

LUMINAIRE PHOTOMETRIC TEST REPORT

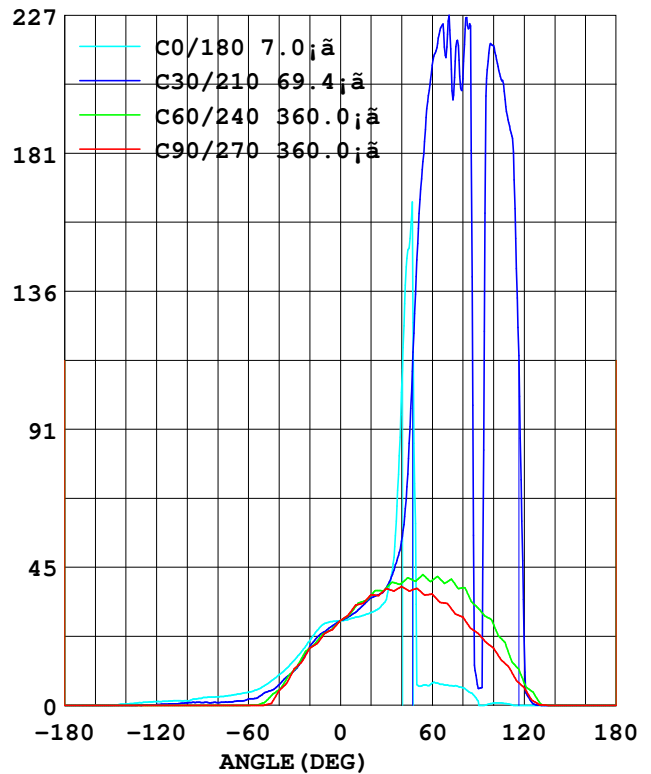
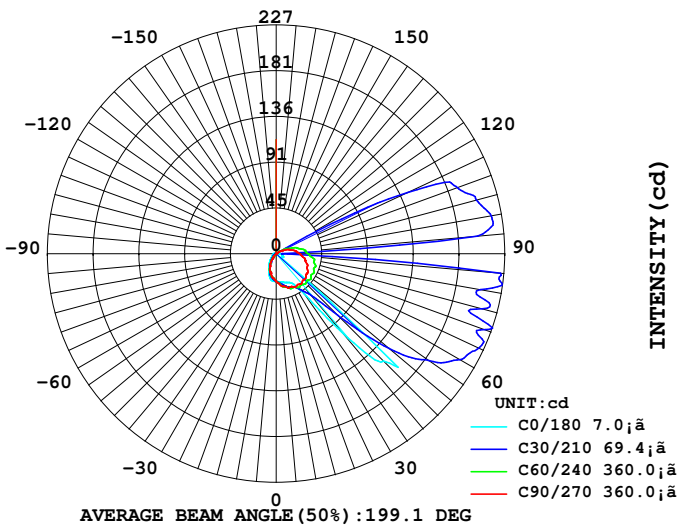
Report number: GO2018-311

MANUFACTURER: IDEAL LUX SRL	Address: Via taglio Destro 32 - Mirano (VE)		
NAME: 187303 TITANO PT1 BIG	TYPE: PORTABLE	WEIGHT:	
SPECIFICATION:	DIMENSION: 180x180x720	SERIAL No.:	

DATA OF LAMP		Imax (cd)	235.8	S/MH (C0/180)	0.90
MODEL	187303 TITANO	EFFICIENCY (%)	100.0	S/MH (C90/270)	0.79
NOMINAL POWER (W)	9	TOTAL FLUX (lm)	296.33	Voltage (V)	229.0
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	33.4	Current (A)	0.074
NOMINAL FLUX (lm)	296.3	η up (%)	19.2	Power (W)	8.860
LAMPS QUANTITY	1	η down (%)	80.8	Power Factor (PF)	0.516
TEST VOLTAGE (V)	229.0	Effective Flux (lm)	263.3	EEL	0.359

LUMINOUS INTENSITY DISTRIBUTION

LUMINOUS INTENSITY DISTRIBUTION



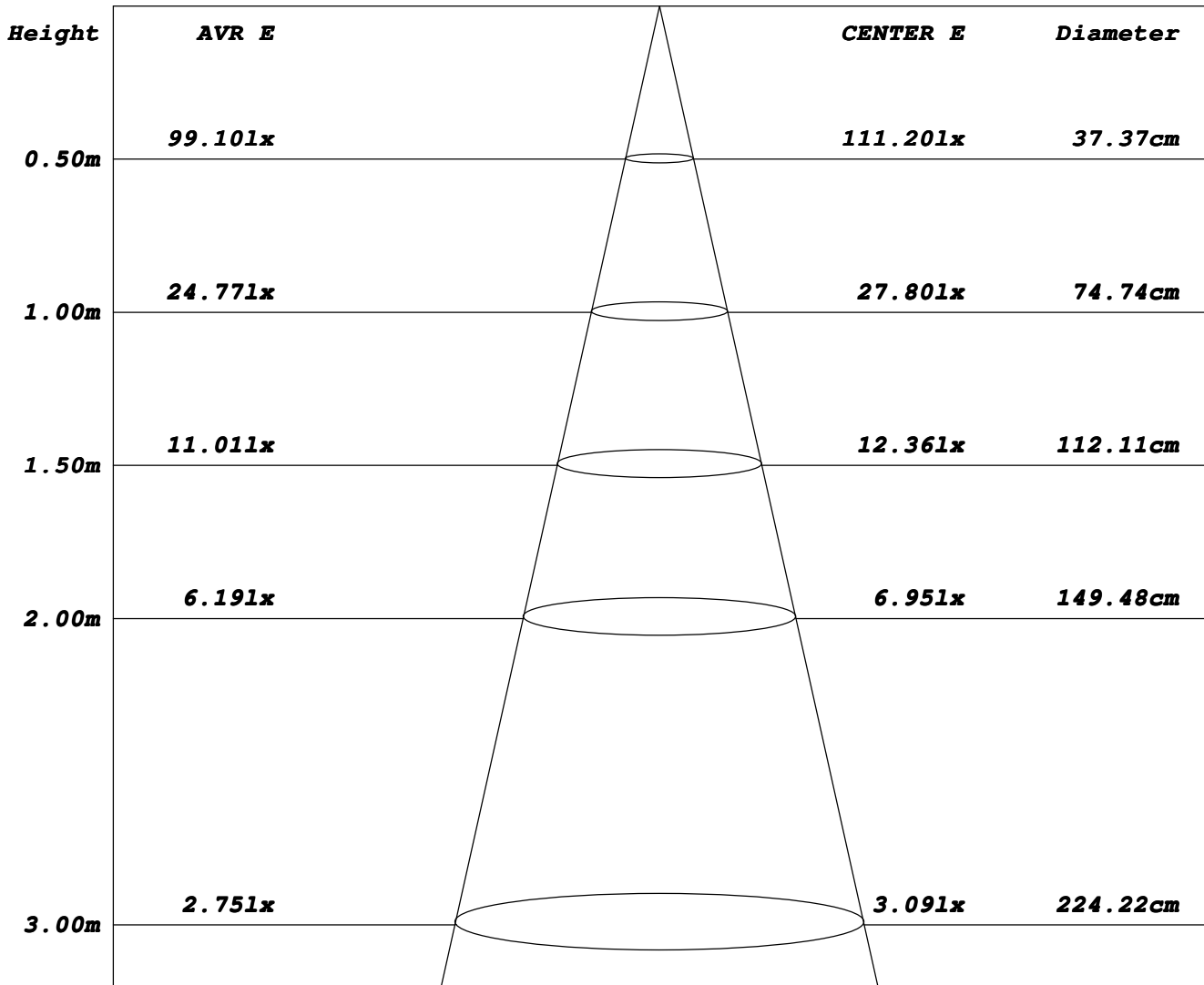
Test System: LSG-1800
 Temperature: 25.3 DEG
 Operators: A
 Test Date: 12-05-2018

Test Set: 5.0 deg/s B-Beta (TYPE B)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks:

AVERAGE AND CENTER E Figure

Report number: GO2018-311

MANUFACTURER: IDEAL LUX SRL	Address: Via taglio Destro 32 - Mirano (VE)	
NAME: 187303 TITANO PT1 BIG	TYPE: PORTABLE	WEIGHT:
SPECIFICATION:	DIMENSION: 180x180x720	SERIAL No.:



Angle: 41.0deg

Test System: LSG-1800
 Temperature: 25.3DEG
 Operators: A
 Test Date: 12-05-2018

Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks:

ZONAL FLUX DIAGRAM

Report number: GO2018-311

MANUFACTURER: IDEAL LUX SRL	Address: Via taglio Destro 32 - Mirano (VE)	
NAME: 187303 TITANO PT1 BIG	TYPE: PORTABLE	WEIGHT:
SPECIFICATION:	DIMENSION: 180x180x720	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	27.50	25.57	24.90	25.90	28.09	29.18	29.49	28.83	0- 5	0.658	0.658
10.0	26.90	23.94	23.70	25.20	28.90	31.73	32.90	30.38	5- 10	1.977	2.635
15.0	24.60	22.24	20.29	24.51	29.49	34.28	33.50	31.66	10- 15	3.283	5.918
20.0	21.19	18.37	18.70	22.49	30.40	35.05	36.29	30.52	15- 20	4.452	10.37
25.0	17.80	15.18	14.30	21.76	31.70	37.57	36.00	30.37	20- 25	5.501	15.87
30.0	14.80	11.51	12.00	19.82	34.70	39.07	38.29	29.02	25- 30	6.375	22.24
35.0	12.10	8.205	7.200	17.36	48.59	40.37	37.50	27.40	30- 35	7.355	29.60
40.0	10.00	6.165	4.800	16.72	102.6	43.73	39.00	26.76	35- 40	9.046	38.64
45.0	8.000	3.662	0.600	13.71	150.1	45.41	37.50	23.87	40- 45	12.95	51.59
50.0	6.300	2.678	0	16.64	6.800	53.69	38.40	23.10	45- 50	17.28	68.88
55.0	5.000	0.921	0	18.43	6.700	63.53	36.19	19.97	50- 55	20.31	89.20
60.0	4.300	0.603	0	24.79	7.300	90.93	36.50	19.00	55- 60	23.19	112.4
65.0	3.800	0.400	0	1.962	6.900	119.2	33.79	17.06	60- 65	25.20	137.6
70.0	3.400	0.549	0	0.354	6.700	146.3	33.39	14.38	65- 70	25.26	162.8
75.0	3.000	0.516	0	0.061	6.500	165.5	30.00	12.04	70- 75	24.20	187.0
80.0	2.800	0.394	0	0	5.700	169.5	29.00	8.945	75- 80	22.93	210.0
85.0	2.700	0.437	0	0	4.200	161.1	25.29	7.213	80- 85	19.70	229.7
90.0	2.500	0.400	0	0	1.400	142.6	23.60	6.200	85- 90	9.638	239.3
95.0	2.100	0.505	0	0	0.100	153.7	20.70	4.915	90- 95	6.557	245.9
100.0	1.500	0.320	0	0	0.700	149.7	18.79	3.874	95-100	14.67	260.5
105.0	1.500	0.108	0	0	0.800	138.5	14.90	3.382	100-105	13.27	273.8
110.0	1.400	0.035	0	0	0.500	111.0	12.60	2.275	105-110	10.13	284.0
115.0	1.300	0	0	0	0	79.72	8.100	1.515	110-115	6.845	290.8
120.0	1.200	0	0	0	0	50.87	5.800	0.955	115-120	3.798	294.6
125.0	1.100	0	0	0	0	14.24	1.700	0.377	120-125	1.323	295.9
130.0	0.800	0	0	0	0	0.821	0.200	0.280	125-130	0.284	296.2
135.0	0.600	0	0	0	0	0.016	0	0.011	130-135	0.056	296.3
140.0	0.400	0	0	0	0	0	0	0	135-140	0.020	296.3
145.0	0.200	0	0	0	0	0	0	0	140-145	0.010	296.3
150.0	0	0	0	0	0	0	0	0	145-150	0.002	296.3
155.0	0	0	0	0	0	0	0	0	150-155	0	296.3
160.0	0	0	0	0	0	0	0	0	155-160	0	296.3
165.0	0	0	0	0	0	0	0	0	160-165	0	296.3
170.0	0	0	0	0	0	0	0	0	165-170	0	296.3
175.0	0	0	0	0	0	0	0	0	170-175	0	296.3
180.0	0	0	0	0	0	0	0	0	175-180	0	296.3
DEG	LUMINOUS INTENSITY: cd									UNIT: lm	

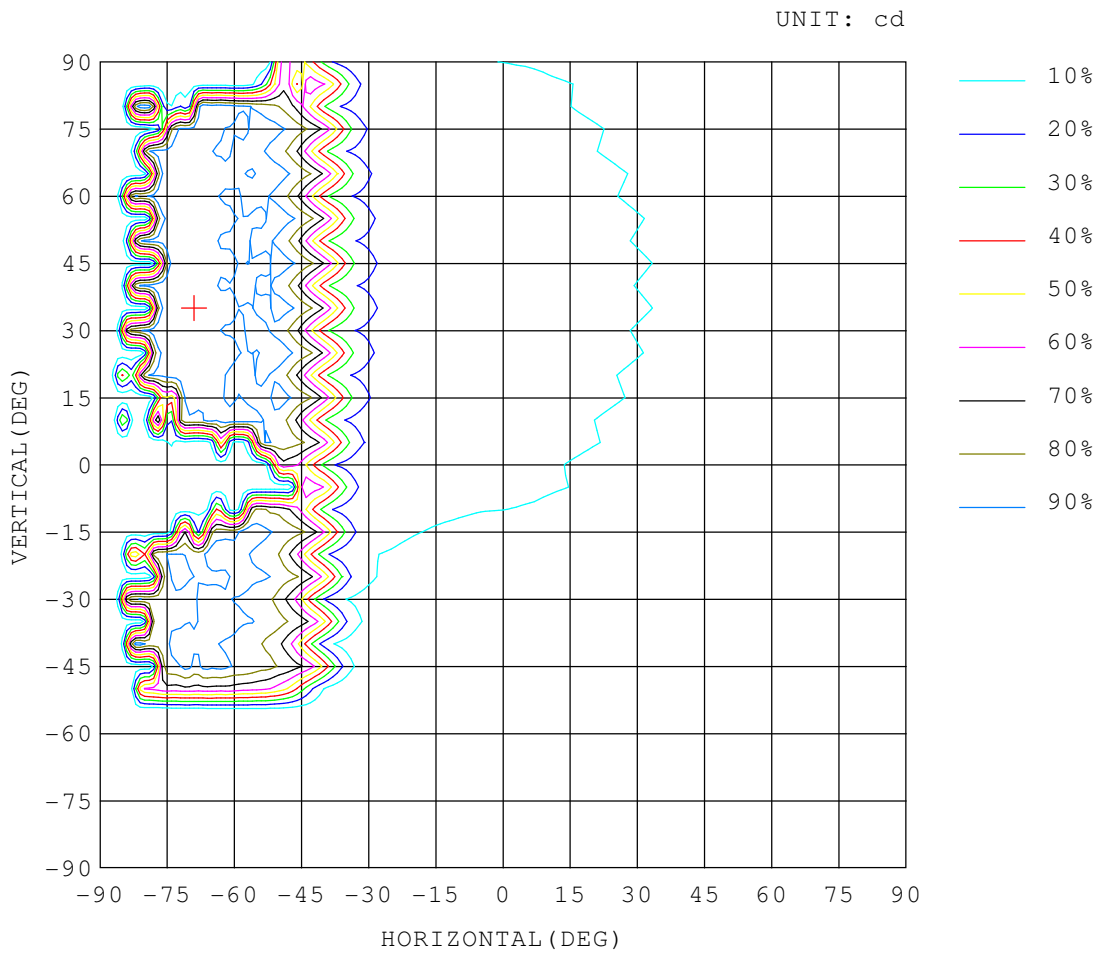
Test System: LSG-1800
 Temperature: 25.3 DEG
 Operators: A
 Test Date: 12-05-2018

Test Set: 5.0 deg/s B-Beta (TYPE B)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number: GO2018-311

MANUFACTURER: IDEAL LUX SRL	Address: Via taglio Destro 32 - Mirano (VE)	
NAME: 187303 TITANO PT1 BIG	TYPE: PORTABLE	WEIGHT:
SPECIFICATION:	DIMENSION: 180x180x720	SERIAL No.:



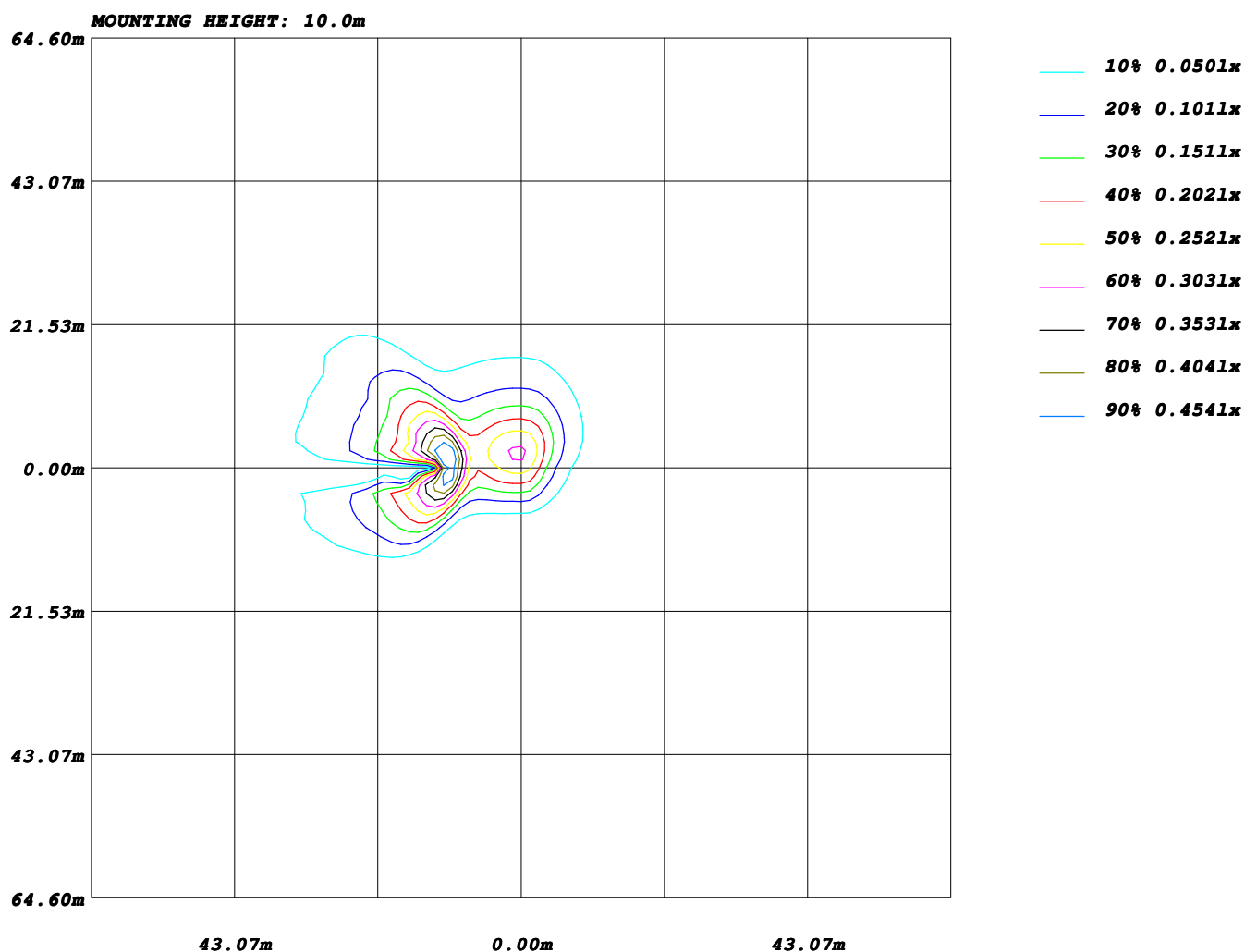
Test System: LSG-1800
 Temperature: 25.3 DEG
 Operators: A
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ISOLUX DIAGRAM

Report number: GO2018-311

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NAME: 187303 TITANO PT1 BIG	TYPE: PORTABLE	WEIGHT:
SPECIFICATION:	DIMENSION: 180x180x720	SERIAL No.:



Test System: LSG-1800
 Temperature: 25.3DEG
 Operators: A
 Test Date: 12-05-2018

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 Remarks:

AREA LUMINOUS FLUX

Report number: GO2018-311

MANUFACTURER: IDEAL LUX SRL	Address: Via taglio Destro 32 - Mirano (VE)	
NAME: 187303 TITANO PT1 BIG	TYPE: PORTABLE	WEIGHT:
SPECIFICATION:	DIMENSION: 180x180x720	SERIAL No.:

		AREA FLUX DIAGRAM																	UNIT: lm	Φ t	Φ a
VERTICAL (DEG)	90	0.01	0.05	0.13	0.77	2.81	1.53	0.86	0.82	0.79	0.76	0.65	0.44	0.26	0.15	0.08	0.04	0.02	0.01	10.1	8.48
	80	0.26	1.14	3.40	4.41	3.83	1.74	1.01	0.97	0.95	0.91	0.79	0.56	0.35	0.20	0.10	0.05	0.03	0.01	20.7	19.4
	70	0.11	1.72	2.85	3.80	3.70	1.80	1.10	1.07	1.06	1.02	0.90	0.67	0.44	0.26	0.13	0.06	0.03	0.01	20.7	19.5
	60	0.29	1.64	2.80	3.70	3.76	1.85	1.16	1.14	1.13	1.10	0.98	0.74	0.51	0.30	0.16	0.08	0.03	0.01	21.4	20.2
	50	0.23	1.54	2.80	3.68	3.76	1.86	1.19	1.18	1.17	1.14	1.03	0.78	0.53	0.32	0.17	0.08	0.03	0.01	21.5	20.4
	40	0.26	1.71	2.83	3.66	3.73	1.85	1.19	1.17	1.17	1.14	1.03	0.80	0.52	0.32	0.17	0.08	0.03	0.01	21.7	20.6
	30	0.31	1.72	2.83	3.78	3.72	1.81	1.15	1.13	1.13	1.10	0.98	0.73	0.49	0.30	0.16	0.08	0.03	0.01	21.4	20.3
	20	0.20	1.25	2.72	3.61	3.67	1.74	1.08	1.06	1.05	1.02	0.90	0.66	0.43	0.26	0.14	0.07	0.03	0.01	19.9	18.6
	10	0.06	0.59	1.54	2.95	3.46	1.62	0.98	0.95	0.93	0.90	0.77	0.55	0.34	0.20	0.10	0.05	0.03	0.01	16.0	14.6
	0	0.01	0.04	0.06	0.17	2.14	1.43	0.82	0.80	0.78	0.75	0.64	0.43	0.26	0.14	0.07	0.04	0.02	0.01	8.62	6.82
	-10	0.02	0.42	1.70	4.12	3.82	1.38	0.73	0.67	0.65	0.62	0.52	0.34	0.21	0.12	0.07	0.04	0.02	0.01	15.4	12.3
	-20	0.16	1.68	2.93	3.67	3.20	1.19	0.55	0.49	0.46	0.45	0.36	0.24	0.15	0.09	0.06	0.04	0.02	0.01	15.7	12.7
	-30	0.32	1.64	2.86	3.49	3.00	0.98	0.34	0.27	0.24	0.23	0.19	0.12	0.08	0.05	0.04	0.03	0.02	0.01	13.9	12.1
	-40	0.28	1.49	2.72	3.37	2.80	0.78	0.13	0.07	0.05	0.06	0.04	0.03	0.03	0.03	0.03	0.03	0.02	0.01	11.9	11.3
	-50	0.11	0.60	0.83	1.03	0.46	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.02	0.02	0.02	0.01	0.01	3.15	3.01
	-60	0.00	0.01	0.04	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.01	0.00	0.19	0.00
	-70	0.00	0.02	0.04	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.16	0.00
	-80	0.01	0.03	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.12	0.00
-90																					
		-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	2.63	17.3	33.1	46.3	47.9	21.6	12.3	11.8	11.5	11.2	9.79	7.09	4.62	2.77	1.54	0.85	0.41	0.12	296		
Φ a	2.53	17.1	32.8	46.1	47.8	20.7	11.3	10.6	10.2	9.64	7.73	3.68	0.60	0.00	0.00	0.00	0.00	0.00		263	

Test System: LSG-1800
 Temperature: 25.3 DEG
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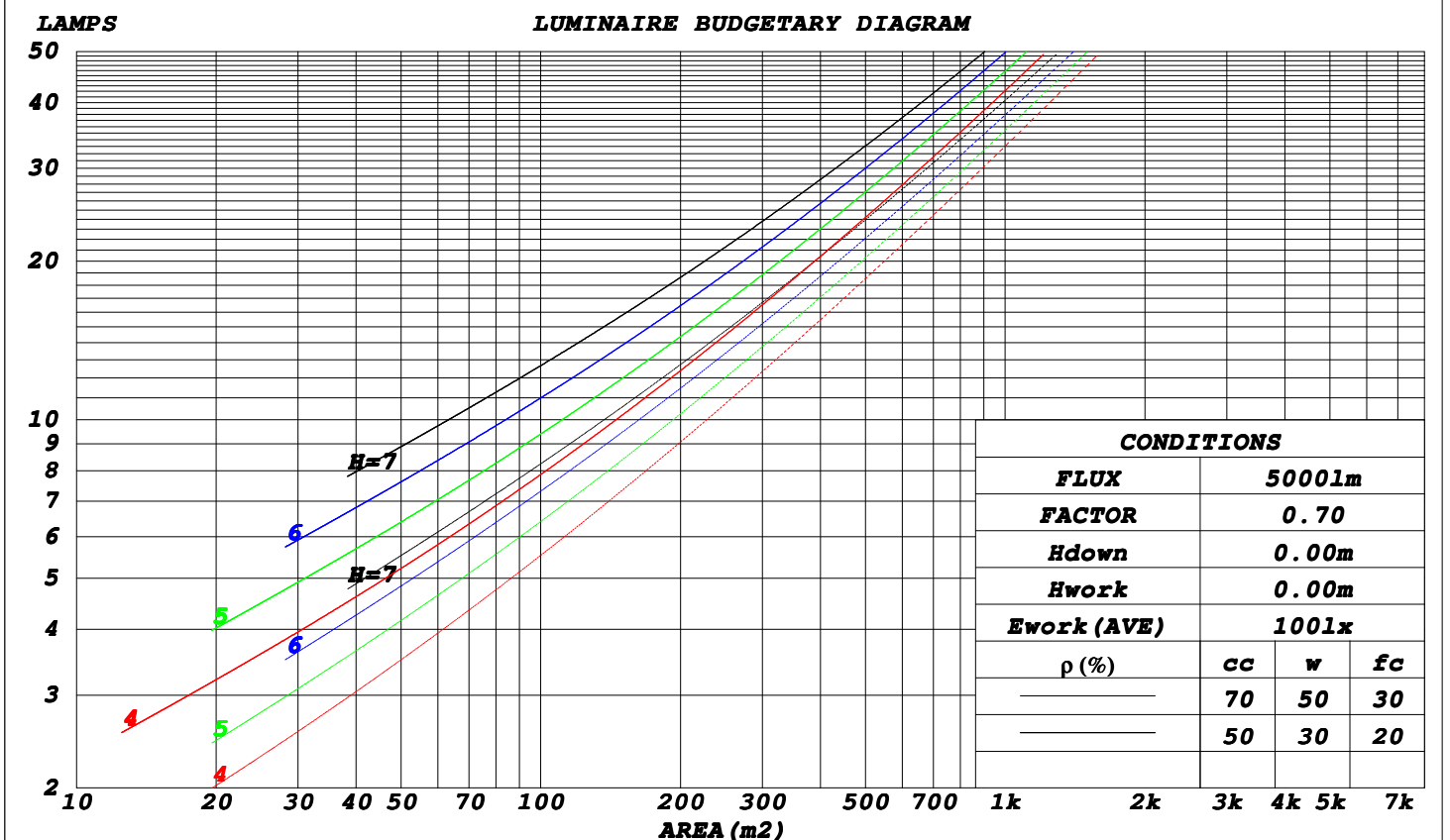
Test Set: 5.0 deg/s B-Beta (TYPE B)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number: GO2018-311

MANUFACTURER: IDEAL LUX SRL				Address: Via taglio Destro 32 - Mirano (VE)											
NAME: 187303 TITANO PT1 BIG				TYPE: PORTABLE						WEIGHT:					
SPECIFICATION:				DIMENSION: 180x180x720						SERIAL No.:					

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR: Room Cavity Ratio						Coefficients of Utilization (CU)									
0.0	1.14	1.14	1.14	1.10	1.10	1.10	1.00	1.00	1.00	.92	.92	.92	.84	.84	.84	.81
1.0	.91	.85	.79	.87	.81	.76	.79	.74	.70	.72	.68	.64	.65	.62	.59	.55
2.0	.75	.66	.58	.71	.63	.56	.65	.58	.52	.58	.52	.47	.52	.48	.44	.40
3.0	.63	.53	.44	.60	.50	.43	.54	.46	.39	.49	.42	.36	.43	.38	.33	.30
4.0	.54	.43	.35	.52	.42	.34	.46	.38	.31	.42	.34	.29	.37	.31	.26	.23
5.0	.47	.37	.29	.45	.35	.28	.40	.32	.25	.36	.29	.23	.32	.26	.21	.18
6.0	.42	.31	.24	.40	.30	.23	.36	.27	.21	.32	.25	.19	.29	.23	.18	.15
7.0	.37	.27	.20	.35	.26	.19	.32	.24	.18	.29	.22	.16	.26	.20	.15	.12
8.0	.33	.24	.17	.32	.23	.17	.29	.21	.15	.26	.19	.14	.23	.17	.13	.11
9.0	.30	.21	.15	.29	.20	.15	.26	.19	.13	.24	.17	.12	.21	.16	.11	.09
10.0	.28	.19	.13	.26	.18	.13	.24	.17	.12	.22	.15	.11	.20	.14	.10	.08



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WEC AND CCEC

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ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR: Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.464	.264	.084	.450	.257	.082	.425	.244	.078	.402	.232	.074	.381	.221	.071	
2.0	.394	.216	.066	.382	.210	.065	.359	.200	.062	.338	.190	.059	.319	.180	.057	
3.0	.343	.183	.055	.332	.178	.054	.312	.169	.051	.293	.160	.049	.275	.152	.047	
4.0	.304	.158	.046	.294	.154	.045	.275	.146	.044	.258	.138	.042	.242	.131	.040	
5.0	.272	.139	.040	.263	.135	.039	.246	.128	.038	.230	.121	.036	.215	.115	.035	
6.0	.246	.123	.035	.238	.120	.035	.223	.114	.033	.208	.108	.032	.194	.102	.030	
7.0	.225	.111	.031	.217	.108	.031	.203	.103	.030	.190	.097	.028	.177	.092	.027	
8.0	.206	.101	.028	.200	.098	.028	.187	.093	.027	.174	.088	.025	.163	.084	.024	
9.0	.191	.092	.026	.185	.090	.025	.173	.085	.024	.161	.081	.023	.151	.077	.022	
10.0	.177	.085	.024	.172	.083	.023	.161	.079	.022	.150	.075	.021	.140	.071	.020	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR: Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.337	.337	.337	.288	.288	.288	.197	.197	.197	.113	.113	.113	.036	.036	.036	
1.0	.339	.303	.270	.290	.260	.232	.198	.179	.161	.114	.103	.093	.037	.033	.030	
2.0	.335	.280	.234	.287	.241	.203	.196	.167	.141	.113	.097	.083	.036	.031	.027	
3.0	.328	.264	.213	.281	.228	.185	.193	.158	.130	.112	.093	.077	.036	.030	.025	
4.0	.321	.252	.200	.275	.218	.174	.189	.152	.123	.109	.089	.073	.035	.029	.024	
5.0	.312	.243	.192	.268	.210	.167	.185	.147	.118	.107	.086	.070	.035	.028	.023	
6.0	.304	.235	.186	.262	.204	.162	.181	.143	.114	.105	.084	.068	.034	.027	.022	
7.0	.297	.229	.181	.255	.198	.158	.176	.139	.112	.102	.082	.067	.033	.027	.022	
8.0	.289	.223	.178	.249	.194	.155	.172	.136	.110	.100	.080	.066	.032	.026	.022	
9.0	.282	.218	.175	.243	.190	.153	.169	.133	.109	.098	.079	.065	.032	.026	.021	
10.0	.276	.214	.173	.238	.186	.151	.165	.131	.107	.096	.077	.064	.031	.025	.021	

Test System: LSG-1800
Temperature: 25.3DEG
Operators: A
Test Date: 12-05-2018

Test Set: 5.0deg/s B-Beta (TYPE B)
Humidity: 65.0%
Test Distance: 10.000 m
Remarks:

Uncorrected UGR Table

Report number: GO2018-311

MANUFACTURER: IDEAL LUX SRL	Address: Via taglio Destro 32 - Mirano (VE)	
NAME: 187303 TITANO PT1 BIG	TYPE: PORTABLE	WEIGHT:
SPECIFICATION:	DIMENSION: 180x180x720	SERIAL No.:

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Room dimensions	Viewed crosswise					Viewed endwise					
x = 2H y = 2H	-6.6	-5.0	-6.0	-4.5	-3.9	-13.0	-11.5	-12.5	-10.9	-10.3	
3H	-4.4	-2.9	-3.8	-2.4	-1.7	-13.3	-11.9	-12.7	-11.3	-10.6	
4H	-2.9	-1.6	-2.4	-1.0	-0.3	-13.5	-12.1	-12.9	-11.5	-10.8	
6H	-1.4	-0.1	-0.8	0.6	1.3	-13.6	-12.3	-13.0	-11.7	-11.0	
8H	-0.4	0.8	0.2	1.5	2.2	-13.7	-12.4	-13.1	-11.8	-11.1	
12H	0.7	1.9	1.3	2.5	3.3	-13.8	-12.6	-13.2	-11.9	-11.2	
4H	2H	-7.0	-5.6	-6.4	-5.0	-4.3	-12.9	-11.5	-12.3	-10.9	-10.2
	3H	-4.6	-3.3	-3.9	-2.7	-2.0	-13.2	-11.9	-12.5	-11.3	-10.6
	4H	-2.9	-1.8	-2.3	-1.2	-0.4	-13.3	-12.2	-12.7	-11.5	-10.8
	6H	-1.1	-0.1	-0.4	0.6	1.4	-13.5	-12.4	-12.8	-11.8	-11.0
	8H	-0.0	0.9	0.7	1.6	2.4	-13.5	-12.6	-12.8	-11.9	-11.1
	12H	1.3	2.2	2.0	2.9	3.7	-13.6	-12.7	-12.9	-12.0	-11.2
8H	4H	-3.1	-2.1	-2.4	-1.4	-0.6	-12.4	-11.4	-11.7	-10.7	-9.9
	6H	-1.1	-0.3	-0.4	0.4	1.3	-12.5	-11.7	-11.8	-11.0	-10.1
	8H	0.1	0.8	0.8	1.6	2.4	-12.5	-11.8	-11.8	-11.1	-10.2
	12H	1.6	2.2	2.3	3.0	3.9	-12.6	-12.0	-11.9	-11.2	-10.3
12H	4H	-3.2	-2.3	-2.5	-1.6	-0.8	-11.7	-10.9	-11.0	-10.2	-9.3
	6H	-1.1	-0.4	-0.4	0.3	1.2	-11.7	-10.9	-10.9	-10.2	-9.3
	8H	0.1	0.7	0.8	1.5	2.4	-11.7	-11.1	-11.0	-10.3	-9.4

Variations with the observer position at spacings:

S = 1.0H	+ 0.1 / - 0.2	+ 1.7 / - 2.7
1.5H	+ 0.2 / - 0.2	+ 2.8 / - 2.4
2.0H	+ 0.7 / - 0.7	+ 1.1 / - 1.5

CIE Pub.117 Corrected 296.2 lm Total Lamp Luminous Flux. (8log(F/F0) = -4.2)

Test System: LSG-1800
 Temperature: 25.3 DEG
 Operators: A
 Test Date: 12-05-2018

Test Set: 5.0 deg/s B-Beta (TYPE B)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks:

UTILIZATION FACTORS TABLE

Report number: GO2018-311

MANUFACTURER: IDEAL LUX SRL	Address: Via taglio Destro 32 - Mirano (VE)	
NAME: 187303 TITANO PT1 BIG	TYPE: PORTABLE	WEIGHT:
SPECIFICATION:	DIMENSION: 180x180x720	SERIAL No.:

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	39	25	17	38	24	16	36	24	16	9
0.80	48	32	23	46	32	23	43	31	22	14
1.00	55	40	30	53	39	30	50	40	29	19
1.25	63	47	37	60	46	36	56	44	35	24
1.50	68	53	43	65	52	42	60	49	40	29
2.00	77	63	53	73	61	52	67	57	49	36
2.50	82	70	60	79	67	58	72	63	55	41
3.00	87	75	66	83	73	64	76	67	60	46
4.00	92	83	75	88	80	72	81	74	68	52
5.00	96	88	81	92	84	78	84	78	73	57
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

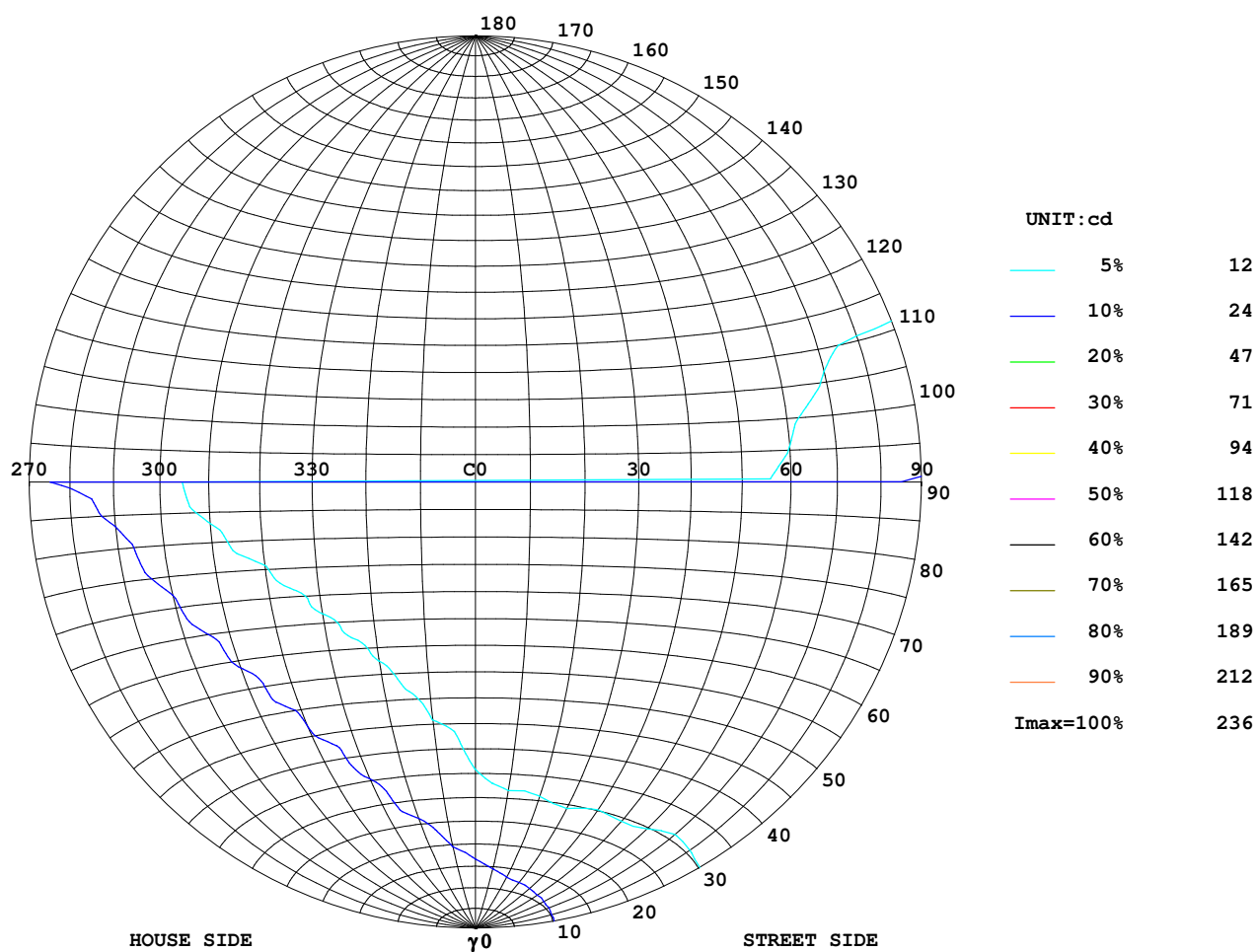
Test System: LSG-1800
 Temperature: 25.3DEG
 Operators: A
 Test Date: 12-05-2018

Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number: GO2018-311

MANUFACTURER: IDEAL LUX SRL	Address: Via taglio Destro 32 - Mirano (VE)	
NAME: 187303 TITANO PT1 BIG	TYPE: PORTABLE	WEIGHT:
SPECIFICATION:	DIMENSION: 180x180x720	SERIAL No.:



Test System: LSG-1800
 Temperature: 25.3 DEG
 Operators: A
 Test Date: 12-05-2018

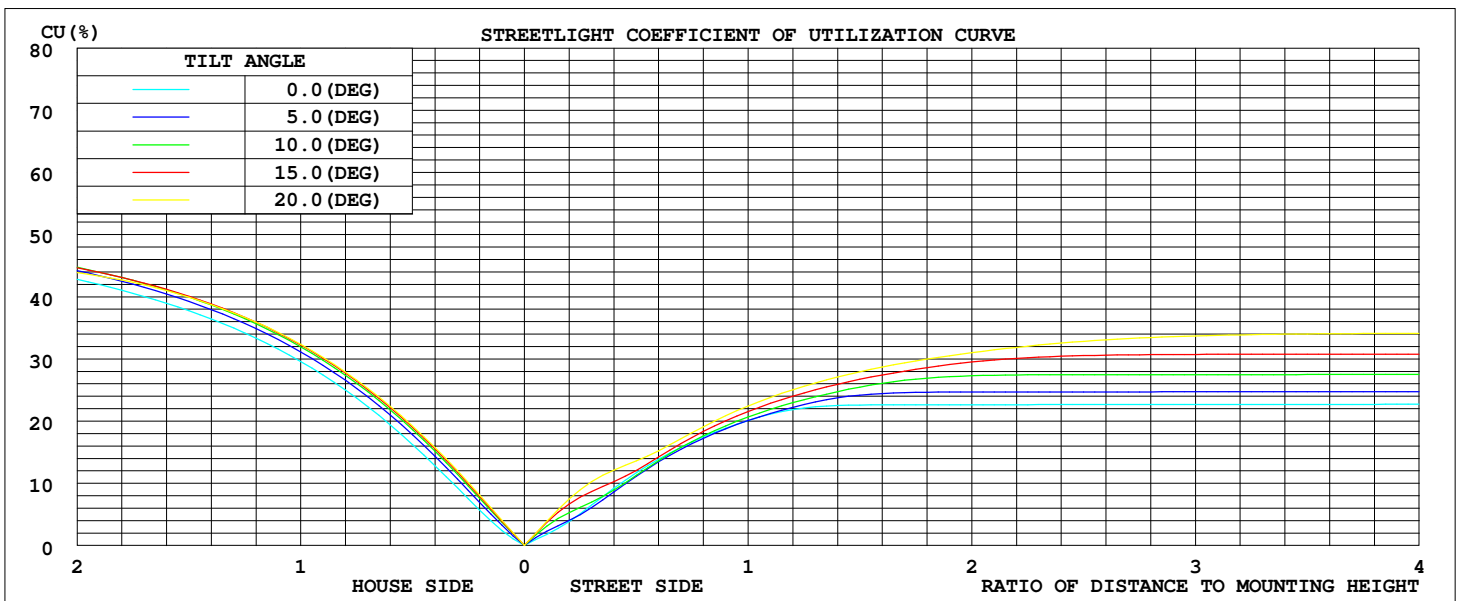
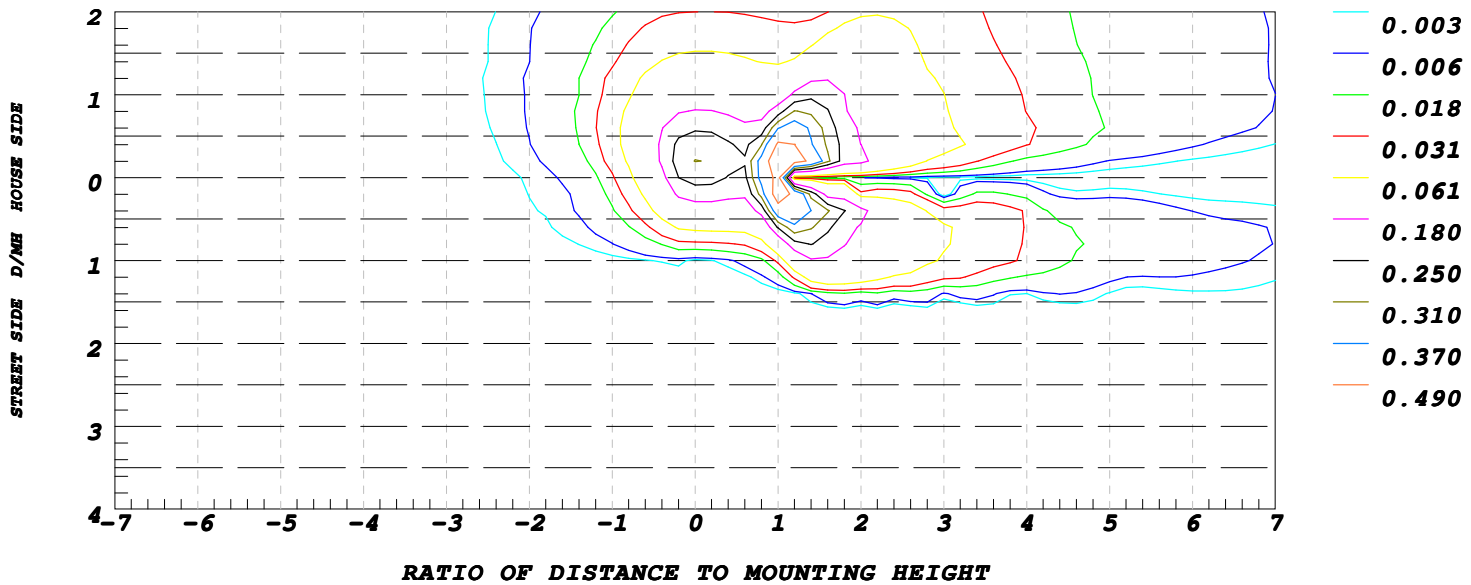
Test Set: 5.0 deg/s B-Beta (TYPE B)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks:

ISOLUX DIAGRAM

Report number: GO2018-311

MANUFACTURER: IDEAL LUX SRL	Address: Via taglio Destro 32 - Mirano (VE)	
NAME: 187303 TITANO PT1 BIG	TYPE: PORTABLE	WEIGHT:
SPECIFICATION:	DIMENSION: 180x180x720	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 0.28 lx



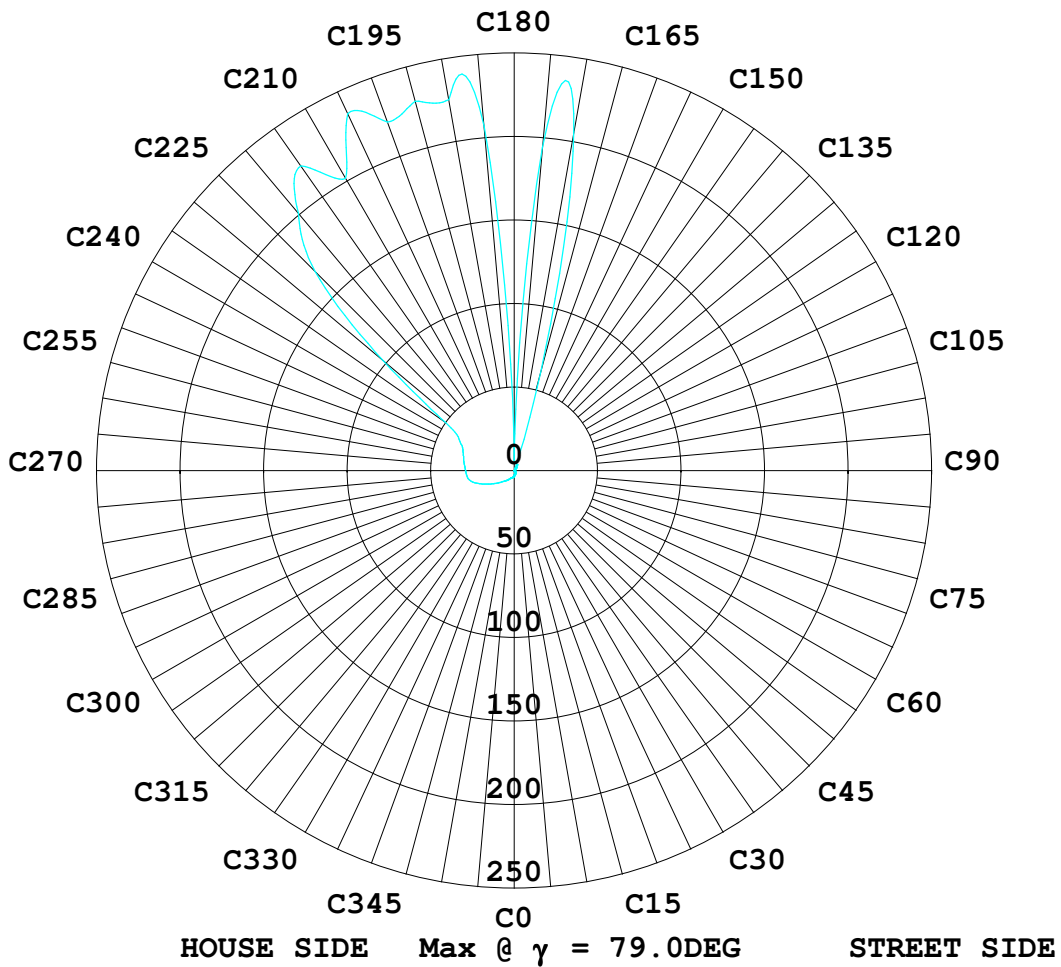
Test System: LSG-1800
 Temperature: 25.3 DEG
 Operators: A
 Test Date: 12-05-2018

Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number: GO2018-311

MANUFACTURER: IDEAL LUX SRL	Address: Via taglio Destro 32 - Mirano (VE)	
NAME: 187303 TITANO PT1 BIG	TYPE: PORTABLE	WEIGHT:
SPECIFICATION:	DIMENSION: 180x180x720	SERIAL No.:



Test System: LSG-1800
 Temperature: 25.3DEG
 Operators: A
 Test Date: 12-05-2018

Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: GO2018-311

MANUFACTURER: IDEAL LUX SRL	Address: Via taglio Destro 32 - Mirano (VE)	
NAME: 187303 TITANO PT1 BIG	TYPE: PORTABLE	WEIGHT:
SPECIFICATION:	DIMENSION: 180x180x720	SERIAL No.:

UNIT: cd

C (DEG) \ γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70
0.0	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
5.0	27.5	27.2	27.0	26.7	26.5	26.3	26.1	25.9	25.7	25.5	25.4	25.3	25.2	25.1	25.0
10.0	26.9	26.3	25.9	25.4	25.0	24.6	24.2	24.1	24.0	23.9	23.8	23.8	23.7	23.7	23.7
15.0	24.6	23.8	23.2	22.6	22.3	22.2	22.3	22.4	22.4	22.2	21.8	21.4	21.1	20.8	20.6
20.0	21.1	20.2	19.4	18.8	18.8	19.0	19.1	18.7	18.5	18.3	18.3	18.6	18.7	18.7	18.7
25.0	17.8	16.6	15.6	15.4	15.6	15.3	14.8	14.3	14.7	15.1	15.6	15.7	15.6	15.4	15.1
30.0	14.8	13.4	12.5	12.6	12.3	11.6	11.4	11.7	11.9	11.5	11.2	11.2	11.6	12.0	12.2
35.0	12.1	10.6	10.1	10.2	9.29	9.03	9.27	8.85	8.30	8.20	8.45	8.76	8.62	8.57	8.38
40.0	10.0	8.48	8.34	7.83	7.21	7.43	6.77	6.16	6.28	6.16	5.67	5.18	5.12	5.19	5.29
45.0	8.00	6.47	6.75	5.82	5.99	5.43	4.92	5.03	4.32	3.66	3.65	3.55	3.15	2.70	2.27
50.0	6.30	5.01	5.06	4.81	4.72	4.09	3.90	3.02	2.76	2.67	1.99	1.22	0.83	0.56	0.38
55.0	5.00	4.11	3.69	3.98	3.23	3.14	2.27	2.32	1.68	0.92	0.63	0.19	0.01	0.00	0.00
60.0	4.30	3.72	3.37	2.94	2.94	2.20	2.03	1.23	0.96	0.60	0.17	0.01	0.00	0.00	0.00
65.0	3.80	3.48	3.34	2.96	2.27	2.01	1.40	1.20	0.68	0.40	0.16	0.00	0.00	0.00	0.00
70.0	3.40	2.99	2.82	2.50	2.04	1.79	1.19	0.88	0.70	0.55	0.31	0.13	0.00	0.00	0.00
75.0	3.00	2.87	2.66	2.21	1.89	1.30	1.05	0.93	0.71	0.52	0.23	0.06	0.00	0.00	0.00
80.0	2.80	2.57	1.96	1.58	1.40	1.16	0.91	0.74	0.61	0.39	0.19	0.06	0.00	0.00	0.00
85.0	2.70	2.20	1.48	1.30	1.18	1.03	0.80	0.73	0.54	0.44	0.25	0.00	0.00	0.00	0.00
90.0	2.50	1.90	1.30	1.20	1.10	1.00	0.90	0.80	0.60	0.40	0.20	0.00	0.00	0.00	0.00
95.0	2.10	1.49	1.14	1.06	1.10	1.06	0.94	0.82	0.69	0.51	0.25	0.00	0.00	0.00	0.00
100.0	1.50	0.94	0.61	0.72	0.84	0.86	0.81	0.75	0.50	0.32	0.11	0.00	0.00	0.00	0.00
105.0	1.50	0.93	0.76	0.67	0.64	0.60	0.56	0.53	0.37	0.11	0.01	0.00	0.00	0.00	0.00
110.0	1.40	1.04	0.79	0.69	0.56	0.51	0.48	0.35	0.21	0.04	0.00	0.00	0.00	0.00	0.00
115.0	1.30	1.08	0.70	0.62	0.57	0.41	0.39	0.23	0.18	0.00	0.00	0.00	0.00	0.00	0.00
120.0	1.20	1.11	0.80	0.54	0.41	0.35	0.22	0.19	0.02	0.00	0.00	0.00	0.00	0.00	0.00
125.0	1.10	1.01	0.82	0.50	0.41	0.22	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0	0.80	0.84	0.56	0.37	0.15	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.60	0.58	0.32	0.21	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.40	0.32	0.19	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.20	0.20	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Test System: LSG-1800
Temperature: 25.3 DEG
Operators: A
Test Date: 12-05-2018

Test Set: 5.0 deg/s B-Beta (TYPE B)
Humidity: 65.0%
Test Distance: 10.000 m
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: GO2018-311

MANUFACTURER: IDEAL LUX SRL	Address: Via taglio Destro 32 - Mirano (VE)	
NAME: 187303 TITANO PT1 BIG	TYPE: PORTABLE	WEIGHT:
SPECIFICATION:	DIMENSION: 180x180x720	SERIAL No.:

UNIT: cd

C (DEG) \ γ (DEG)	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145
0.0	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
5.0	24.9	24.8	24.8	24.9	24.9	24.9	25.0	25.1	25.2	25.3	25.5	25.6	25.9	26.1	26.3
10.0	23.6	23.6	23.7	23.7	23.7	23.8	23.9	24.0	24.2	24.4	24.6	24.9	25.2	25.4	25.6
15.0	20.3	20.2	20.3	20.2	20.3	20.6	20.9	21.3	21.8	22.4	23.1	23.7	24.5	25.2	25.5
20.0	18.6	18.6	18.6	18.7	18.7	18.9	19.3	19.7	20.1	20.6	21.1	21.6	22.4	23.6	24.7
25.0	14.8	14.4	14.3	14.3	14.3	14.7	15.4	16.2	17.1	18.3	19.7	21.0	21.7	22.5	23.3
30.0	12.2	12.1	12.0	12.0	12.0	12.3	12.9	13.5	14.2	15.0	15.9	17.6	19.8	22.2	23.6
35.0	8.12	7.68	7.39	7.20	7.30	7.78	8.54	9.65	11.0	12.6	14.5	15.9	17.3	19.6	23.5
40.0	5.31	5.10	4.85	4.80	4.77	5.24	5.86	6.59	7.47	8.54	10.2	13.1	16.7	20.0	24.2
45.0	1.82	1.43	0.84	0.60	0.59	1.09	1.89	2.93	4.42	6.42	8.56	10.7	13.7	21.2	34.7
50.0	0.90	0.62	0.02	0.00	0.01	0.07	0.20	0.58	1.40	2.49	4.76	8.99	16.6	29.4	59.4
55.0	0.06	0.10	0.00	0.00	0.00	0.00	0.00	0.09	0.47	1.38	3.31	7.38	18.4	52.3	108
60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	4.10	24.7	78.0	143
65.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	1.96	24.2	113
70.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	2.10	5.17
75.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	1.35	2.47
80.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	1.98
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.68
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Test System: LSG-1800
Temperature: 25.3 DEG
Operators: A
Test Date: 12-05-2018

Test Set: 5.0 deg/s B-Beta (TYPE B)
Humidity: 65.0%
Test Distance: 10.000 m
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: GO2018-311

MANUFACTURER: IDEAL LUX SRL	Address: Via taglio Destro 32 - Mirano (VE)	
NAME: 187303 TITANO PT1 BIG	TYPE: PORTABLE	WEIGHT:
SPECIFICATION:	DIMENSION: 180x180x720	SERIAL No.:

UNIT: cd

C (DEG) \ γ (DEG)	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220
0.0	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
5.0	26.5	26.8	27.0	27.3	27.6	27.8	28.0	28.2	28.4	28.5	28.6	28.7	28.9	28.9	29.0
10.0	25.8	26.3	26.8	27.3	27.8	28.3	28.9	29.2	29.5	29.7	30.0	30.2	30.4	30.9	31.3
15.0	25.9	26.2	26.5	27.2	28.0	28.7	29.4	29.9	30.4	30.8	31.3	32.1	32.8	33.5	34.1
20.0	26.0	26.6	27.0	27.4	28.3	29.4	30.4	31.0	31.6	32.3	33.4	34.5	35.2	35.1	35.0
25.0	24.9	26.6	27.8	28.4	29.1	30.4	31.7	32.5	33.3	34.7	36.0	36.5	36.3	36.1	36.9
30.0	24.8	26.7	29.4	31.0	31.5	32.9	34.7	36.1	37.4	39.1	39.5	38.6	38.5	39.3	39.8
35.0	27.6	30.6	35.0	40.3	42.7	45.4	48.5	49.6	50.5	50.8	47.0	44.9	44.4	42.5	40.6
40.0	32.3	45.1	57.7	75.0	88.7	95.4	103	103	101	90.5	75.4	65.0	53.8	47.3	45.2
45.0	54.6	87.4	122	144	161	151	150	171	177	159	144	116	86.0	65.7	51.7
50.0	109	148	175	192	185	55.8	6.80	199	206	204	194	174	146	102	69.1
55.0	152	183	194	206	197	38.9	6.70	218	227	216	214	205	185	157	105
60.0	178	191	206	217	226	54.3	7.30	176	206	210	214	219	210	187	148
65.0	170	197	211	222	222	39.0	6.90	206	217	216	209	202	221	209	177
70.0	37.5	165	212	228	205	79.9	6.70	200	223	223	212	208	220	215	195
75.0	3.83	5.68	98.8	221	206	195	6.50	214	231	229	217	212	211	220	200
80.0	2.70	3.26	3.86	4.14	207	200	5.70	212	225	229	223	228	206	222	201
85.0	1.90	2.82	3.04	2.94	0.11	6.27	4.20	9.03	213	221	197	222	223	185	152
90.0	0.00	0.90	2.10	3.20	3.50	2.89	1.40	1.80	3.40	4.80	5.20	5.10	5.50	5.10	4.00
95.0	0.00	0.00	0.01	0.05	0.00	0.00	0.10	3.57	58.6	105	66.9	79.9	200	156	131
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.00	206	203	223	219	216	202	181
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.33	1.06	163	217	211	205	189	174
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.75	0.93	2.53	106	192	191	179	160
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	0.73	1.48	3.43	59.5	143	168	133
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.45	0.81	1.34	2.50	22.5	83.9	87.7
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.34	0.63	0.97	2.54	18.4
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.58
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Test System: LSG-1800
Temperature: 25.3DEG
Operators: A
Test Date: 12-05-2018

Test Set: 5.0deg/s B-Beta (TYPE B)
Humidity: 65.0%
Test Distance: 10.000 m
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: GO2018-311

MANUFACTURER: IDEAL LUX SRL	Address: Via taglio Destro 32 - Mirano (VE)	
NAME: 187303 TITANO PT1 BIG	TYPE: PORTABLE	WEIGHT:
SPECIFICATION:	DIMENSION: 180x180x720	SERIAL No.:

UNIT: cd

C (DEG) \ γ (DEG)	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295
0.0	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
5.0	29.1	29.2	29.3	29.3	29.3	29.3	29.4	29.4	29.4	29.4	29.4	29.3	29.3	29.2	29.2
10.0	31.7	32.0	32.2	32.4	32.5	32.6	32.7	32.7	32.8	32.9	32.7	32.6	32.5	32.2	31.9
15.0	34.2	34.2	34.1	34.1	33.9	33.8	33.7	33.6	33.5	33.5	33.4	33.3	33.1	32.9	32.8
20.0	35.0	35.3	35.7	36.1	36.3	36.4	36.4	36.4	36.3	36.2	36.1	35.9	35.6	35.1	34.5
25.0	37.5	38.1	38.0	37.6	37.3	37.1	36.7	36.4	36.1	36.0	35.9	35.7	35.6	35.3	34.9
30.0	39.0	38.4	38.1	38.4	38.7	38.8	38.8	38.6	38.4	38.2	38.1	37.8	37.3	36.5	35.4
35.0	40.3	40.6	40.9	40.2	39.5	39.0	38.5	38.1	37.6	37.5	37.3	37.1	36.9	36.5	35.5
40.0	43.7	41.7	40.4	40.0	39.9	39.9	39.8	39.5	39.1	39.0	38.7	38.4	38.0	36.9	35.2
45.0	45.4	43.6	42.7	41.6	40.5	39.7	38.9	38.3	37.7	37.5	37.2	37.1	36.8	36.0	34.2
50.0	53.6	45.7	42.3	41.0	40.6	40.1	39.6	39.2	38.6	38.4	38.0	37.6	36.8	35.0	32.5
55.0	63.5	49.2	44.8	42.3	40.6	39.1	38.1	37.3	36.5	36.1	36.0	35.5	34.8	33.0	30.7
60.0	90.9	54.9	44.1	41.0	39.6	38.8	38.2	37.6	36.9	36.5	36.1	35.4	34.1	31.7	28.7
65.0	119	66.1	47.8	41.5	38.7	37.0	35.9	35.0	34.2	33.7	33.5	32.9	31.6	29.2	26.4
70.0	146	77.2	47.8	40.5	37.7	36.5	35.5	34.7	33.9	33.3	33.0	32.2	30.6	27.6	24.2
75.0	166	95.9	50.5	39.6	35.5	33.6	32.4	31.5	30.5	30.0	29.6	29.0	27.3	24.3	21.1
80.0	170	105	51.1	38.5	34.3	32.5	31.3	30.4	29.5	29.0	28.5	27.8	25.9	22.5	19.0
85.0	161	107	48.4	34.6	30.4	28.7	27.5	26.6	25.8	25.2	25.0	24.4	22.3	19.0	15.7
90.0	143	102	45.5	31.9	28.2	26.6	25.5	24.7	24.0	23.6	23.2	22.7	20.8	17.6	14.4
95.0	154	97.2	42.1	29.1	25.2	23.6	22.6	21.8	21.0	20.7	20.3	19.8	17.8	14.8	11.9
100.0	150	86.3	37.9	26.5	22.9	21.4	20.5	19.9	19.1	18.7	18.4	17.8	15.8	13.0	10.4
105.0	139	72.2	31.4	21.9	18.7	17.2	16.4	15.8	15.1	14.9	14.6	14.1	12.4	10.0	8.08
110.0	111	49.0	22.8	17.0	15.1	14.3	13.7	13.4	12.8	12.6	12.3	11.7	10.2	8.17	6.30
115.0	79.7	33.4	17.5	12.6	10.6	9.72	9.12	8.75	8.21	8.10	7.96	7.63	6.67	5.33	4.18
120.0	50.8	18.7	9.43	7.45	6.81	6.54	6.40	6.22	5.85	5.80	5.59	5.21	4.51	3.45	2.50
125.0	14.2	8.79	6.43	4.61	3.37	2.61	2.28	2.00	1.67	1.70	1.67	1.67	1.45	1.16	0.87
130.0	0.82	1.56	1.22	0.98	1.04	1.04	0.84	0.61	0.20	0.20	0.20	0.24	0.32	0.27	0.22
135.0	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Test System: LSG-1800
Temperature: 25.3DEG
Operators: A
Test Date: 12-05-2018

Test Set: 5.0deg/s B-Beta (TYPE B)
Humidity: 65.0%
Test Distance: 10.000 m
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: GO2018-311

MANUFACTURER: IDEAL LUX SRL	Address: Via taglio Destro 32 - Mirano (VE)	
NAME: 187303 TITANO PT1 BIG	TYPE: PORTABLE	WEIGHT:
SPECIFICATION:	DIMENSION: 180x180x720	SERIAL No.:

UNIT: cd

C (DEG) \ γ (DEG)	300	305	310	315	320	325	330	335	340	345	350	355
0.0	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
5.0	29.1	29.0	28.9	28.8	28.7	28.5	28.4	28.2	28.1	27.9	27.8	27.6
10.0	31.6	31.2	30.8	30.3	29.8	29.2	28.6	28.3	28.0	27.7	27.4	27.1
15.0	32.6	32.4	32.0	31.6	31.0	30.0	28.9	27.8	26.7	26.0	25.4	25.0
20.0	33.8	32.8	31.5	30.5	29.6	28.7	27.9	26.5	24.9	23.3	22.4	21.7
25.0	34.3	33.4	32.3	30.3	28.3	26.4	25.2	24.2	22.9	20.9	19.2	18.4
30.0	33.9	31.9	30.3	29.0	27.7	25.5	23.1	21.4	20.4	18.8	16.7	15.5
35.0	34.4	32.7	30.1	27.4	25.1	23.7	22.1	19.6	17.8	16.8	14.6	12.9
40.0	34.0	31.7	28.5	26.7	24.1	21.4	19.8	18.4	15.8	14.4	12.8	10.8
45.0	32.2	29.8	26.7	23.8	22.0	20.5	17.8	16.0	14.6	12.1	11.2	8.78
50.0	29.5	26.8	24.8	23.1	20.1	17.6	16.5	14.2	12.6	10.7	9.27	7.27
55.0	28.3	25.8	22.8	19.9	18.2	16.5	13.9	12.9	10.7	9.86	7.52	6.17
60.0	25.5	22.7	20.6	19.0	16.4	13.8	13.0	10.9	10.1	8.13	6.83	5.63
65.0	23.7	21.4	19.0	17.0	14.0	12.8	10.8	9.72	8.29	7.73	6.50	5.22
70.0	20.9	18.1	15.9	14.3	12.6	10.5	9.00	8.46	7.11	6.10	5.07	4.25
75.0	18.2	15.9	14.0	12.0	9.98	7.99	7.30	6.42	5.87	4.98	4.49	3.88
80.0	15.8	13.1	10.9	8.94	7.34	6.21	5.67	4.87	4.48	3.95	3.46	3.27
85.0	12.8	10.5	8.75	7.21	5.86	4.79	4.06	3.58	3.19	3.39	3.17	2.81
90.0	11.5	9.30	7.60	6.20	4.90	3.90	3.20	3.10	3.00	3.00	3.20	2.90
95.0	9.51	7.51	6.06	4.91	3.99	3.23	2.83	2.81	2.69	2.90	2.58	2.19
100.0	8.19	6.38	5.08	3.87	3.09	2.64	2.56	2.49	2.66	2.45	1.90	1.52
105.0	6.38	5.13	4.22	3.38	2.58	1.83	2.14	2.26	2.36	2.02	1.61	1.33
110.0	4.75	3.59	2.75	2.27	2.00	1.66	1.58	2.02	1.82	1.53	1.36	1.28
115.0	3.37	2.80	2.18	1.51	1.19	1.28	1.40	1.44	1.43	1.10	1.11	1.20
120.0	1.73	1.11	1.06	0.95	0.91	0.82	1.09	1.19	1.08	0.95	1.00	1.10
125.0	0.73	0.74	0.55	0.38	0.50	0.63	0.80	0.84	0.85	0.71	0.88	0.94
130.0	0.11	0.01	0.20	0.28	0.39	0.50	0.57	0.60	0.59	0.63	0.60	0.76
135.0	0.00	0.00	0.00	0.01	0.18	0.24	0.39	0.44	0.39	0.49	0.42	0.60
140.0	0.00	0.00	0.00	0.00	0.07	0.19	0.25	0.21	0.30	0.30	0.33	0.37
145.0	0.00	0.00	0.00	0.00	0.01	0.04	0.07	0.03	0.04	0.07	0.16	0.17
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Test System: LSG-1800
Temperature: 25.3 DEG
Operators: A
Test Date: 12-05-2018

Test Set: 5.0 deg/s B-Beta (TYPE B)
Humidity: 65.0%
Test Distance: 10.000 m
Remarks: