

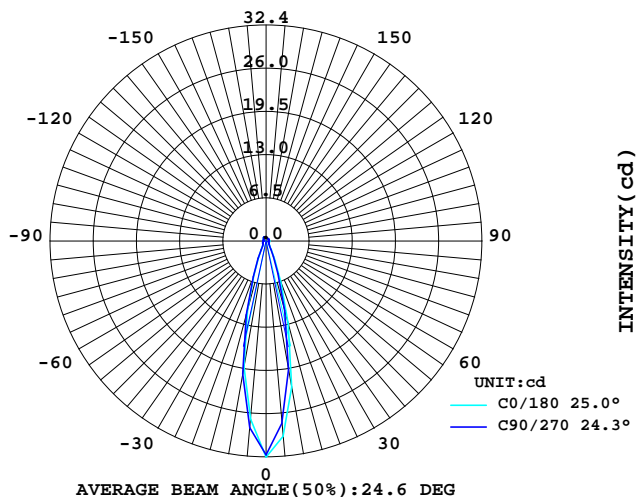
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: EL-RP20210721-6

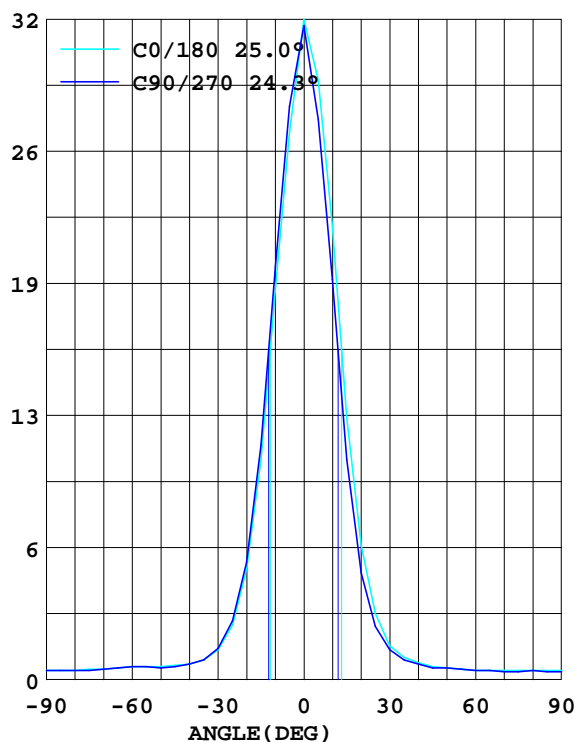
MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: 5PCS 18W 6 IN 1	TYPE: 18W RGBWA/UV	WEIGHT:
SPECIFICATION: 5PCS 18W 6 IN 1 ONLY UV ON	DIMENSION:	SERIAL No.: 01

DATA OF LAMP		Imax(cd)	33.02	S/MH(C0/180)	0.40
MODEL	18W 6 IN 1	EFFICIENCY(%)	100.0	S/MH(C90/270)	0.42
NOMINAL POWER(W)	0	TOTAL FLUX(lm)	13.352	Voltage(V)	0
RATED VOLTAGE(V)	AC110	EFFICIENCY(lm/W)		Current(A)	0
NOMINAL FLUX(lm)	13.4	η up(%)	22.5	Power(W)	0
LAMPS QUANTITY	1	η down(%)	77.5	Power Factor(PF)	0
TEST VOLTAGE(V)	0.0	Effective Flux(lm)	6.6	EEI	0.000

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



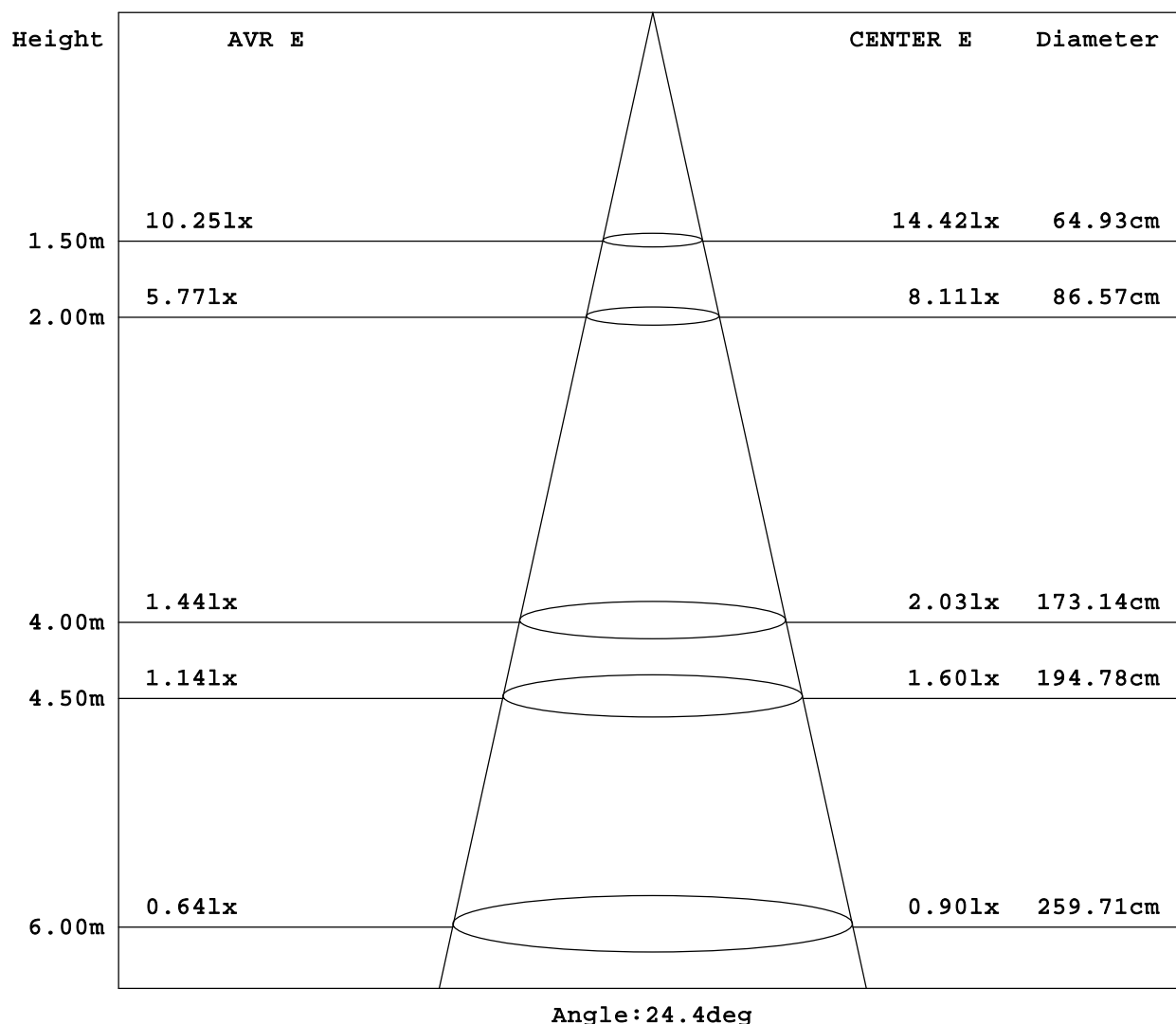
Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:RD
Test Date:07-21-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 5PCS 18W 6 IN 1 ONLY UV ON

AVERAGE AND CENTER E Figure

Report number: EL-RP20210721-6

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: 5PCS 18W 6 IN 1	TYPE: 18W RGBWA/UV	WEIGHT:
SPECIFICATION: 5PCS 18W 6 IN 1 ONLY UV ON	DIMENSION:	SERIAL No.: 01



Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:RD
 Test Date:07-21-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
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ZONAL FLUX DIAGRAM

Report number: EL-RP20210721-6

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: 5PCS 18W 6 IN 1	TYPE: 18W RGBWA/UV	WEIGHT:
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γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
10.0	19.20	17.92	20.28	23.61	22.27	23.87	19.64	15.93	0- 10	2.444	2.444
20.0	5.440	4.864	5.760	7.424	6.592	6.912	5.248	4.096	10- 20	3.329	5.773
30.0	1.472	1.280	1.536	1.664	1.664	1.920	1.472	1.280	20- 30	1.468	7.242
40.0	0.768	0.640	0.768	0.576	0.832	0.896	0.768	0.768	30- 40	0.661	7.902
50.0	0.640	0.576	0.576	0.512	0.576	0.640	0.576	0.576	40- 50	0.499	8.401
60.0	0.640	0.576	0.640	0.576	0.448	0.512	0.448	0.448	50- 60	0.502	8.903
70.0	0.512	0.512	0.512	0.448	0.448	0.448	0.384	0.384	60- 70	0.496	9.399
80.0	0.448	0.448	0.448	0.448	0.448	0.448	0.448	0.384	70- 80	0.470	9.869
90.0	0.448	0.448	0.448	0.448	0.448	0.448	0.384	0.384	80- 90	0.474	10.34
100.0	0.448	0.448	0.448	0.384	0.448	0.448	0.448	0.384	90-100	0.471	10.81
110.0	0.448	0.448	0.448	0.384	0.448	0.512	0.512	0.448	100-110	0.463	11.27
120.0	0.448	0.448	0.448	0.384	0.448	0.512	0.448	0.448	110-120	0.455	11.73
130.0	0.512	0.512	0.512	0.448	0.448	0.448	0.448	0.384	120-130	0.405	12.13
140.0	0.640	0.640	0.640	0.576	0.448	0.448	0.448	0.448	130-140	0.388	12.52
150.0	0.704	0.704	0.704	0.704	0.448	0.512	0.512	0.448	140-150	0.352	12.87
160.0	0.640	0.640	0.640	0.640	0.512	0.512	0.512	0.448	150-160	0.273	13.15
170.0	0.576	0.576	0.576	0.448	0.512	0.512	0.512	0.448	160-170	0.154	13.30
180.0	0.512	0.512	0.512	0.384	0.512	0.512	0.512	0.448	170-180	0.048	13.35
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:RD
 Test Date:07-21-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks: 5PCS 18W 6 IN 1 ONLY UV ON

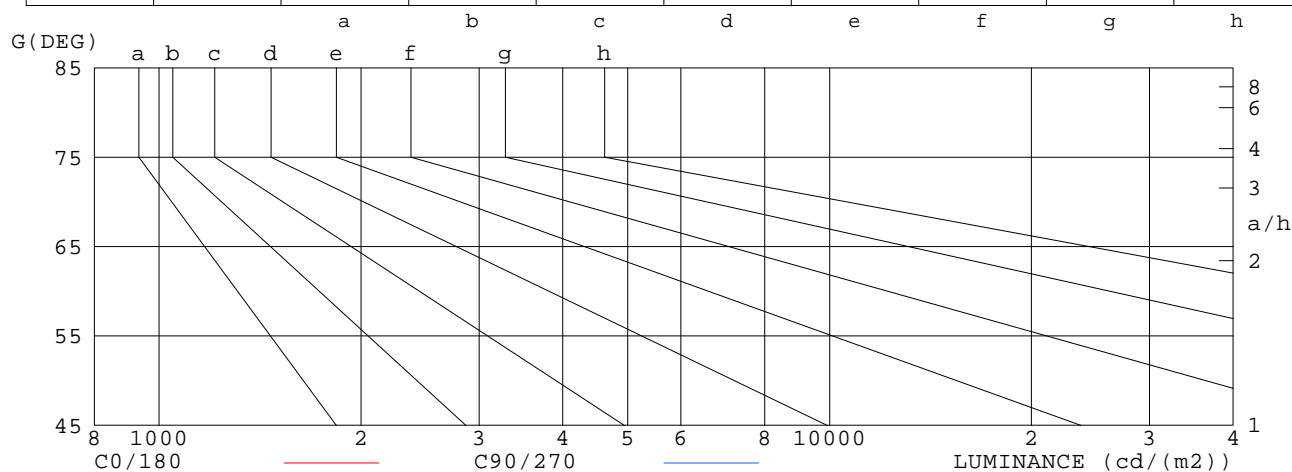
LUMINANCE LIMITATION CURVES

Report number: EL-RP20210721-6

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: 5PCS 18W 6 IN 1	TYPE: 18W RGBWA/UV	WEIGHT:
SPECIFICATION: 5PCS 18W 6 IN 1 ONLY UV ON	DIMENSION:	SERIAL No.: 01

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



LUMINANCE cd/m2		
G (DEG)	C0/180	C90/270
85	51	51
80	26	26
75	20	17
70	15	15
65	14	14
60	13	13
55	11	11
50	10	9
45	10	9

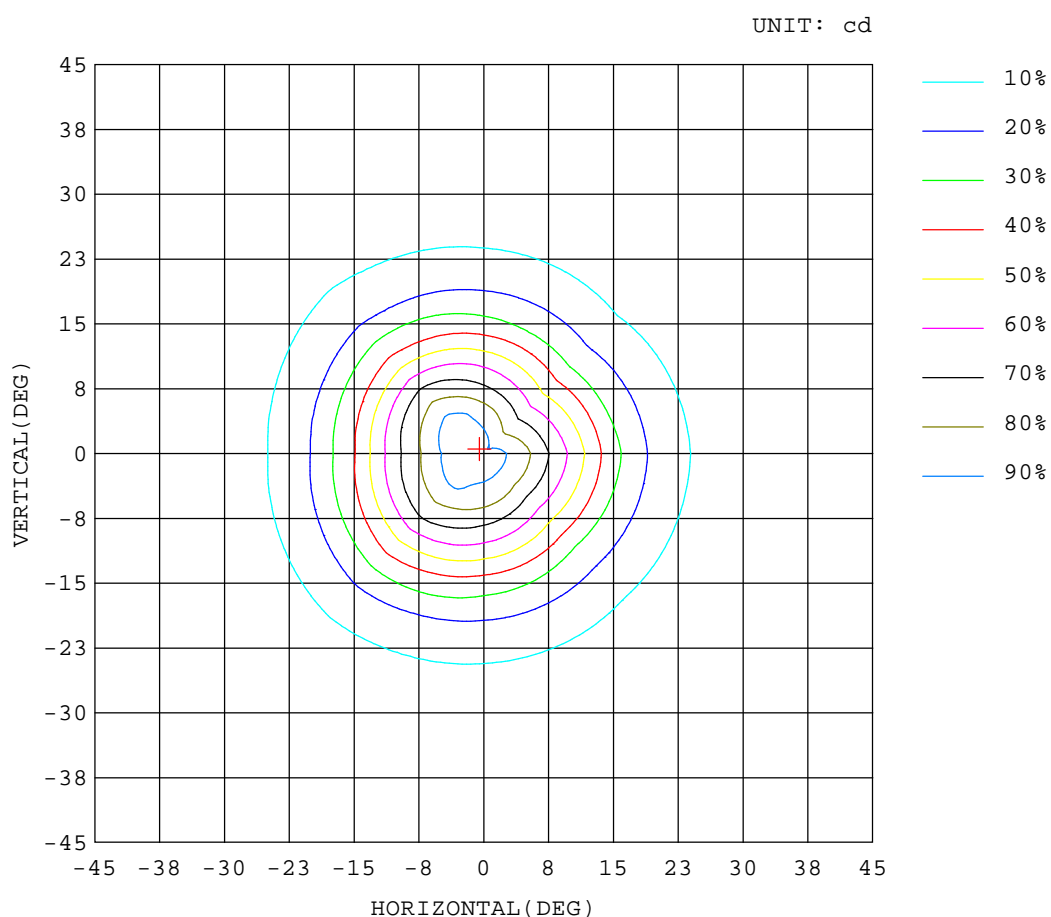
Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:RD
Test Date:07-21-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
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ISOCANDELA DIAGRAM

Report number: EL-RP20210721-6

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: 5PCS 18W 6 IN 1	TYPE: 18W RGBWA/UV	WEIGHT:
SPECIFICATION: 5PCS 18W 6 IN 1 ONLY UV ON	DIMENSION:	SERIAL No.: 01



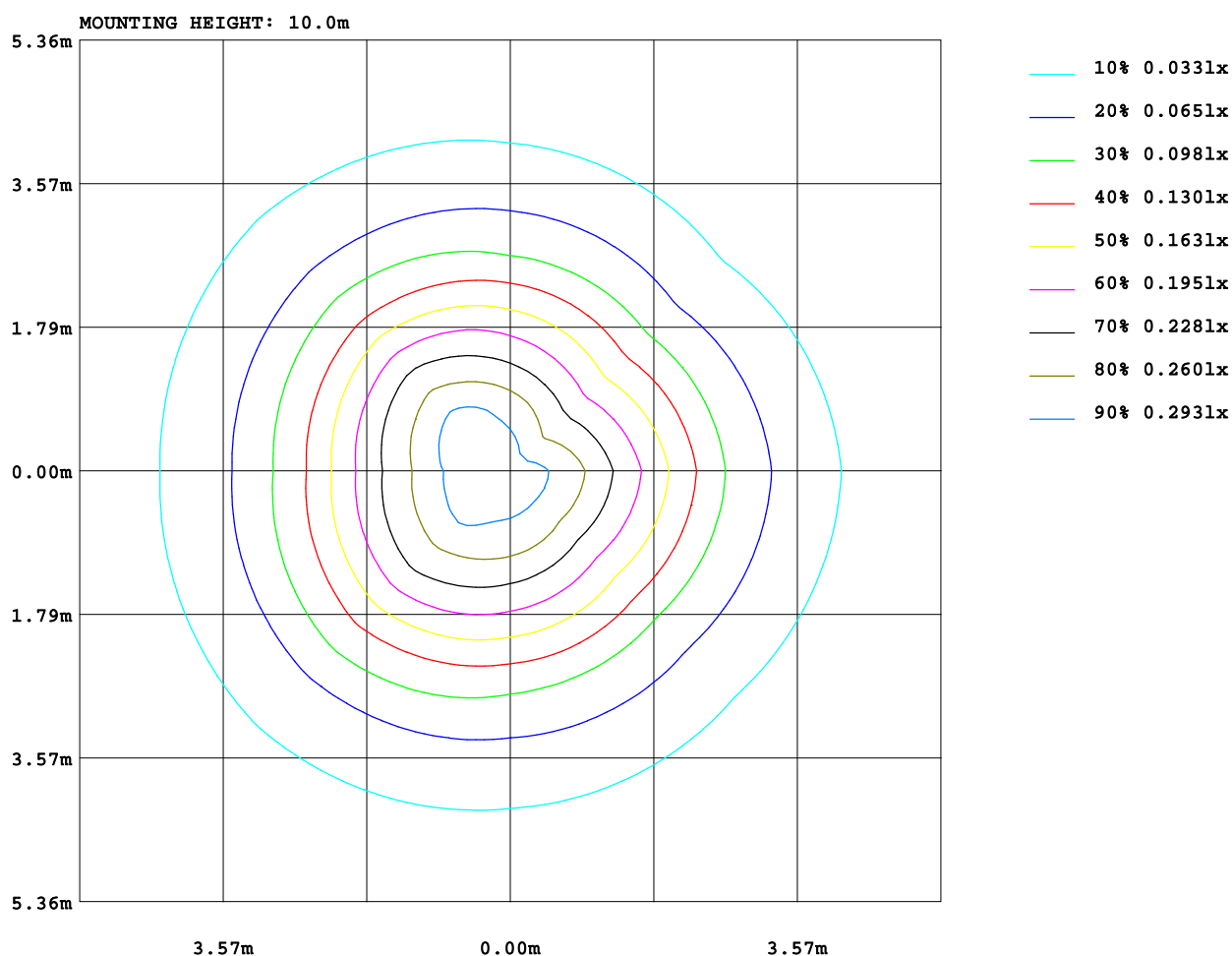
Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:RD
Test Date:07-21-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 5PCS 18W 6 IN 1 ONLY UV ON

ISOLUX DIAGRAM

Report number: EL-RP20210721-6

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: 5PCS 18W 6 IN 1	TYPE: 18W RGBWA/UV	WEIGHT:
SPECIFICATION: 5PCS 18W 6 IN 1 ONLY UV ON	DIMENSION:	SERIAL No.: 01



Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:RD
Test Date:07-21-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 5PCS 18W 6 IN 1 ONLY UV ON

AREA LUMINOUS FLUX

Report number: EL-RP20210721-6

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: 5PCS 18W 6 IN 1	TYPE: 18W RGBWA/UV	WEIGHT:
SPECIFICATION: 5PCS 18W 6 IN 1 ONLY UV ON	DIMENSION:	SERIAL No.: 01

VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a
	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00		
45	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.09	0.00		
40	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.11	0.00		
35	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.16	0.00		
30	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.00	0.00	0.24	0.09		
25	0.00	0.01	0.01	0.01	0.02	0.03	0.04	0.06	0.06	0.06	0.04	0.03	0.02	0.01	0.01	0.01	0.00	0.00	0.41	0.31		
20	0.00	0.01	0.01	0.01	0.02	0.04	0.07	0.11	0.12	0.11	0.08	0.05	0.03	0.02	0.01	0.01	0.00	0.00	0.69	0.61		
15	0.00	0.01	0.01	0.02	0.03	0.06	0.11	0.17	0.19	0.16	0.12	0.07	0.04	0.02	0.01	0.01	0.01	0.00	1.02	0.95		
	0.00	0.01	0.01	0.02	0.03	0.07	0.13	0.19	0.23	0.20	0.16	0.10	0.06	0.03	0.01	0.01	0.01	0.00	1.27	1.19		
	0.00	0.01	0.01	0.02	0.03	0.07	0.13	0.19	0.23	0.21	0.16	0.11	0.06	0.03	0.01	0.01	0.01	0.00	1.28	1.21		
	0.00	0.01	0.01	0.01	0.03	0.06	0.11	0.17	0.19	0.17	0.13	0.08	0.05	0.02	0.01	0.01	0.00	0.00	1.06	0.99		
-15	0.00	0.00	0.01	0.01	0.02	0.05	0.08	0.11	0.12	0.11	0.08	0.05	0.03	0.02	0.01	0.01	0.00	0.00	0.73	0.65		
-20	0.00	0.00	0.01	0.01	0.02	0.03	0.05	0.06	0.07	0.06	0.05	0.03	0.02	0.01	0.01	0.01	0.00	0.00	0.44	0.34		
-25	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.03	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.25	0.11		
-30	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.15	0.00		
-35	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.10	0.00		
-40	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00		
-45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00		
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)				10	15	20	25	30	35	40	45		
Φ t	0.06	0.08	0.10	0.16	0.28	0.49	0.83	1.18	1.34	1.21	0.94	0.62	0.37	0.22	0.13	0.10	0.08	0.06	13			
Φ a	0.00	0.00	0.00	0.00	0.15	0.40	0.74	1.09	1.25	1.13	0.85	0.52	0.26	0.07	0.00	0.00	0.00	0.00		7		

Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:RD
 Test Date:07-21-2021

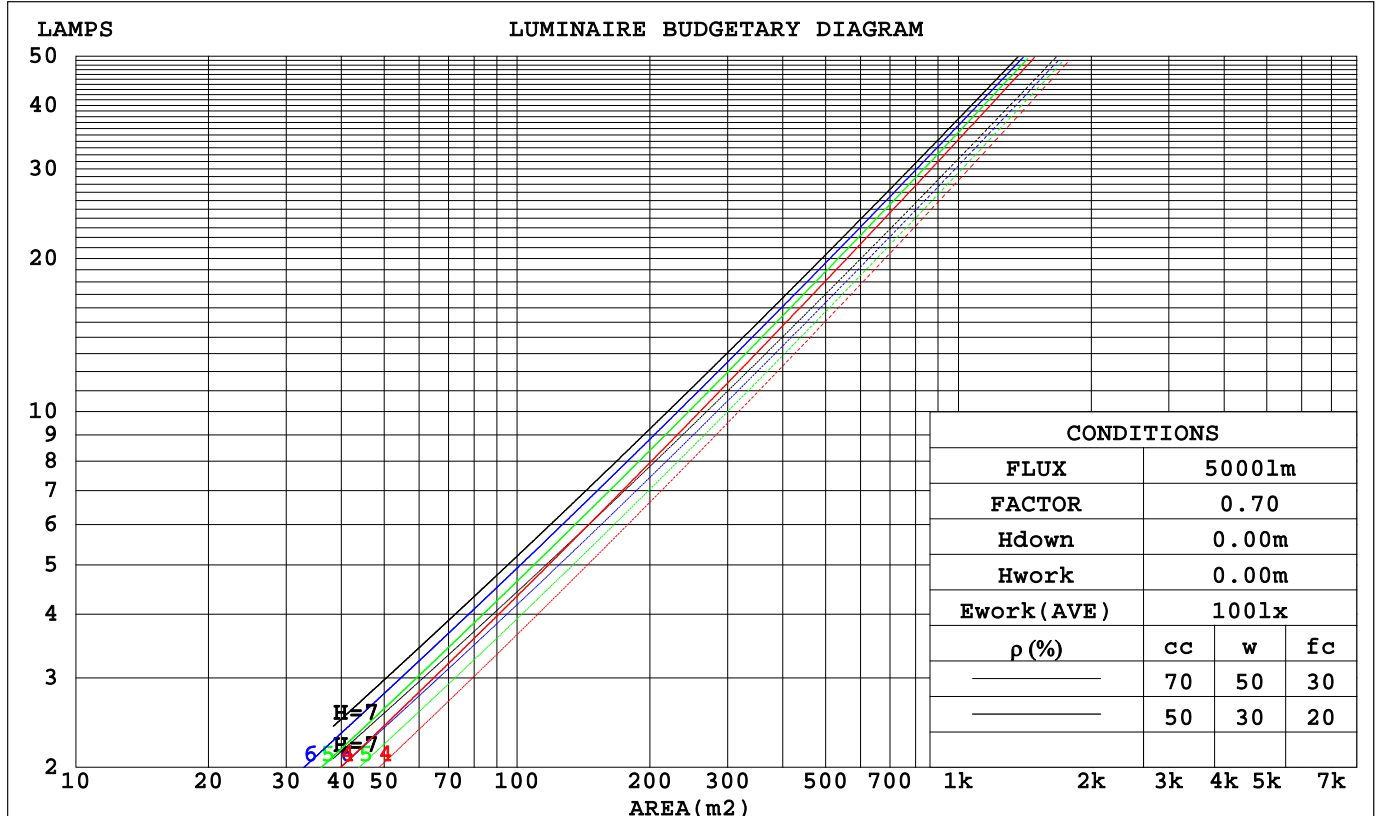
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks: 5PCS 18W 6 IN 1 ONLY UV ON

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number: EL-RP20210721-6

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: 5PCS 18W 6 IN 1	TYPE: 18W RGBWA/UV	WEIGHT:
SPECIFICATION: 5PCS 18W 6 IN 1 ONLY UV ON	DIMENSION:	SERIAL No.: 01

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.14	1.14	1.14	1.08	1.08	1.08	.99	.99	.99	.90	.90	.90	.81	.81	.81	.77
1.0	1.02	.98	.95	.97	.94	.91	.89	.87	.84	.81	.80	.78	.74	.73	.72	.68
2.0	.93	.87	.83	.89	.84	.80	.82	.78	.75	.75	.73	.70	.70	.67	.66	.63
3.0	.85	.79	.75	.82	.77	.72	.76	.72	.68	.71	.67	.65	.66	.63	.61	.58
4.0	.79	.73	.68	.77	.71	.66	.72	.67	.63	.67	.63	.60	.62	.60	.57	.55
5.0	.74	.68	.63	.72	.66	.62	.67	.63	.59	.63	.60	.56	.60	.56	.54	.52
6.0	.70	.63	.59	.68	.62	.58	.64	.59	.56	.60	.56	.53	.57	.54	.51	.49
7.0	.66	.60	.55	.64	.59	.54	.61	.56	.53	.58	.54	.51	.55	.52	.49	.47
8.0	.63	.57	.52	.61	.56	.52	.58	.53	.50	.55	.51	.49	.53	.50	.47	.45
9.0	.60	.54	.50	.58	.53	.49	.56	.51	.48	.53	.49	.47	.51	.48	.45	.44
10.0	.57	.51	.48	.56	.51	.47	.54	.49	.46	.51	.47	.45	.49	.46	.44	.42



Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:RD
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Test Set: 5.0deg/s C-Gamma (TYPE C)
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 Remarks: 5PCS 18W 6 IN 1 ONLY UV ON

WEC AND CCEC

Report number: EL-RP20210721-6

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NAME: 5PCS 18W 6 IN 1	TYPE: 18W RGBWA/UV	WEIGHT:
SPECIFICATION: 5PCS 18W 6 IN 1 ONLY UV ON	DIMENSION:	SERIAL No.: 01

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	.250	.142	.045	.237	.135	.043	.211	.121	.039	.187	.108	.035	.166	.096	.031															
2.0	.219	.120	.037	.207	.114	.035	.184	.102	.032	.163	.091	.029	.143	.081	.026															
3.0	.197	.105	.031	.186	.100	.030	.165	.090	.027	.146	.080	.025	.129	.071	.022															
4.0	.179	.093	.027	.169	.089	.026	.151	.080	.024	.134	.072	.022	.118	.064	.020															
5.0	.165	.084	.024	.156	.080	.023	.139	.073	.021	.124	.065	.019	.109	.058	.018															
6.0	.153	.077	.022	.145	.073	.021	.129	.066	.019	.115	.060	.018	.102	.054	.016															
7.0	.142	.070	.020	.135	.067	.019	.121	.061	.018	.108	.055	.016	.096	.050	.015															
8.0	.133	.065	.018	.127	.062	.018	.114	.057	.016	.102	.052	.015	.090	.046	.014															
9.0	.125	.061	.017	.119	.058	.016	.107	.053	.015	.096	.048	.014	.086	.044	.013															
10.0	.118	.057	.016	.113	.054	.015	.102	.050	.014	.091	.045	.013	.082	.041	.012															

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	.362	.362	.362	.310	.310	.310	.211	.211	.211	.121	.121	.121	.039	.039	.039	
1.0	.349	.330	.312	.299	.283	.269	.204	.195	.186	.118	.113	.108	.038	.036	.035	
2.0	.337	.307	.281	.289	.264	.243	.198	.183	.170	.114	.106	.099	.037	.034	.032	
3.0	.326	.289	.260	.279	.249	.225	.192	.173	.158	.111	.101	.093	.036	.033	.031	
4.0	.316	.275	.245	.271	.238	.213	.186	.166	.150	.108	.097	.089	.035	.032	.029	
5.0	.307	.265	.234	.263	.229	.203	.181	.160	.143	.105	.094	.085	.034	.031	.028	
6.0	.299	.256	.225	.257	.222	.196	.177	.155	.139	.103	.091	.082	.033	.030	.027	
7.0	.292	.249	.219	.251	.216	.190	.173	.151	.135	.101	.089	.080	.033	.029	.027	
8.0	.285	.243	.213	.246	.210	.186	.170	.148	.132	.099	.087	.079	.032	.029	.026	
9.0	.280	.238	.209	.241	.206	.182	.167	.145	.130	.097	.086	.077	.031	.028	.026	
10.0	.274	.233	.206	.237	.203	.180	.164	.143	.128	.096	.084	.076	.031	.028	.025	

Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:RD
 Test Date:07-21-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks: 5PCS 18W 6 IN 1 ONLY UV ON

Uncorrected UGR Table

Report number: EL-RP20210721-6

MANUFACTURER: Environmental Lights										
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A										
NAME: 5PCS 18W 6 IN 1					TYPE: 18W RGBWA/UV			WEIGHT:		
SPECIFICATION: 5PCS 18W 6 IN 1 ONLY UV ON					DIMENSION:			SERIAL No.: 01		
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	-7.6	-6.7	-7.1	-6.3	-5.7	-7.7	-6.8	-7.1	-6.3	-5.8
3H	-5.0	-4.2	-4.4	-3.6	-3.0	-5.1	-4.3	-4.5	-3.8	-3.2
4H	-3.4	-2.7	-2.9	-2.1	-1.5	-3.8	-3.0	-3.2	-2.5	-1.8
6H	-1.9	-1.2	-1.3	-0.6	0.1	-2.1	-1.4	-1.5	-0.8	-0.1
8H	-0.9	-0.2	-0.3	0.4	1.0	-1.1	-0.4	-0.5	0.2	0.9
12H	0.2	0.9	0.9	1.5	2.2	0.1	0.8	0.8	1.4	2.1
4H 2H	-6.8	-6.0	-6.2	-5.4	-4.8	-6.8	-6.0	-6.2	-5.5	-4.8
3H	-4.0	-3.3	-3.3	-2.7	-2.0	-4.1	-3.4	-3.5	-2.8	-2.1
4H	-2.3	-1.7	-1.7	-1.1	-0.3	-2.6	-2.0	-1.9	-1.4	-0.6
6H	-0.6	-0.0	0.1	0.7	1.4	-0.7	-0.2	-0.0	0.5	1.3
8H	0.5	1.0	1.2	1.7	2.5	0.4	0.9	1.1	1.6	2.4
12H	1.8	2.3	2.5	3.0	3.8	1.7	2.2	2.4	2.9	3.7
8H 4H	-1.8	-1.3	-1.1	-0.6	0.2	-2.0	-1.5	-1.3	-0.8	0.0
6H	0.3	0.7	1.1	1.5	2.3	0.2	0.6	0.9	1.3	2.2
8H	1.6	2.0	2.4	2.7	3.6	1.5	1.9	2.3	2.6	3.5
12H	3.1	3.5	3.9	4.2	5.1	3.1	3.4	3.9	4.2	5.1
12H 4H	-1.6	-1.1	-0.9	-0.4	0.4	-1.8	-1.4	-1.1	-0.6	0.2
6H	0.6	1.0	1.4	1.7	2.6	0.5	0.9	1.3	1.6	2.5
8H	2.0	2.3	2.8	3.1	4.0	1.9	2.3	2.7	3.0	3.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.3 / - 0.3					+ 0.2 / - 0.2				
2.0H	+ 0.2 / - 0.3					+ 0.3 / - 0.4				

CIE Pub.117 Corrected 13.35 lm Total Lamp Luminous Flux.(8log(F/F0) = -15.0)

Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:RD
Test Date:07-21-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 5PCS 18W 6 IN 1 ONLY UV ON

UTILIZATION FACTORS TABLE

Report number: EL-RP20210721-6

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: 5PCS 18W 6 IN 1	TYPE: 18W RGBWA/UV	WEIGHT:
SPECIFICATION: 5PCS 18W 6 IN 1 ONLY UV ON	DIMENSION:	SERIAL No.: 01

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) $k(RI) \times RCR = 5$									
$k = 0.60$	66	58	53	65	57	52	63	56	52	46
0.80	74	65	60	73	64	59	70	63	58	52
1.00	80	71	65	78	69	64	74	68	63	55
1.25	85	76	70	82	75	69	78	71	67	59
1.50	89	80	74	86	78	73	81	75	70	61
2.00	93	86	80	90	83	78	84	79	75	64
2.50	96	89	84	93	87	82	86	81	77	65
3.00	99	92	87	95	89	85	88	84	80	67
4.00	102	97	92	98	93	89	90	87	84	69
5.00	104	100	96	100	96	93	92	89	86	71
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

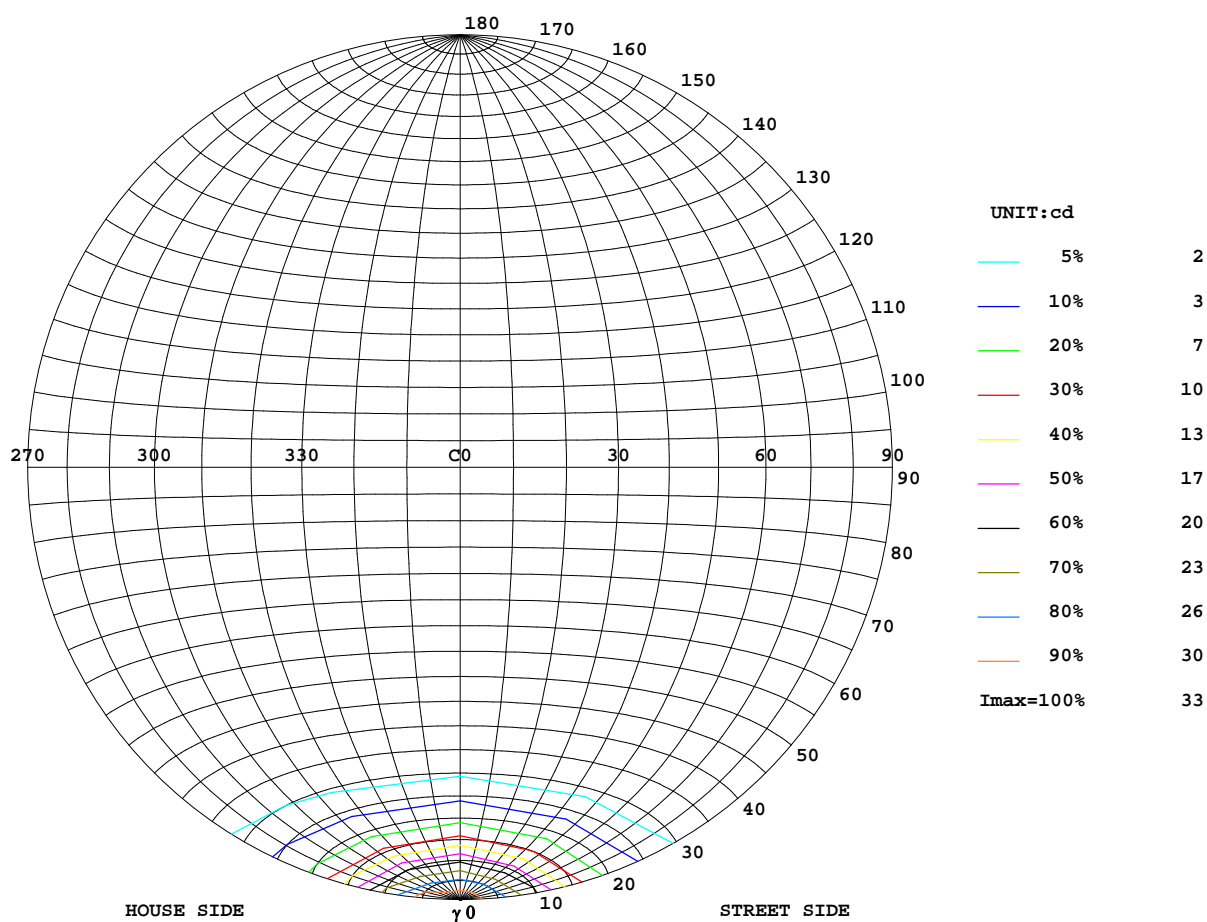
Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:RD
 Test Date:07-21-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
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ISOCANDELA DIAGRAM

Report number: EL-RP20210721-6

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: 5PCS 18W 6 IN 1	TYPE: 18W RGBWA/UV	WEIGHT:
SPECIFICATION: 5PCS 18W 6 IN 1 ONLY UV ON	DIMENSION:	SERIAL No.: 01



Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:RD
 Test Date:07-21-2021

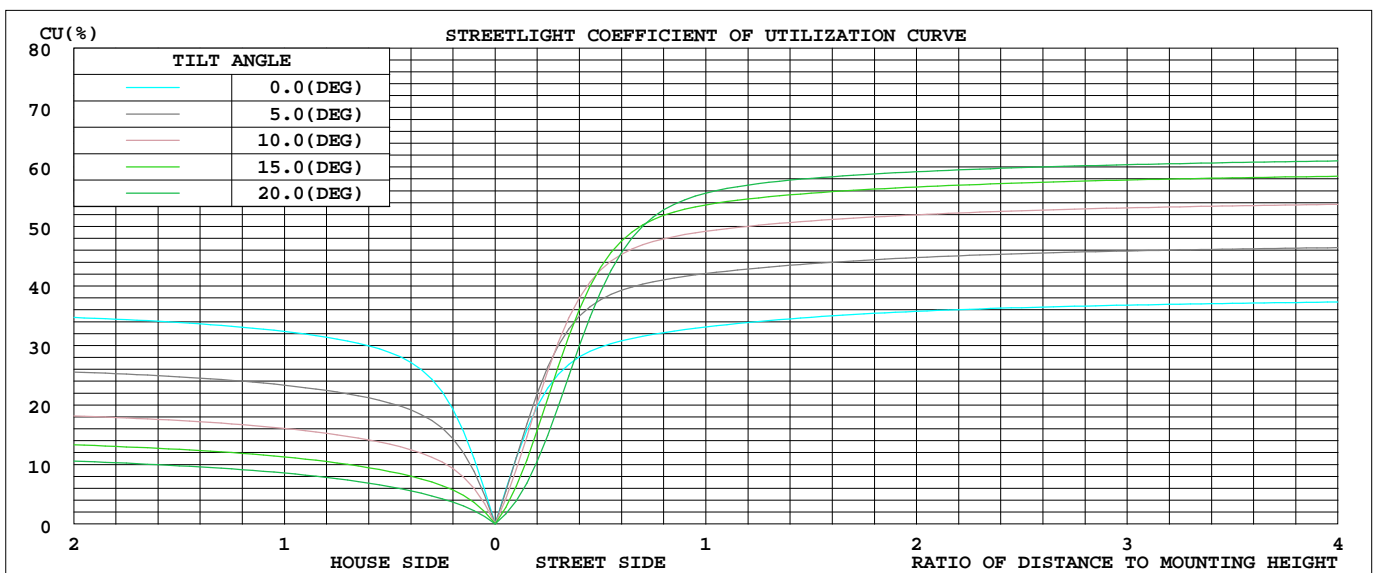
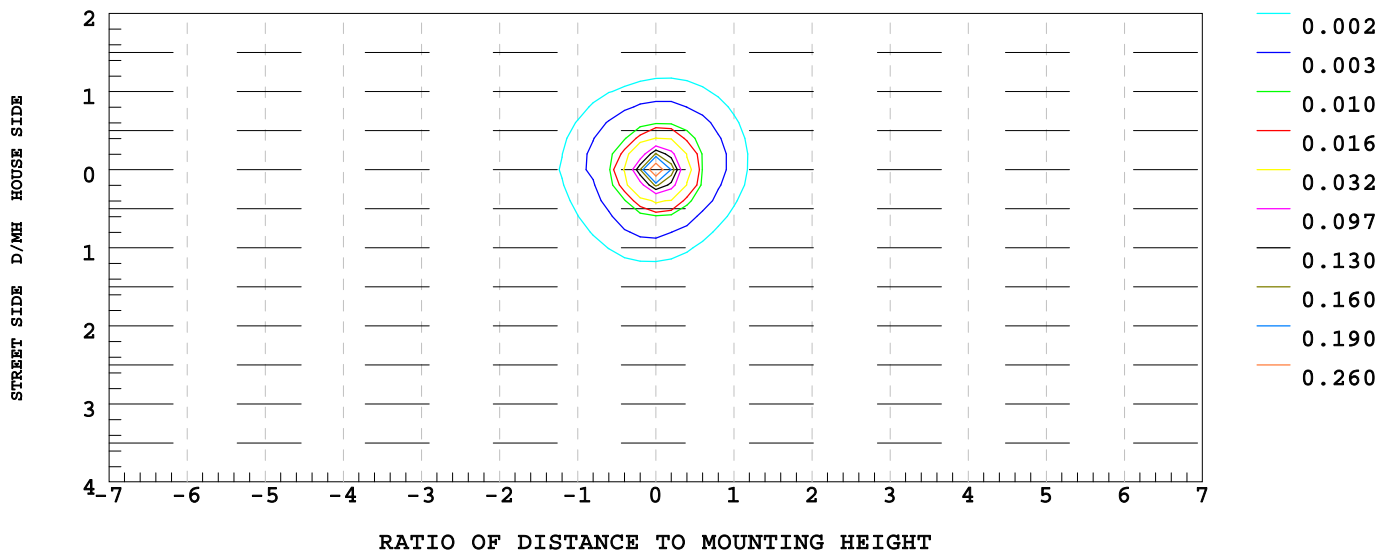
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks: 5PCS 18W 6 IN 1 ONLY UV ON

ISOLUX DIAGRAM

Report number: EL-RP20210721-6

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: 5PCS 18W 6 IN 1	TYPE: 18W RGBWA/UV	WEIGHT:
SPECIFICATION: 5PCS 18W 6 IN 1 ONLY UV ON	DIMENSION:	SERIAL No.: 01

ILLUMINANCE AT MH=10 m, Enadir = 0.32 lx



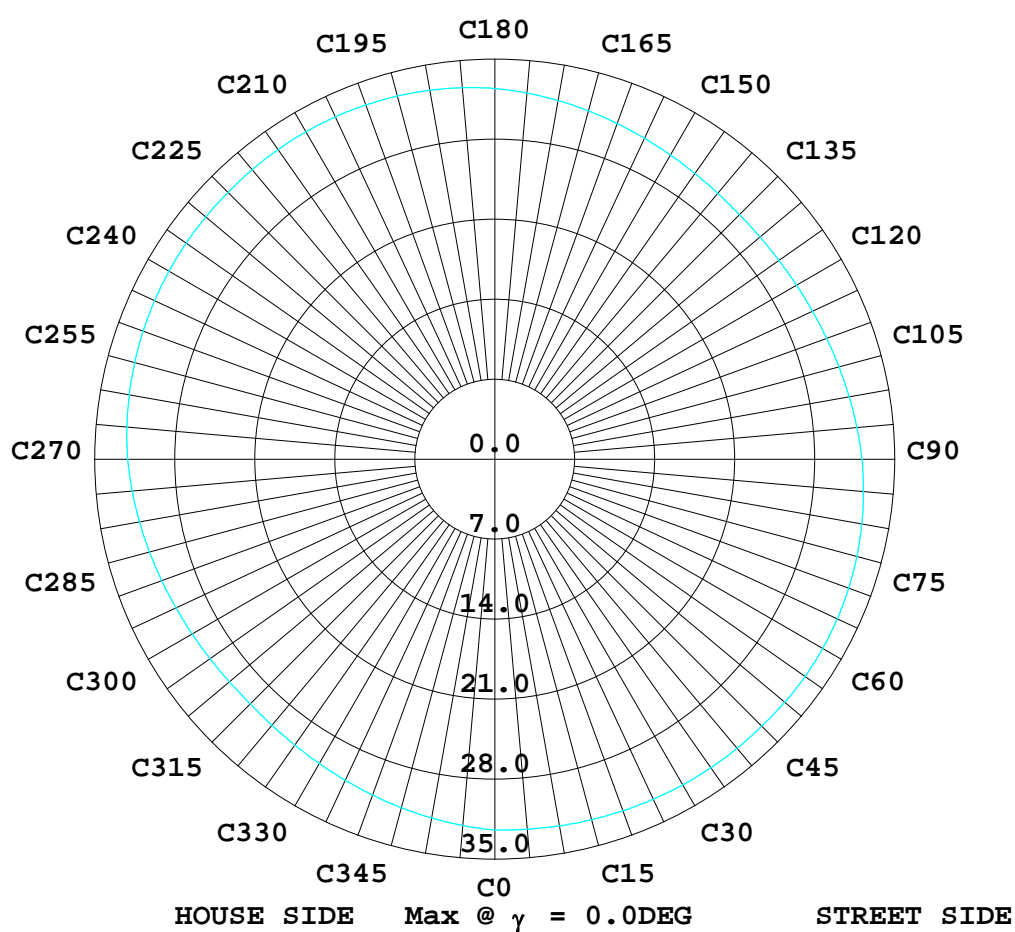
Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:RD
Test Date:07-21-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 5PCS 18W 6 IN 1 ONLY UV ON

ISOCANDELA DIAGRAM

Report number: EL-RP20210721-6

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: 5PCS 18W 6 IN 1	TYPE: 18W RGBWA/UV	WEIGHT:
SPECIFICATION: 5PCS 18W 6 IN 1 ONLY UV ON	DIMENSION:	SERIAL No.: 01



Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:RD
 Test Date:07-21-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks: 5PCS 18W 6 IN 1 ONLY UV ON

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: EL-RP20210721-6

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: 5PCS 18W 6 IN 1	TYPE: 18W RGBWA/UV	WEIGHT:
SPECIFICATION: 5PCS 18W 6 IN 1 ONLY UV ON	DIMENSION:	SERIAL No.: 01

UNIT: cd

C(DEC)	0	45	90	135	180	225	270	315
γ (DEC)								
0.0	32.4	33.0	32.1	30.2	32.4	33.0	32.1	30.2
5.0	26.8	26.3	28.1	30.0	29.4	31.3	27.5	23.9
10.0	19.2	17.9	20.2	23.6	22.2	23.8	19.6	15.9
15.0	10.8	9.85	11.5	14.6	12.8	13.8	10.8	8.44
20.0	5.44	4.86	5.76	7.42	6.59	6.91	5.24	4.09
25.0	2.68	2.36	2.88	3.58	3.26	3.52	2.62	2.11
30.0	1.47	1.28	1.53	1.66	1.66	1.92	1.47	1.28
35.0	0.96	0.83	0.96	0.90	1.08	1.21	0.96	0.96
40.0	0.77	0.64	0.77	0.58	0.83	0.90	0.77	0.77
45.0	0.70	0.58	0.64	0.51	0.64	0.70	0.58	0.64
50.0	0.64	0.58	0.58	0.51	0.58	0.64	0.58	0.58
55.0	0.64	0.58	0.64	0.58	0.51	0.58	0.51	0.45
60.0	0.64	0.58	0.64	0.58	0.45	0.51	0.45	0.45
65.0	0.58	0.51	0.58	0.51	0.45	0.51	0.45	0.45
70.0	0.51	0.51	0.51	0.45	0.45	0.45	0.38	0.38
75.0	0.51	0.45	0.45	0.45	0.45	0.45	0.38	0.38
80.0	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.38
85.0	0.45	0.45	0.45	0.45	0.45	0.45	0.38	0.38
90.0	0.45	0.45	0.45	0.45	0.45	0.45	0.38	0.38
95.0	0.45	0.45	0.45	0.38	0.45	0.45	0.45	0.38
100.0	0.45	0.45	0.45	0.38	0.45	0.45	0.45	0.38
105.0	0.45	0.45	0.45	0.38	0.45	0.45	0.45	0.38
110.0	0.45	0.45	0.45	0.38	0.45	0.51	0.51	0.45
115.0	0.45	0.45	0.45	0.38	0.51	0.51	0.51	0.45
120.0	0.45	0.45	0.45	0.38	0.45	0.51	0.45	0.45
125.0	0.51	0.45	0.45	0.45	0.45	0.45	0.45	0.38
130.0	0.51	0.51	0.51	0.45	0.45	0.45	0.45	0.38
135.0	0.58	0.58	0.58	0.51	0.45	0.45	0.45	0.45
140.0	0.64	0.64	0.64	0.58	0.45	0.45	0.45	0.45
145.0	0.70	0.64	0.70	0.64	0.45	0.45	0.45	0.45
150.0	0.70	0.70	0.70	0.70	0.45	0.51	0.51	0.45
155.0	0.70	0.70	0.70	0.70	0.51	0.51	0.51	0.45
160.0	0.64	0.64	0.64	0.64	0.51	0.51	0.51	0.45
165.0	0.64	0.58	0.58	0.51	0.51	0.51	0.51	0.45
170.0	0.58	0.58	0.58	0.45	0.51	0.51	0.51	0.45
175.0	0.51	0.51	0.51	0.38	0.51	0.51	0.51	0.45
180.0	0.51	0.51	0.51	0.38	0.51	0.51	0.51	0.45

Test System:HOP00 HPG1800
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Test Set: 5.0deg/s C-Gamma (TYPE C)
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 Remarks: 5PCS 18W 6 IN 1 ONLY UV ON