

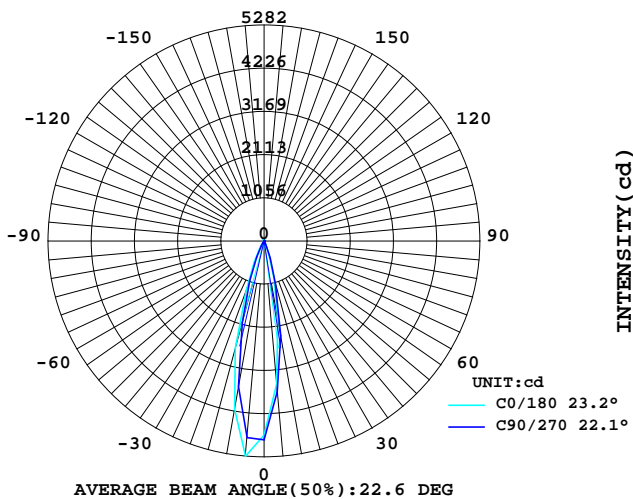
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: EL-RP20210721-2

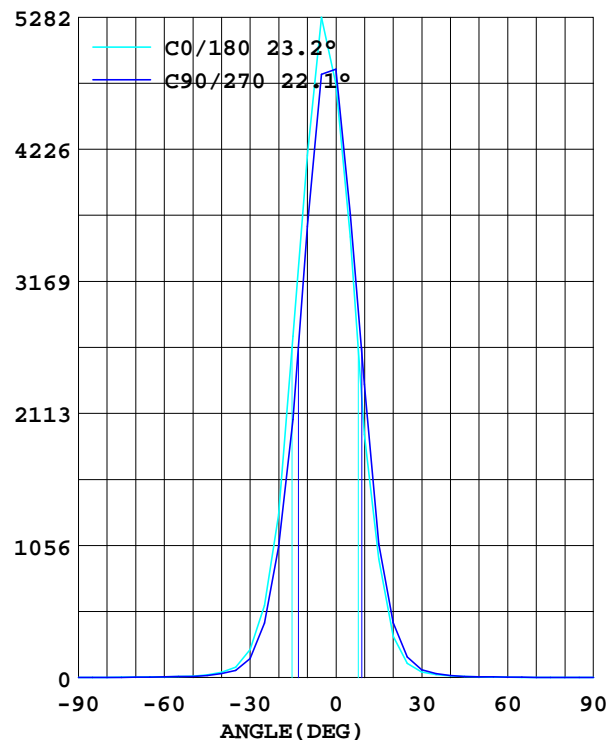
MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: 9PCS 18W 6 IN 1	TYPE: 18W RGBWA/UV	WEIGHT:
SPECIFICATION: 9PCS 18W 6 IN 1	DIMENSION:	SERIAL No.: 01

DATA OF LAMP		Imax(cd)	5282	S/MH(C0/180)	0.50
MODEL	18W 6 IN 1	EFFICIENCY(%)	100.0	S/MH(C90/270)	0.46
NOMINAL POWER(W)	0	TOTAL FLUX(lm)	1100.6	Voltage(V)	0
RATED VOLTAGE(V)	AC110	EFFICIENCY(lm/W)		Current(A)	0
NOMINAL FLUX(lm)	1100.7	η up(%)	2.2	Power(W)	0
LAMPS QUANTITY	1	η down(%)	97.8	Power Factor(PF)	0
TEST VOLTAGE(V)	0.0	Effective Flux(lm)	931.2	EEI	0.000

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



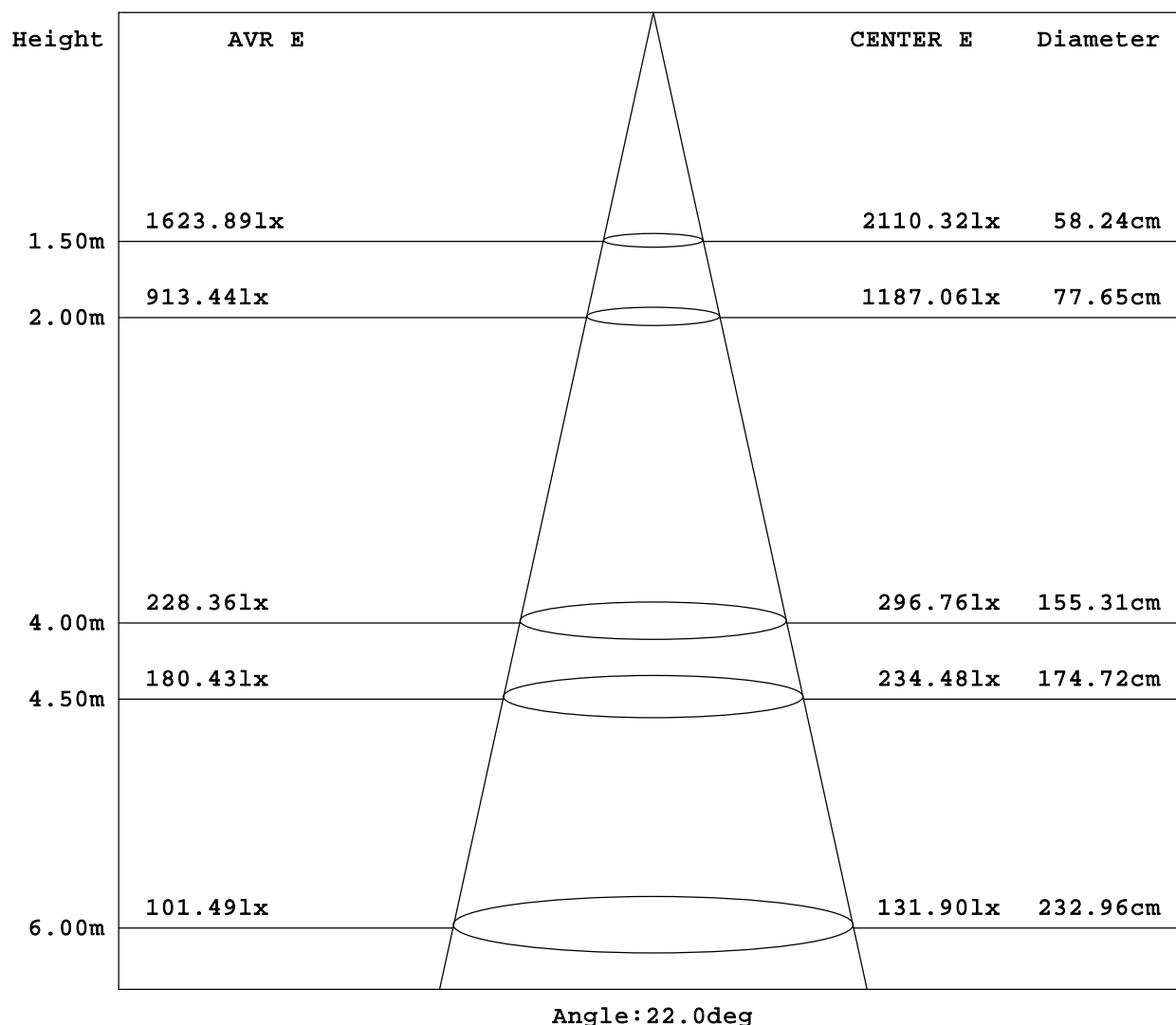
Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:RD
Test Date:07-21-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 9PCS 18W 6 IN 1 ONLY White Amber (

AVERAGE AND CENTER E Figure

Report number: EL-RP20210721-2

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
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ZONAL FLUX DIAGRAM

Report number: EL-RP20210721-2

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NAME: 9PCS 18W 6 IN 1	TYPE: 18W RGBWA/UV	WEIGHT:
SPECIFICATION: 9PCS 18W 6 IN 1	DIMENSION:	SERIAL No.: 01

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
10.0	4177	4070	3608	3213	1946	1988	2346	2901	0- 10	372.8	372.8
20.0	1303	1137	1047	803.5	332.4	360.7	440.0	576.5	10- 20	478.1	851.0
30.0	224.1	185.8	153.4	102.0	45.63	51.71	63.87	93.24	20- 30	165.1	1016
40.0	42.11	34.30	31.23	22.52	13.05	14.59	15.87	23.80	30- 40	36.01	1052
50.0	12.35	10.30	10.17	8.256	6.528	7.808	7.168	9.536	40- 50	11.67	1064
60.0	7.616	5.824	6.144	4.800	3.520	4.352	4.096	5.760	50- 60	6.256	1070
70.0	4.224	3.200	3.264	2.176	1.216	1.984	1.600	2.752	60- 70	3.823	1074
80.0	1.792	1.088	1.280	0.704	0.256	0.704	0.320	1.024	70- 80	1.719	1076
90.0	0.960	0.512	0.768	0.448	0.256	0.512	0.192	0.576	80- 90	0.715	1076
100.0	1.280	0.640	0.768	0.640	0.320	0.512	0.256	0.512	90-100	0.613	1077
110.0	6.080	0.896	1.024	0.896	0.448	0.576	0.384	0.512	100-110	0.903	1078
120.0	2.944	1.216	1.152	1.152	0.896	0.832	0.768	0.768	110-120	1.249	1079
130.0	8.768	1.792	1.856	2.176	2.752	2.560	2.368	2.048	120-130	1.742	1081
140.0	18.75	4.544	4.800	5.440	6.720	6.656	6.272	5.696	130-140	3.919	1085
150.0	19.07	8.896	8.896	9.600	9.664	10.17	9.728	9.664	140-150	7.011	1092
160.0	13.76	11.13	10.68	11.07	9.664	10.43	10.36	10.88	150-160	5.092	1097
170.0	11.20	10.36	10.30	9.728	8.384	8.320	8.960	9.216	160-170	2.949	1100
180.0	9.344	8.320	8.576	8.128	7.616	8.192	8.384	8.000	170-180	0.860	1101
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: 9PCS 18W 6 IN 1 ONLY White Amber (

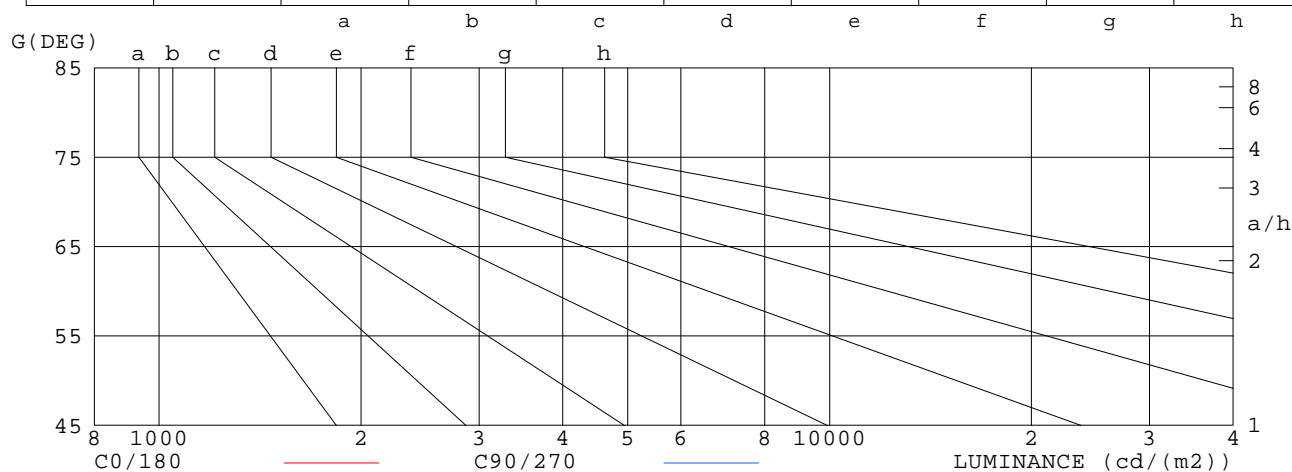
LUMINANCE LIMITATION CURVES

Report number: EL-RP20210721-2

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: 9PCS 18W 6 IN 1	TYPE: 18W RGBWA/UV	WEIGHT:
SPECIFICATION: 9PCS 18W 6 IN 1	DIMENSION:	SERIAL No.: 01

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
		2000	1000	500	<=300				
1.15	A								
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	140	95
80	103	74
75	101	79
70	124	95
65	138	109
60	152	123
55	163	137
50	192	158
45	312	226

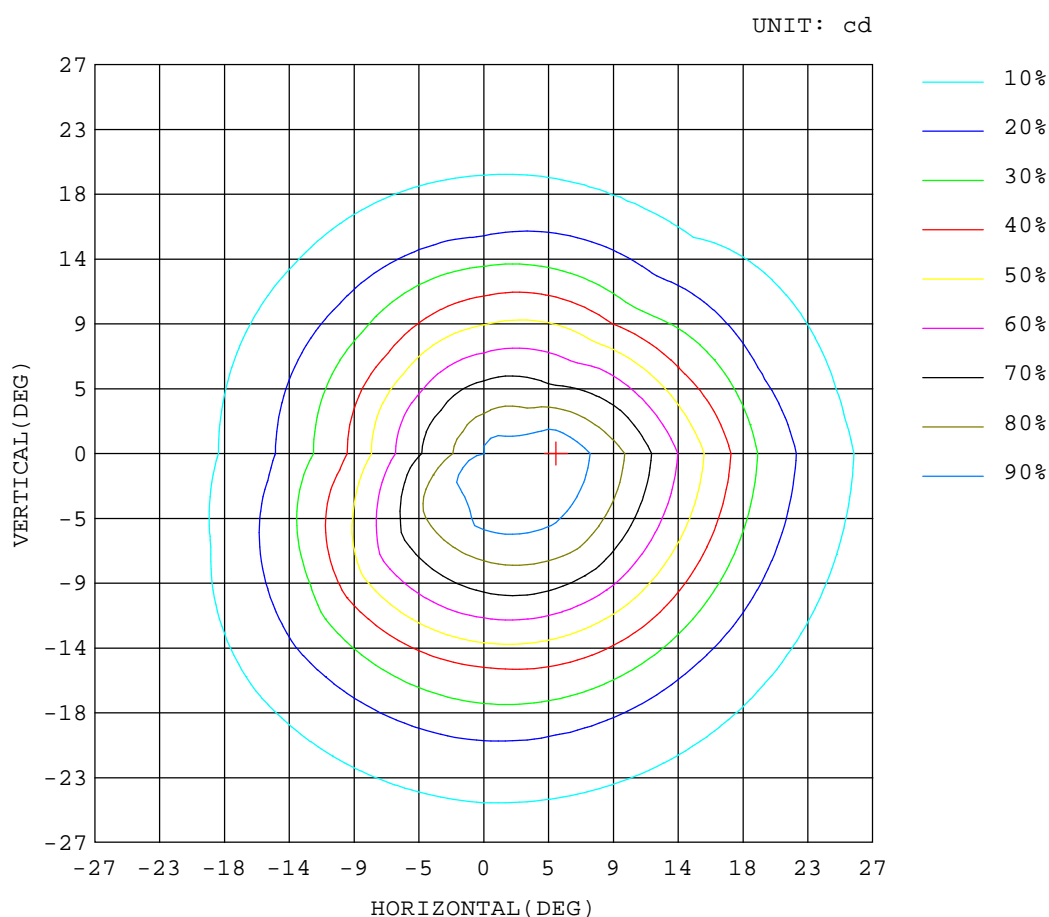
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Operators:RD
Test Date:07-21-2021

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-RP20210721-2

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: 9PCS 18W 6 IN 1	TYPE: 18W RGBWA/UV	WEIGHT:
SPECIFICATION: 9PCS 18W 6 IN 1	DIMENSION:	SERIAL No.: 01



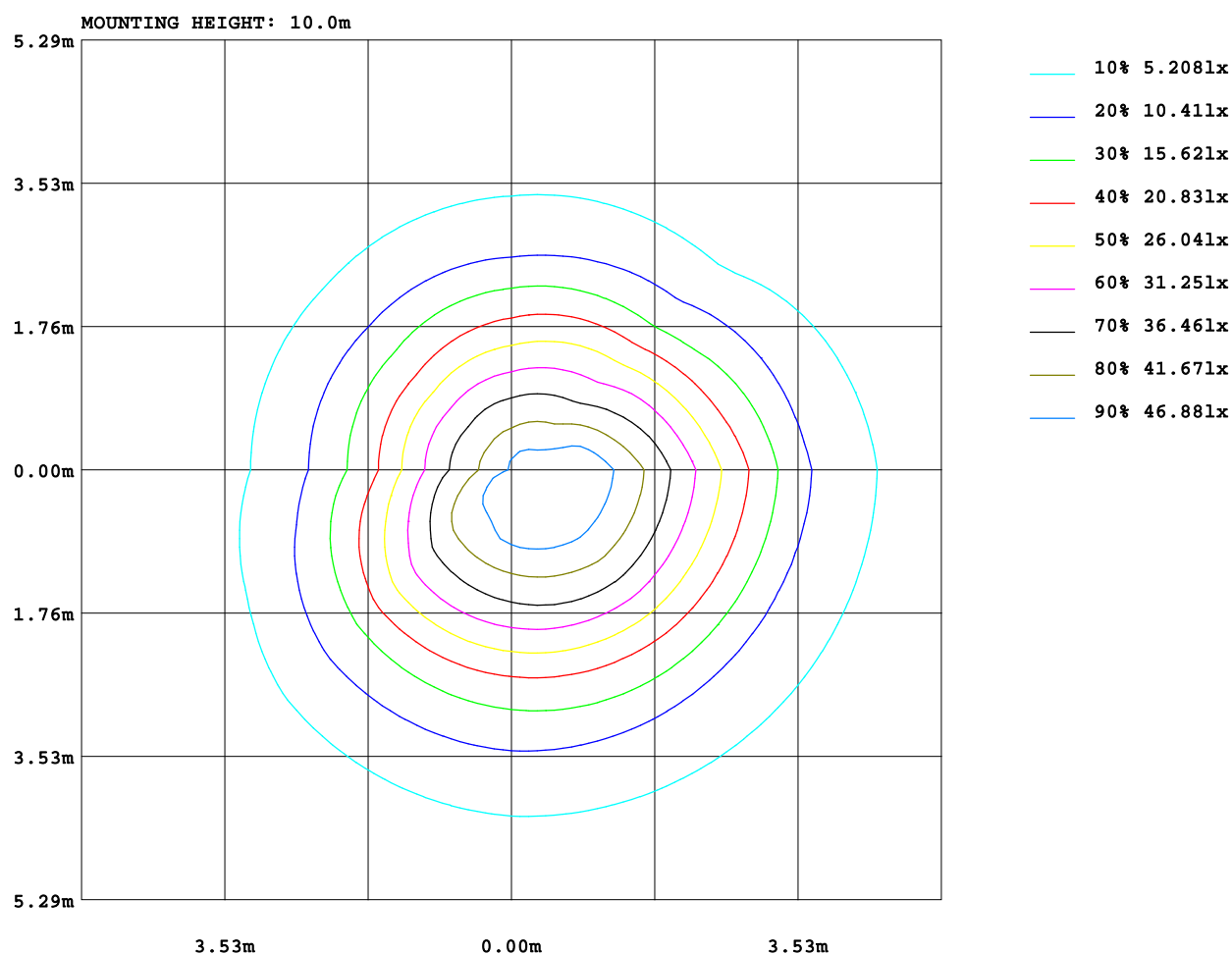
Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:RD
Test Date:07-21-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
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ISOLUX DIAGRAM

Report number: EL-RP20210721-2

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: 9PCS 18W 6 IN 1	TYPE: 18W RGBWA/UV	WEIGHT:
SPECIFICATION: 9PCS 18W 6 IN 1	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: 9PCS 18W 6 IN 1 ONLY White Amber (

AREA LUMINOUS FLUX

Report number: EL-RP20210721-2

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: 9PCS 18W 6 IN 1	TYPE: 18W RGBWA/UV	WEIGHT:
SPECIFICATION: 9PCS 18W 6 IN 1	DIMENSION:	SERIAL No.: 01

		AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a
		0.06	0.09	0.11	0.15	0.21	0.27	0.33	0.38	0.43	0.45	0.46	0.44	0.40	0.32	0.24	0.19	0.15	0.11	4.80	0.00	
VERTICAL (DEG)	27																					
	24	0.08	0.11	0.16	0.23	0.32	0.44	0.59	0.72	0.80	0.85	0.84	0.77	0.66	0.54	0.43	0.29	0.21	0.17	8.20	0.00	
	21	0.10	0.15	0.23	0.33	0.54	0.77	0.98	1.20	1.36	1.43	1.38	1.24	1.08	0.87	0.65	0.50	0.34	0.24	13.4	2.20	
	18	0.13	0.21	0.32	0.55	0.83	1.21	1.68	2.08	2.34	2.46	2.43	2.16	1.70	1.30	1.02	0.77	0.56	0.35	22.1	14.9	
	15	0.17	0.27	0.48	0.79	1.26	1.90	2.55	3.27	3.82	4.05	3.89	3.38	2.76	2.04	1.56	1.19	0.82	0.53	34.8	29.8	
	12	0.21	0.35	0.66	1.10	1.84	2.66	3.85	4.98	5.82	6.24	6.10	5.28	4.11	3.33	2.39	1.72	1.13	0.74	52.5	48.7	
	9	0.24	0.45	0.80	1.50	2.39	3.69	5.09	6.71	7.95	8.48	8.29	7.45	6.24	4.83	3.52	2.30	1.53	0.94	72.4	69.2	
		0.26	0.53	0.95	1.80	2.93	4.50	6.39	8.44	10.0	10.6	10.4	9.75	8.36	6.46	4.66	2.96	1.92	1.13	92.2	89.4	
		0.27	0.56	1.04	1.97	3.26	4.95	7.27	9.68	11.5	12.7	12.9	11.9	10.1	7.87	5.65	3.56	2.25	1.30	109	106	
		0.30	0.62	1.15	2.18	3.61	5.51	8.02	10.7	12.8	13.5	14.0	12.6	10.6	8.27	5.91	3.71	2.33	1.35	118	115	
		0.34	0.70	1.26	2.38	3.87	6.02	8.54	11.0	12.6	13.4	13.2	11.8	9.92	7.61	5.40	3.37	2.15	1.25	115	113	
		0.35	0.69	1.26	2.31	3.72	5.77	8.12	9.93	11.1	11.7	11.4	10.4	8.57	6.53	4.57	2.89	1.86	1.11	103	99.7	
	-9	0.34	0.61	1.17	1.99	3.30	4.84	6.60	8.11	9.13	9.55	9.27	8.29	6.83	5.21	3.52	2.40	1.51	0.94	83.6	80.6	
	-12	0.29	0.51	0.96	1.63	2.60	3.76	4.85	5.92	6.70	7.00	6.76	6.07	5.06	3.75	2.65	1.85	1.18	0.73	62.3	58.6	
	-15	0.22	0.42	0.69	1.23	1.87	2.62	3.48	4.19	4.67	4.87	4.72	4.21	3.38	2.61	1.95	1.32	0.89	0.52	43.9	39.6	
	-18	0.18	0.30	0.52	0.80	1.26	1.79	2.28	2.73	3.08	3.18	3.02	2.69	2.29	1.80	1.31	0.95	0.59	0.38	29.1	23.6	
-21	0.14	0.21	0.33	0.54	0.77	1.07	1.43	1.75	1.96	2.03	1.94	1.72	1.42	1.14	0.87	0.58	0.39	0.27	18.6	10.7		
-24	0.10	0.16	0.22	0.32	0.48	0.67	0.83	0.98	1.10	1.15	1.10	1.02	0.88	0.69	0.50	0.37	0.26	0.17	11.0	0.00		
-27																						
		-27	-24	-21	-18	-15	-12	-9	-6	HORIZONTAL (DEG)				6	9	12	15	18	21	24	27	
Φ t		3.78	6.92	12.3	21.8	35.1	52.4	72.9	92.9	108	114	112	101	84.5	65.2	46.8	30.9	20.1	12.2	1101		
Φ a		0.00	0.00	1.82	15.7	30.4	48.4	69.3	89.8	104	111	109	97.8	80.5	60.5	42.0	25.6	13.3	2.27		931	

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

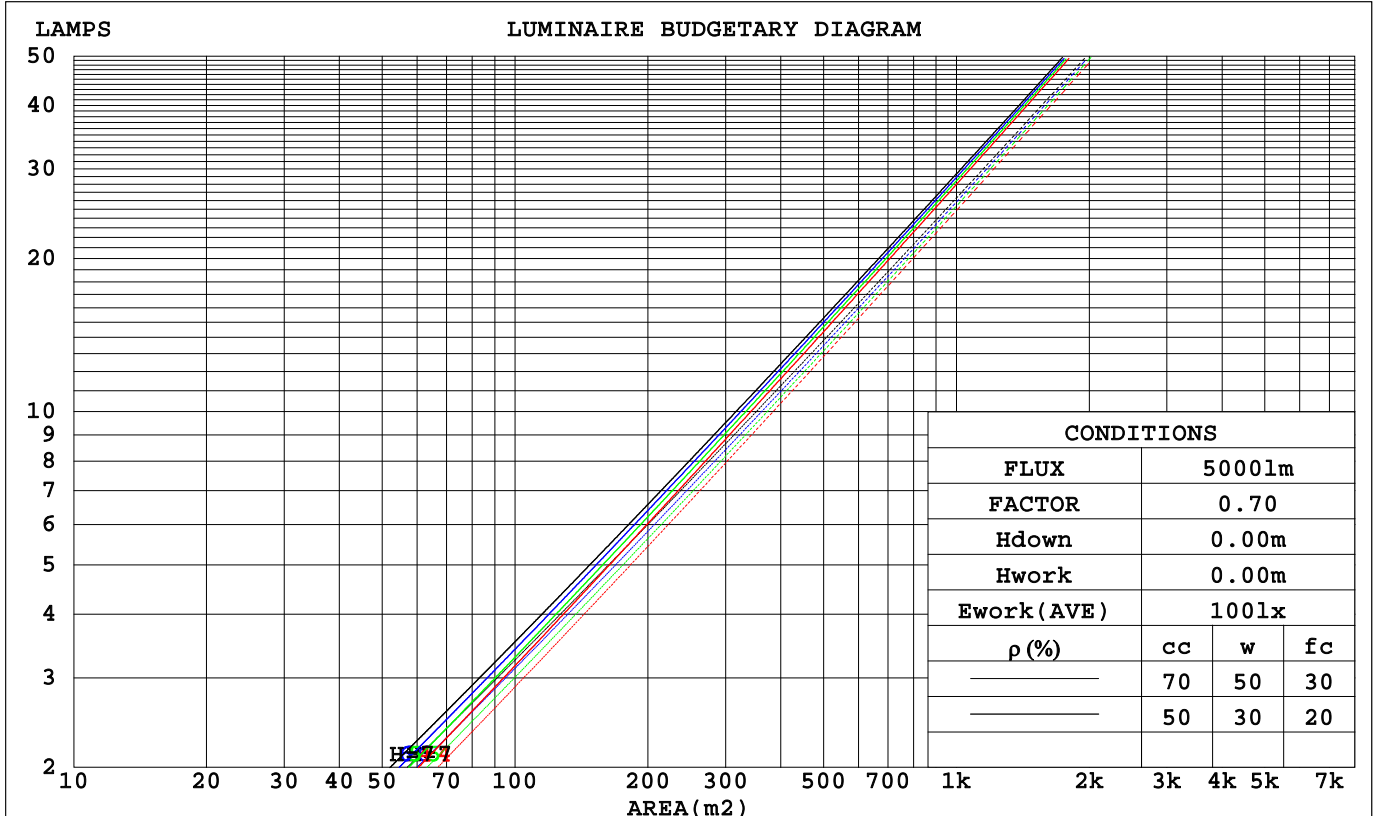
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 9PCS 18W 6 IN 1 ONLY White Amber (

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number: EL-RP20210721-2

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: 9PCS 18W 6 IN 1	TYPE: 18W RGBWA/UV	WEIGHT:
SPECIFICATION: 9PCS 18W 6 IN 1	DIMENSION:	SERIAL No.: 01

pcc	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.12	1.10	1.08	1.10	1.08	1.06	1.05	1.04	1.03	1.01	1.00	.99	.98	.97	.96	.94
2.0	1.07	1.03	1.01	1.05	1.02	.90	1.01	.99	.97	.98	.96	.95	.95	.94	.92	.91
3.0	1.02	.98	.95	1.00	.97	.94	.98	.95	.92	.95	.93	.91	.93	.91	.89	.88
4.0	.98	.94	.90	.96	.93	.90	.94	.91	.89	.92	.89	.87	.90	.88	.86	.85
5.0	.94	.90	.87	.93	.89	.86	.91	.88	.85	.89	.86	.84	.88	.85	.83	.82
6.0	.91	.86	.83	.90	.86	.83	.88	.85	.82	.87	.84	.81	.85	.83	.81	.80
7.0	.88	.83	.80	.87	.83	.80	.86	.82	.79	.84	.81	.79	.83	.80	.78	.77
8.0	.85	.80	.78	.84	.80	.77	.83	.79	.77	.82	.79	.77	.81	.78	.76	.75
9.0	.82	.78	.75	.82	.78	.75	.81	.77	.75	.80	.77	.74	.79	.76	.74	.73
10.0	.80	.76	.73	.79	.75	.73	.79	.75	.73	.78	.75	.72	.77	.74	.72	.71



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 Temperature:25.3DEG
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WEC AND CCEC

Report number: EL-RP20210721-2

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NAME: 9PCS 18W 6 IN 1	TYPE: 18W RGBWA/UV	WEIGHT:
SPECIFICATION: 9PCS 18W 6 IN 1	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	.142	.081	.026	.135	.077	.024	.121	.070	.022	.109	.063	.020	.097	.056	.018		
2.0	.132	.072	.022	.126	.069	.021	.114	.064	.020	.104	.058	.018	.094	.053	.017		
3.0	.123	.065	.020	.118	.063	.019	.108	.058	.018	.099	.054	.017	.091	.050	.016		
4.0	.115	.060	.018	.110	.058	.017	.102	.054	.016	.095	.051	.015	.087	.048	.014		
5.0	.108	.055	.016	.104	.054	.016	.097	.051	.015	.091	.048	.014	.084	.045	.014		
6.0	.102	.051	.015	.099	.050	.014	.093	.047	.014	.087	.045	.013	.081	.043	.013		
7.0	.097	.048	.014	.094	.047	.013	.089	.045	.013	.083	.043	.012	.079	.041	.012		
8.0	.092	.045	.013	.090	.044	.012	.085	.042	.012	.080	.041	.012	.076	.039	.011		
9.0	.088	.043	.012	.086	.042	.012	.081	.040	.011	.077	.039	.011	.074	.037	.011		
10.0	.084	.040	.011	.082	.040	.011	.078	.038	.011	.075	.037	.011	.071	.036	.010		

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	.207	.207	.207	.177	.177	.177	.121	.121	.121	.069	.069	.069	.022	.022	.022		
1.0	.186	.175	.165	.159	.150	.142	.109	.103	.098	.063	.060	.057	.020	.019	.018		
2.0	.168	.150	.134	.144	.129	.116	.099	.089	.081	.057	.052	.048	.018	.017	.015		
3.0	.153	.130	.112	.131	.113	.097	.090	.078	.068	.052	.046	.040	.017	.015	.013		
4.0	.141	.115	.096	.121	.100	.083	.083	.069	.058	.048	.041	.035	.015	.013	.011		
5.0	.131	.103	.083	.112	.089	.072	.077	.062	.051	.045	.037	.030	.014	.012	.010		
6.0	.122	.093	.073	.105	.081	.063	.072	.056	.045	.042	.033	.027	.014	.011	.009		
7.0	.114	.085	.065	.098	.074	.056	.068	.052	.040	.039	.030	.024	.013	.010	.008		
8.0	.108	.078	.058	.093	.068	.051	.064	.048	.036	.037	.028	.021	.012	.009	.007		
9.0	.102	.073	.053	.088	.063	.046	.061	.044	.033	.036	.026	.020	.012	.009	.006		
10.0	.097	.068	.049	.084	.059	.042	.058	.042	.030	.034	.025	.018	.011	.008	.006		

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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 Test Distance:8.000 m
 Remarks: 9PCS 18W 6 IN 1 ONLY White Amber (

Uncorrected UGR Table

Report number: EL-RP20210721-2

MANUFACTURER: Environmental Lights										
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A										
NAME: 9PCS 18W 6 IN 1					TYPE: 18W RGBWA/UV			WEIGHT:		
SPECIFICATION: 9PCS 18W 6 IN 1					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	-1.3	-0.6	-1.0	-0.4	-0.2	-2.6	-1.9	-2.3	-1.7	-1.5
3H	-0.8	-0.2	-0.5	0.0	0.3	-2.1	-1.5	-1.8	-1.3	-1.1
4H	-0.7	-0.1	-0.4	0.2	0.4	-2.0	-1.4	-1.7	-1.1	-0.9
6H	-0.5	0.0	-0.2	0.3	0.6	-1.9	-1.3	-1.6	-1.1	-0.8
8H	-0.5	0.1	-0.1	0.3	0.6	-1.9	-1.3	-1.5	-1.1	-0.8
12H	-0.4	0.1	-0.0	0.4	0.7	-1.8	-1.3	-1.5	-1.0	-0.7
4H 2H	-1.2	-0.7	-0.9	-0.4	-0.2	-2.4	-1.8	-2.1	-1.6	-1.3
3H	-0.7	-0.2	-0.3	0.1	0.4	-1.9	-1.4	-1.5	-1.1	-0.8
4H	-0.5	-0.0	-0.1	0.3	0.7	-1.7	-1.2	-1.3	-0.9	-0.5
6H	-0.3	0.1	0.1	0.5	0.9	-1.5	-1.1	-1.1	-0.7	-0.4
8H	-0.2	0.2	0.2	0.6	1.0	-1.5	-1.1	-1.1	-0.7	-0.3
12H	-0.0	0.3	0.4	0.7	1.2	-1.4	-1.0	-1.0	-0.6	-0.2
8H 4H	-0.5	-0.1	-0.1	0.2	0.7	-1.7	-1.3	-1.2	-0.9	-0.5
6H	-0.3	0.1	0.2	0.5	0.9	-1.5	-1.2	-1.0	-0.7	-0.3
8H	-0.1	0.2	0.4	0.6	1.1	-1.4	-1.1	-0.9	-0.7	-0.2
12H	0.1	0.3	0.6	0.8	1.3	-1.2	-1.0	-0.7	-0.5	-0.0
12H 4H	-0.6	-0.2	-0.1	0.2	0.6	-1.7	-1.3	-1.3	-0.9	-0.5
6H	-0.3	-0.0	0.2	0.4	0.9	-1.5	-1.2	-1.0	-0.8	-0.3
8H	-0.1	0.1	0.4	0.6	1.1	-1.4	-1.2	-0.9	-0.7	-0.2
Variations with the observer position at spacings:										
S = 1.0H	+ 1.5 / - 1.4					+ 1.1 / - 1.4				
1.5H	+ 3.1 / - 1.6					+ 2.4 / - 1.3				
2.0H	+ 2.4 / - 0.9					+ 1.6 / - 0.6				

CIE Pub.117 Corrected 1101 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.3)

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: 9PCS 18W 6 IN 1 ONLY White Amber (

UTILIZATION FACTORS TABLE

Report number: EL-RP20210721-2

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: 9PCS 18W 6 IN 1	TYPE: 18W RGBWA/UV	WEIGHT:
SPECIFICATION: 9PCS 18W 6 IN 1	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) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	79	88	83	79	87	82	79	76
0.80	96	90	87	95	90	87	94	89	86	83
1.00	100	95	91	99	94	91	97	94	90	86
1.25	104	99	95	102	98	95	100	97	94	90
1.50	106	102	98	105	101	98	102	99	97	92
2.00	108	105	101	107	103	101	104	101	99	93
2.50	110	106	104	108	105	103	105	102	100	94
3.00	112	108	106	110	107	104	106	104	102	95
4.00	114	111	109	111	109	107	107	106	104	97
5.00	115	113	111	112	111	109	108	107	106	97
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

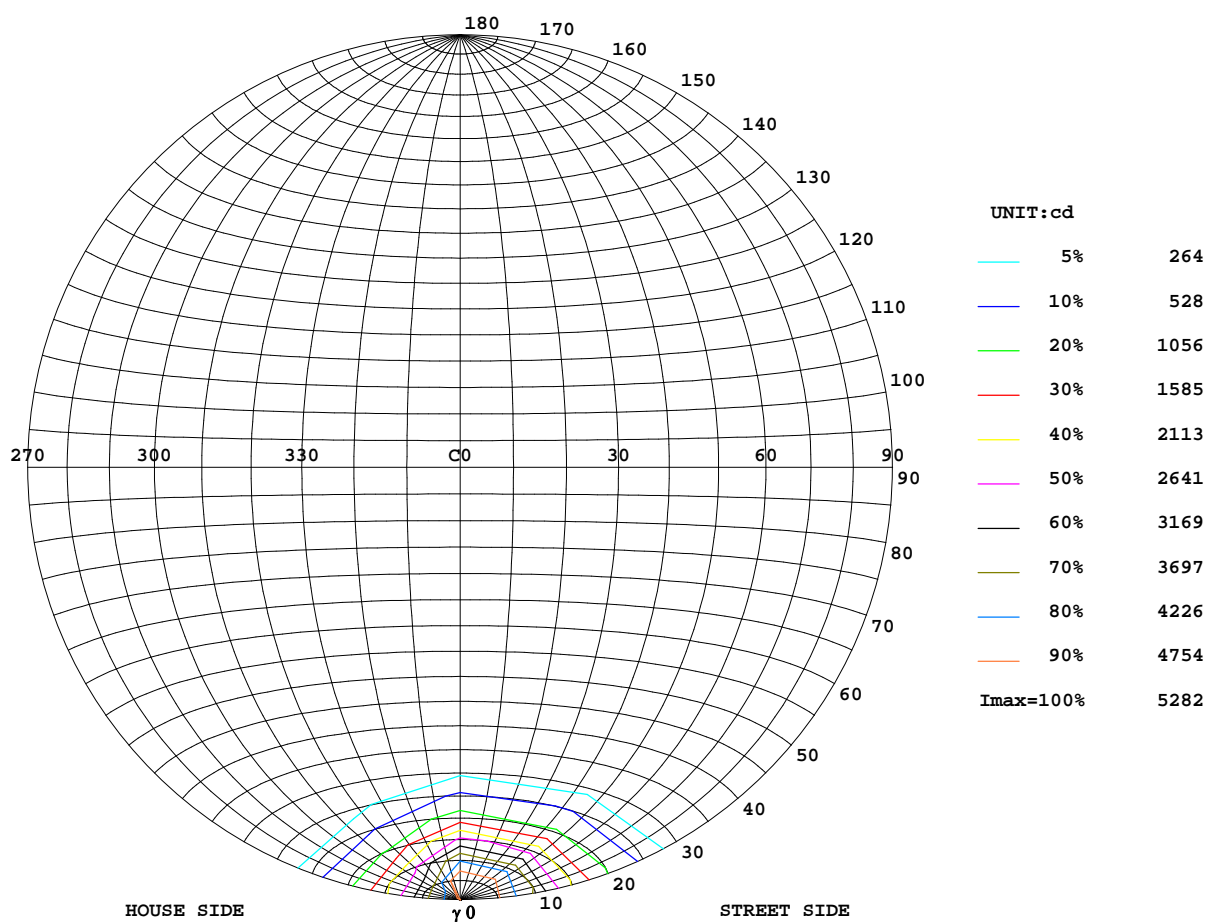
Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:RD
 Test Date:07-21-2021

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-RP20210721-2

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: 9PCS 18W 6 IN 1	TYPE: 18W RGBWA/UV	WEIGHT:
SPECIFICATION: 9PCS 18W 6 IN 1	DIMENSION:	SERIAL No.: 01



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

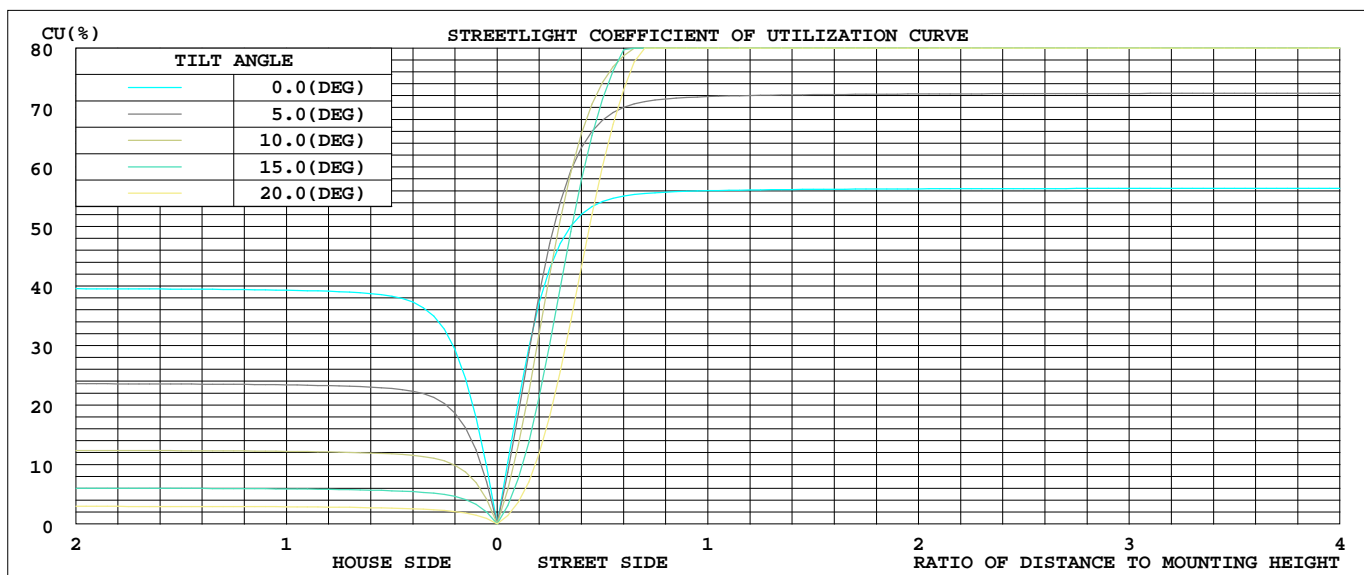
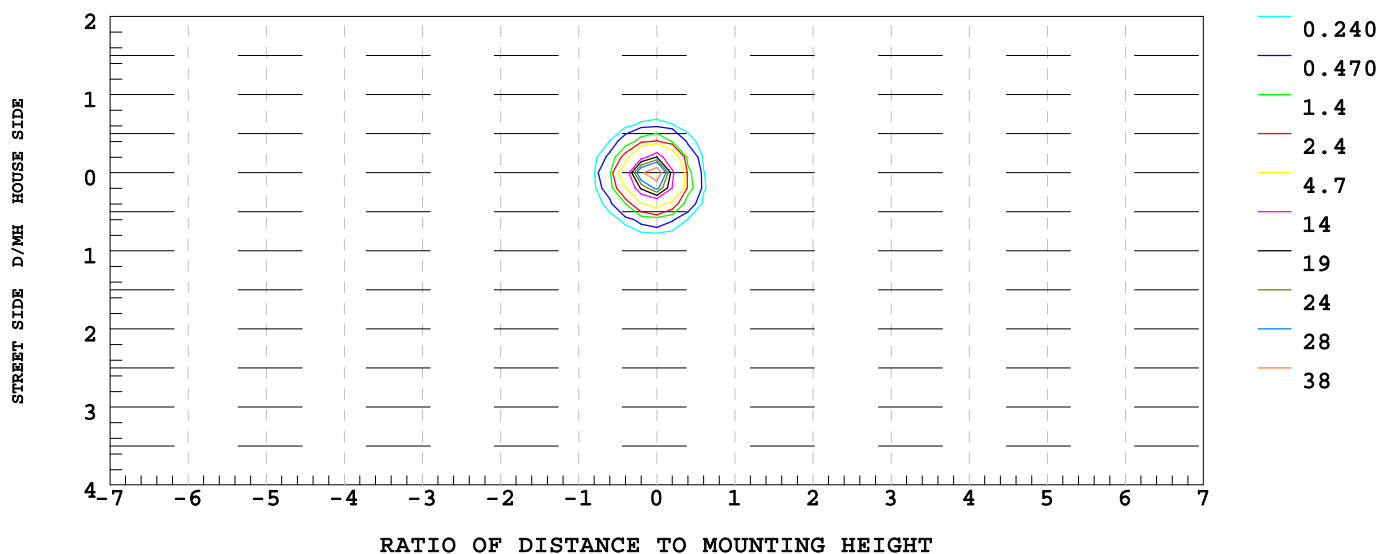
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks: 9PCS 18W 6 IN 1 ONLY White Amber (

ISOLUX DIAGRAM

Report number: EL-RP20210721-2

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: 9PCS 18W 6 IN 1	TYPE: 18W RGBWA/UV	WEIGHT:
SPECIFICATION: 9PCS 18W 6 IN 1	DIMENSION:	SERIAL No.: 01

ILLUMINANCE AT MH=10 m,Enadir = 47.48 lx



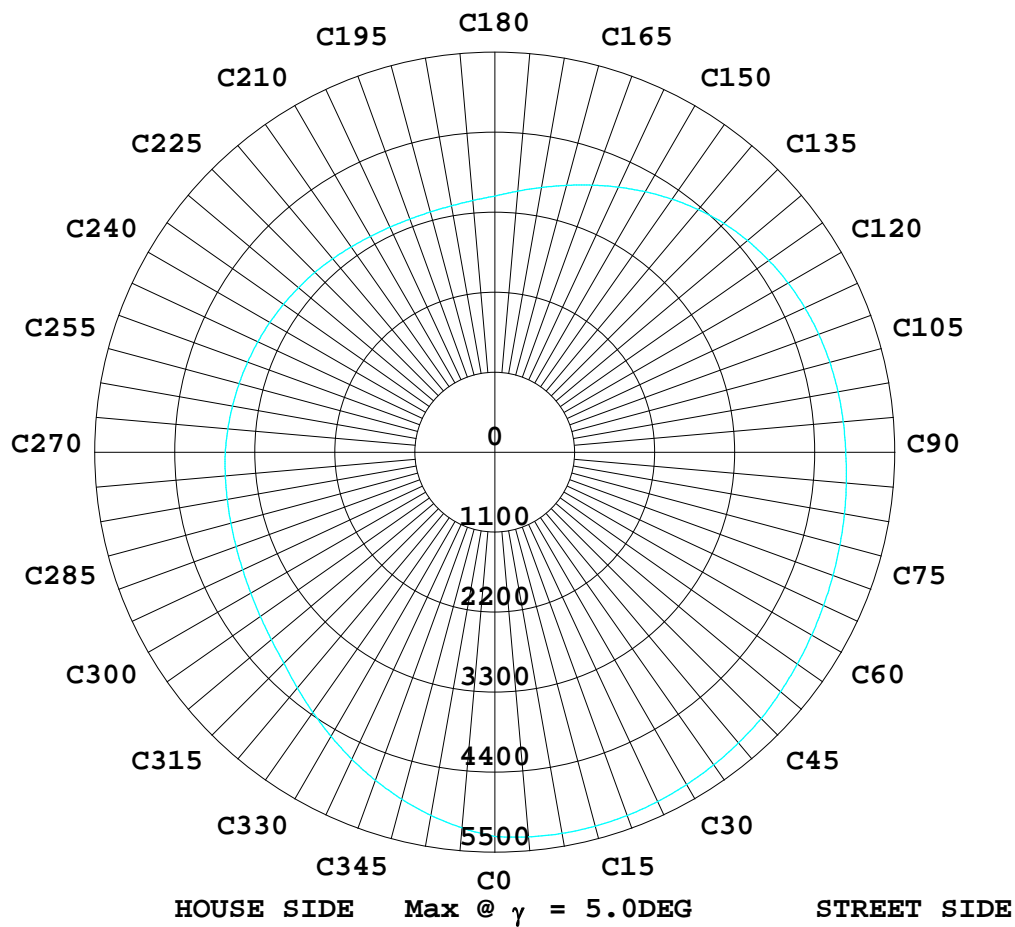
Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:RD
Test Date:07-21-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 9PCS 18W 6 IN 1 ONLY White Amber (

ISOCANDELA DIAGRAM

Report number: EL-RP20210721-2

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: 9PCS 18W 6 IN 1	TYPE: 18W RGBWA/UV	WEIGHT:
SPECIFICATION: 9PCS 18W 6 IN 1	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: 9PCS 18W 6 IN 1 ONLY White Amber (

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: EL-RP20210721-2

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: 9PCS 18W 6 IN 1	TYPE: 18W RGBWA/UV	WEIGHT:
SPECIFICATION: 9PCS 18W 6 IN 1	DIMENSION:	SERIAL No.: 01

UNIT: cd

C(DEG) γ (DEG)	0	45	90	135	180	225	270	315
0.0	4748	4744	4866	5115	4748	4744	4866	5115
5.0	5282	5179	4824	4454	3524	3502	3708	4102
10.0	4177	4070	3608	3213	1946	1988	2346	2901
15.0	2730	2468	2066	1740	949	923	1069	1406
20.0	1303	1137	1047	804	332	361	440	577
25.0	578	518	436	294	113	122	165	260
30.0	224	186	153	102	45.6	51.7	63.8	93.2
35.0	82.6	69.8	57.4	44.1	24.3	27.0	31.3	44.0
40.0	42.1	34.3	31.2	22.5	13.0	14.5	15.8	23.8
45.0	22.0	18.3	16.0	12.0	8.32	9.72	9.28	13.1
50.0	12.3	10.3	10.1	8.25	6.52	7.80	7.16	9.53
55.0	9.34	7.42	7.87	6.33	4.80	6.01	5.50	7.61
60.0	7.61	5.82	6.14	4.80	3.52	4.35	4.09	5.76
65.0	5.82	4.54	4.60	3.45	2.24	3.00	2.75	4.16
70.0	4.22	3.20	3.26	2.17	1.21	1.98	1.60	2.75
75.0	2.62	1.92	2.04	1.34	0.64	1.21	0.90	1.60
80.0	1.79	1.08	1.28	0.70	0.26	0.70	0.32	1.02
85.0	1.21	0.64	0.83	0.45	0.19	0.58	0.19	0.70
90.0	0.96	0.51	0.77	0.45	0.26	0.51	0.19	0.58
95.0	0.96	0.58	0.77	0.58	0.26	0.51	0.26	0.51
100.0	1.28	0.64	0.77	0.64	0.32	0.51	0.26	0.51
105.0	1.60	0.77	0.96	0.77	0.38	0.51	0.32	0.51
110.0	6.08	0.90	1.02	0.90	0.45	0.58	0.38	0.51
115.0	4.48	0.96	1.08	1.02	0.58	0.64	0.51	0.58
120.0	2.94	1.21	1.15	1.15	0.90	0.83	0.77	0.77
125.0	4.67	1.34	1.34	1.47	1.53	1.40	1.34	1.15
130.0	8.76	1.79	1.85	2.17	2.75	2.56	2.36	2.04
135.0	14.0	2.81	3.00	3.52	4.60	4.41	4.16	3.58
140.0	18.7	4.54	4.80	5.44	6.72	6.65	6.27	5.69
145.0	52.2	6.72	6.97	7.68	8.57	8.76	8.32	7.87
150.0	19.0	8.89	8.89	9.60	9.66	10.1	9.72	9.66
155.0	16.3	10.3	10.1	10.6	9.92	10.7	10.3	10.6
160.0	13.7	11.1	10.6	11.0	9.66	10.4	10.3	10.8
165.0	12.2	11.0	10.7	10.6	9.08	9.47	9.79	10.3
170.0	11.2	10.3	10.3	9.72	8.38	8.32	8.96	9.21
175.0	10.3	9.34	9.40	8.76	8.12	7.74	8.19	8.25
180.0	9.34	8.32	8.57	8.12	7.61	8.19	8.38	8.00

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