

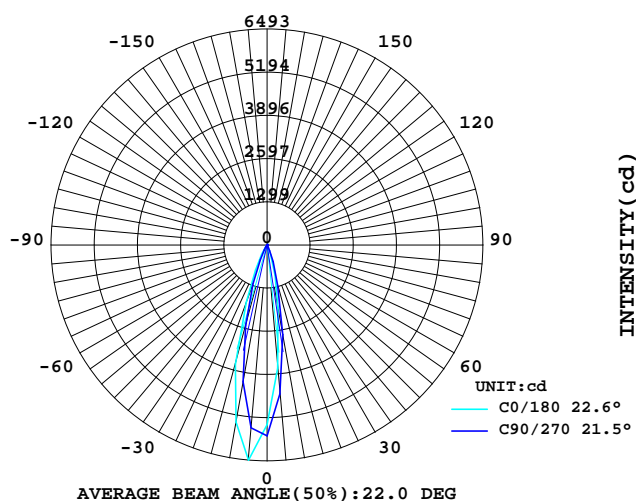
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: EL-RP20210721-1

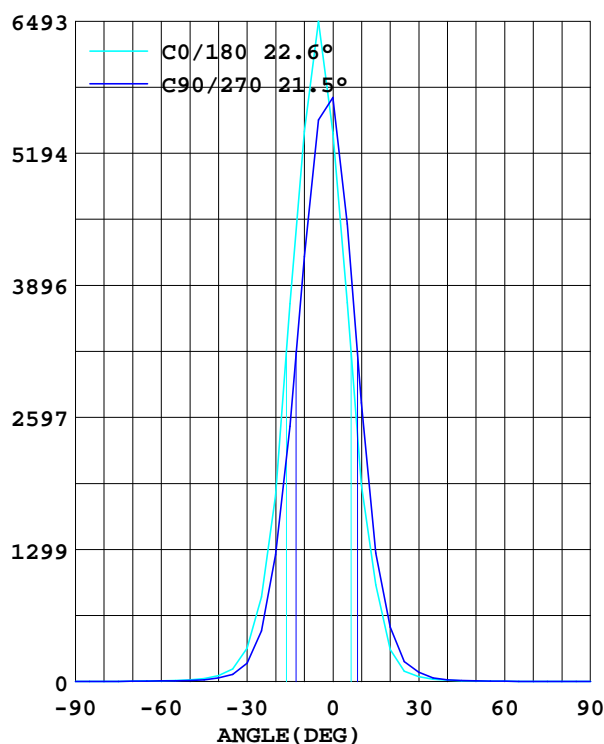
MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: 9PCS 18W 6 IN 1	TYPE: 18W RGBWA/UV	WEIGHT:
SPECIFICATION: 9PCS 18W 6 IN 1	DIMENSION:	SERIAL No.: 01

DATA OF LAMP		Imax(cd)	6493	S/MH(C0/180)	0.53
MODEL	18W 6 IN 1	EFFICIENCY(%)	100.0	S/MH(C90/270)	0.46
NOMINAL POWER(W)	/	TOTAL FLUX(lm)	1325.2	Voltage(V)	0
RATED VOLTAGE(V)	AC110	EFFICIENCY(lm/W)		Current(A)	0
NOMINAL FLUX(lm)	1325.3	$\eta$ up(%)	1.7	Power(W)	0
LAMPS QUANTITY	1	$\eta$ down(%)	98.3	Power Factor(PF)	0
TEST VOLTAGE(V)	0.0	Effective Flux(lm)	1081.6	EEI	0.000

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



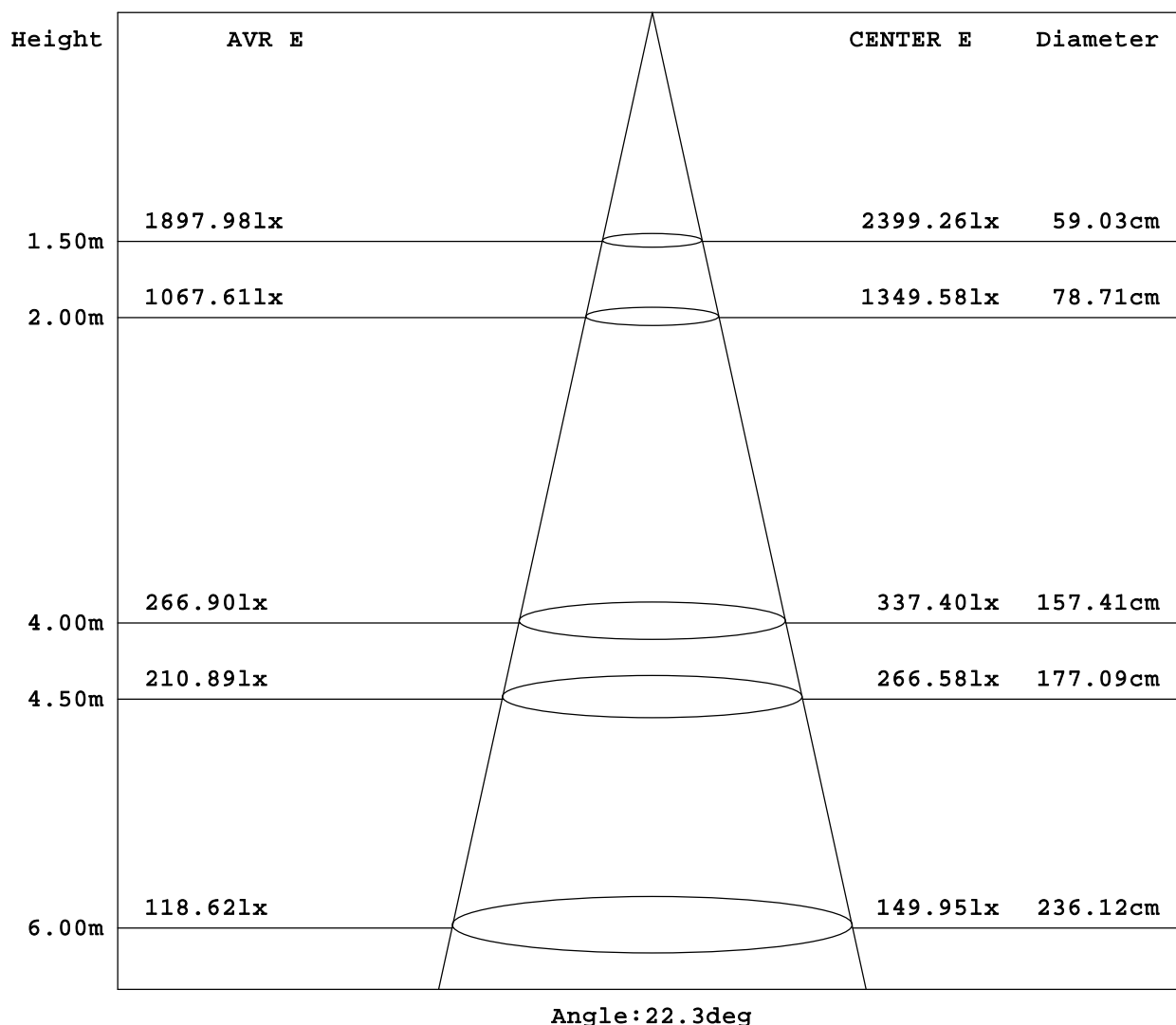
Test System:HOP00 HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:07-21-2021

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

# AVERAGE AND CENTER E Figure

Report number: EL-RP20210721-1

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:  
 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 RGB ON

## ZONAL FLUX DIAGRAM

Report number: EL-RP20210721-1

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

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	zone	total
10.0	5410	4940	4176	3546	1933	2071	2738	3739	0- 10	438.2	438.2
20.0	1834	1614	1249	959.6	316.5	363.7	537.0	861.5	10- 20	581.6	1020
30.0	328.9	264.6	182.1	98.17	48.83	51.32	94.14	132.1	20- 30	208.7	1229
40.0	57.91	44.73	34.94	22.59	12.67	14.78	17.98	33.34	30- 40	45.96	1275
50.0	16.12	11.77	11.26	8.832	7.296	8.512	7.936	11.00	40- 50	13.86	1288
60.0	8.448	6.592	6.720	5.184	4.096	4.800	4.544	6.720	50- 60	7.080	1295
70.0	4.736	3.520	3.520	2.304	1.216	2.048	1.664	3.008	60- 70	4.204	1300
80.0	2.048	1.152	1.344	0.704	0.320	0.768	0.320	1.088	70- 80	1.866	1302
90.0	0.896	0.512	0.768	0.448	0.256	0.576	0.192	0.576	80- 90	0.748	1302
100.0	0.960	0.640	0.896	0.640	0.320	0.576	0.320	0.512	90-100	0.620	1303
110.0	1.152	0.832	1.088	0.960	0.512	0.576	0.384	0.576	100-110	0.713	1304
120.0	1.152	1.088	1.280	1.344	1.088	1.024	0.832	0.768	110-120	0.882	1304
130.0	1.856	1.920	2.176	2.688	3.648	3.328	2.880	2.176	120-130	1.513	1306
140.0	4.672	5.120	5.696	6.912	8.768	8.384	7.552	6.400	130-140	3.427	1309
150.0	9.792	10.43	10.68	11.71	11.90	12.48	11.77	11.39	140-150	5.683	1315
160.0	12.73	13.44	12.92	13.18	11.71	12.54	12.60	13.12	150-160	5.653	1321
170.0	12.73	12.86	12.35	11.52	9.792	9.920	10.94	11.39	160-170	3.482	1324
180.0	10.81	10.30	10.43	9.792	10.75	10.17	10.30	9.792	170-180	1.039	1325
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOP00 HPG1800  
 Temperature:25.3DEG  
 Operators:  
 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 RGB ON

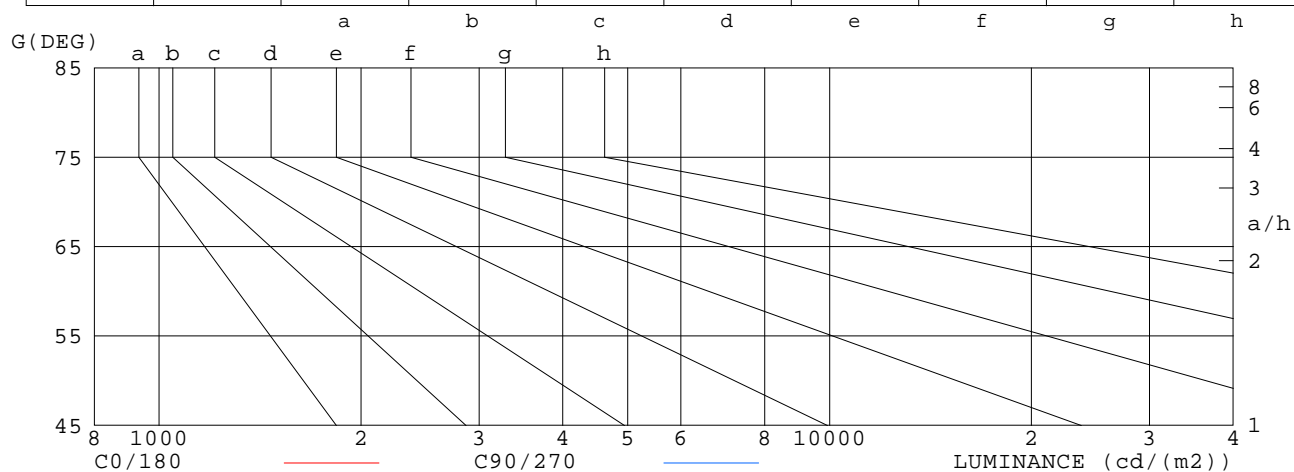
## LUMINANCE LIMITATION CURVES

Report number: EL-RP20210721-1

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	147	103
80	118	77
75	119	89
70	138	103
65	151	120
60	169	134
55	186	151
50	251	175
45	422	264

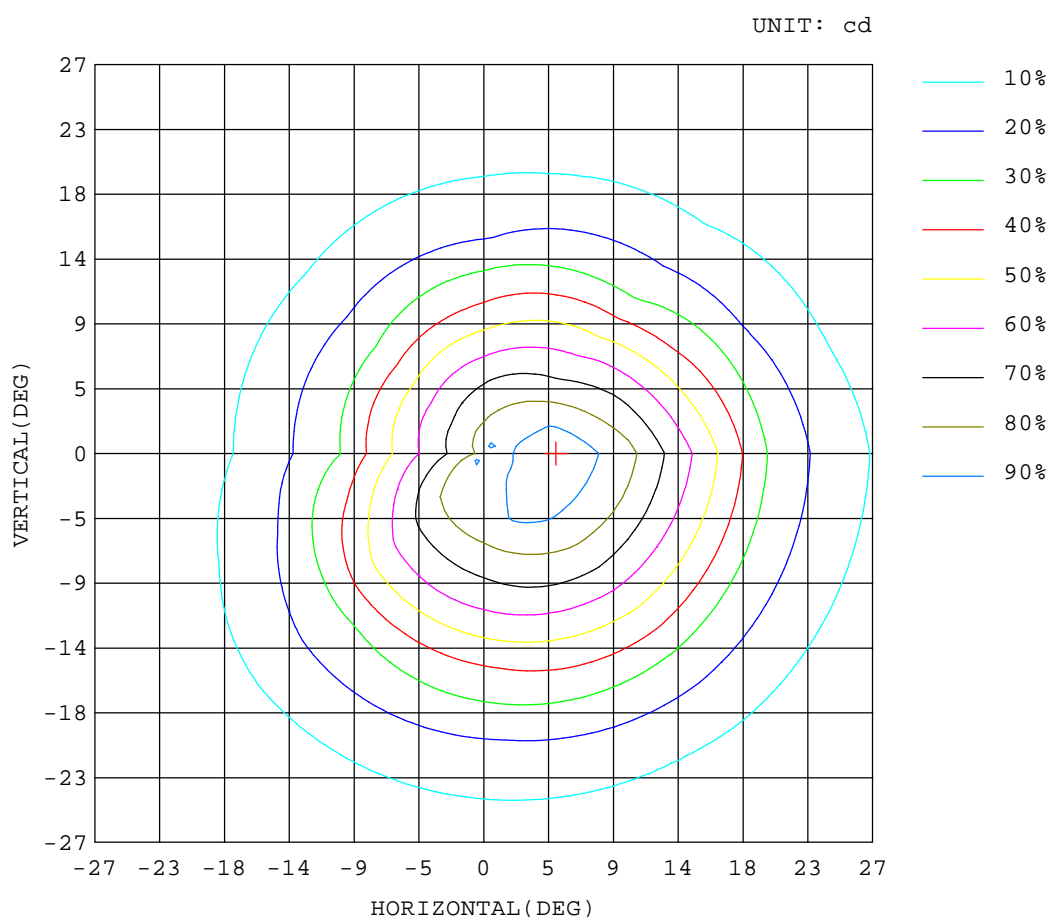
Test System:HOP00 HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:07-21-2021

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

# ISOCANDELA DIAGRAM

Report number: EL-RP20210721-1

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



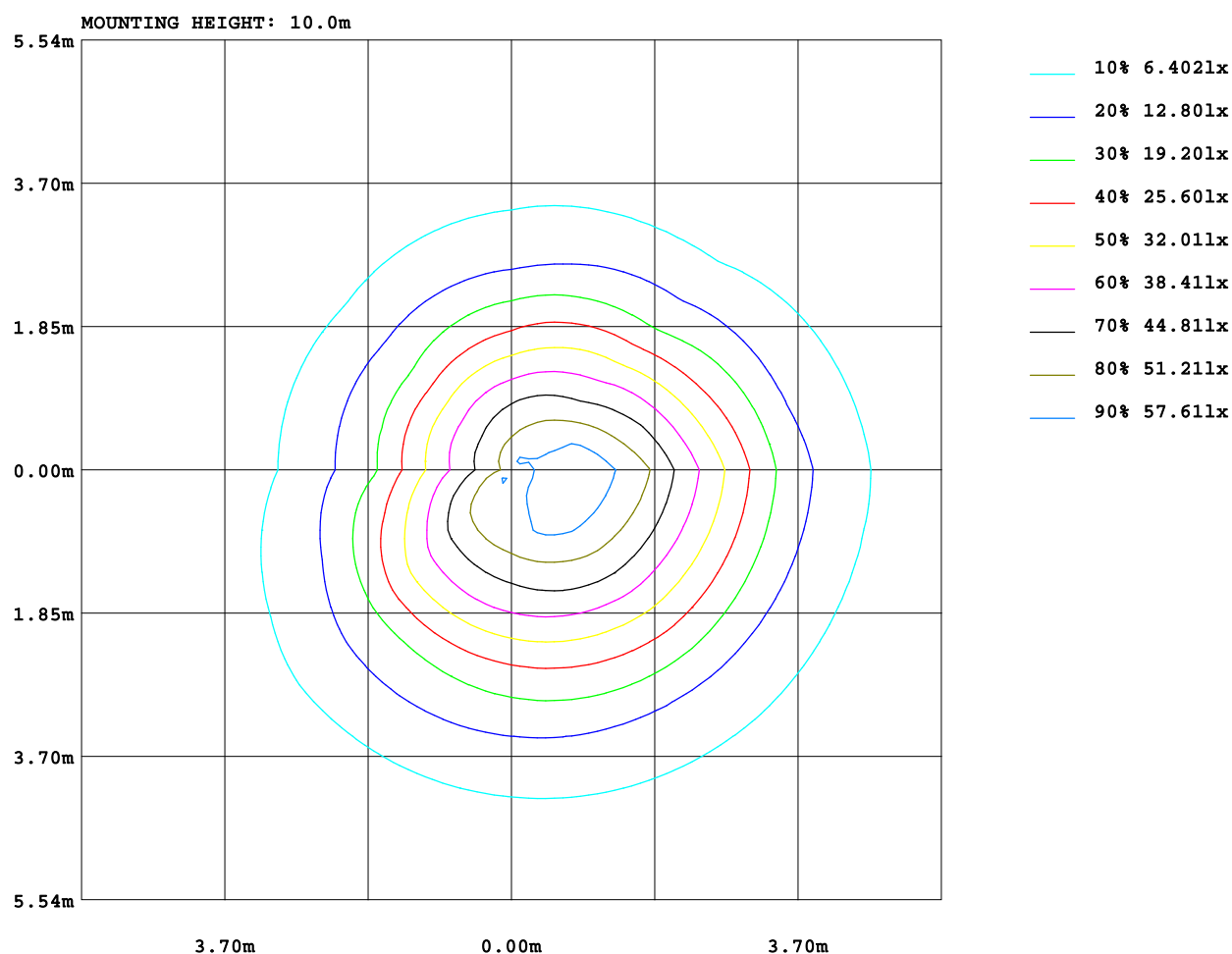
Test System:HOP00 HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:07-21-2021

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

# ISOLUX DIAGRAM

Report number: EL-RP20210721-1

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:  
 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 RGB ON

AREA LUMINOUS FLUX

Report number: EL-RP20210721-1

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

27	AREA FLUX DIAGRAM																	UNIT:lm			Φ t	Φ a
	0.07	0.09	0.12	0.17	0.23	0.30	0.38	0.44	0.51	0.55	0.56	0.55	0.51	0.43	0.34	0.27	0.21	0.16	5.88	0.00		
24	0.08	0.11	0.16	0.24	0.33	0.47	0.66	0.84	0.96	1.04	1.06	0.99	0.83	0.68	0.55	0.40	0.30	0.24	9.93	0.00		
21	0.11	0.15	0.22	0.32	0.55	0.83	1.10	1.39	1.63	1.78	1.80	1.69	1.49	1.16	0.82	0.64	0.48	0.35	16.5	3.15		
18	0.13	0.20	0.30	0.54	0.85	1.29	1.86	2.36	2.73	3.00	3.11	2.89	2.39	1.87	1.42	1.01	0.77	0.50	27.2	19.4		
15	0.16	0.25	0.46	0.78	1.28	1.98	2.75	3.65	4.42	4.88	4.91	4.46	3.81	2.95	2.26	1.65	1.10	0.75	42.5	36.6		
12	0.20	0.33	0.64	1.10	1.85	2.71	4.09	5.51	6.70	7.47	7.60	6.86	5.60	4.64	3.41	2.44	1.57	1.03	63.8	59.0		
9	0.22	0.42	0.78	1.49	2.41	3.77	5.33	7.44	9.30	10.3	10.4	9.62	8.27	6.61	4.92	3.28	2.16	1.33	88.1	84.3		
VERTICAL (DEG)	0.24	0.50	0.92	1.80	2.95	4.57	6.73	9.37	11.7	13.1	13.2	12.4	10.9	8.71	6.43	4.17	2.73	1.61	112	110		
	0.25	0.53	1.00	1.97	3.27	4.98	7.61	10.5	13.2	15.4	16.0	15.0	13.1	10.5	7.75	4.98	3.19	1.87	131	129		
	0.28	0.61	1.15	2.20	3.66	5.64	8.50	11.7	14.8	15.9	17.0	15.8	13.7	10.9	8.08	5.18	3.31	1.93	141	139		
	0.32	0.71	1.34	2.46	3.99	6.36	9.31	12.4	14.5	15.6	15.9	14.6	12.6	10.1	7.38	4.72	3.05	1.78	137	135		
-9	0.34	0.71	1.39	2.47	3.86	6.14	8.92	11.1	12.7	13.6	13.7	12.8	10.9	8.74	6.27	4.08	2.63	1.58	122	119		
-12	0.33	0.61	1.30	2.24	3.53	5.11	7.26	9.17	10.5	11.2	11.1	10.3	8.95	7.05	4.92	3.38	2.12	1.33	101	97.2		
-15	0.28	0.50	1.02	1.88	2.96	4.13	5.40	6.79	7.88	8.44	8.41	7.82	6.73	5.18	3.74	2.58	1.64	1.03	76.4	72.4		
-18	0.22	0.41	0.69	1.37	2.20	3.07	4.02	4.91	5.59	5.98	5.96	5.46	4.56	3.62	2.72	1.82	1.24	0.74	54.6	49.4		
-21	0.17	0.29	0.51	0.81	1.40	2.08	2.69	3.25	3.67	3.88	3.81	3.50	3.04	2.42	1.77	1.29	0.83	0.54	36.0	29.5		
-24	0.14	0.20	0.33	0.55	0.81	1.17	1.63	2.03	2.30	2.43	2.39	2.17	1.83	1.49	1.17	0.81	0.56	0.38	22.4	12.6		
-27	0.10	0.15	0.23	0.33	0.51	0.72	0.92	1.10	1.26	1.34	1.33	1.26	1.12	0.91	0.68	0.51	0.37	0.24	13.0	0.00		
-27    -24    -21    -18    -15    -12    -9    -6    HORIZONTAL (DEG)    6    9    12    15    18    21    24    27																						
Φ t	3.63	6.76	12.5	22.7	36.6	55.3	79.2	104	125	136	139	128	111	88.1	64.6	43.2	28.2	17.4	1325			
Φ a	0.00	0.00	0.00	14.2	30.2	50.2	74.6	100	121	132	135	124	106	83.3	59.2	36.8	20.4	6.88		1082		

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

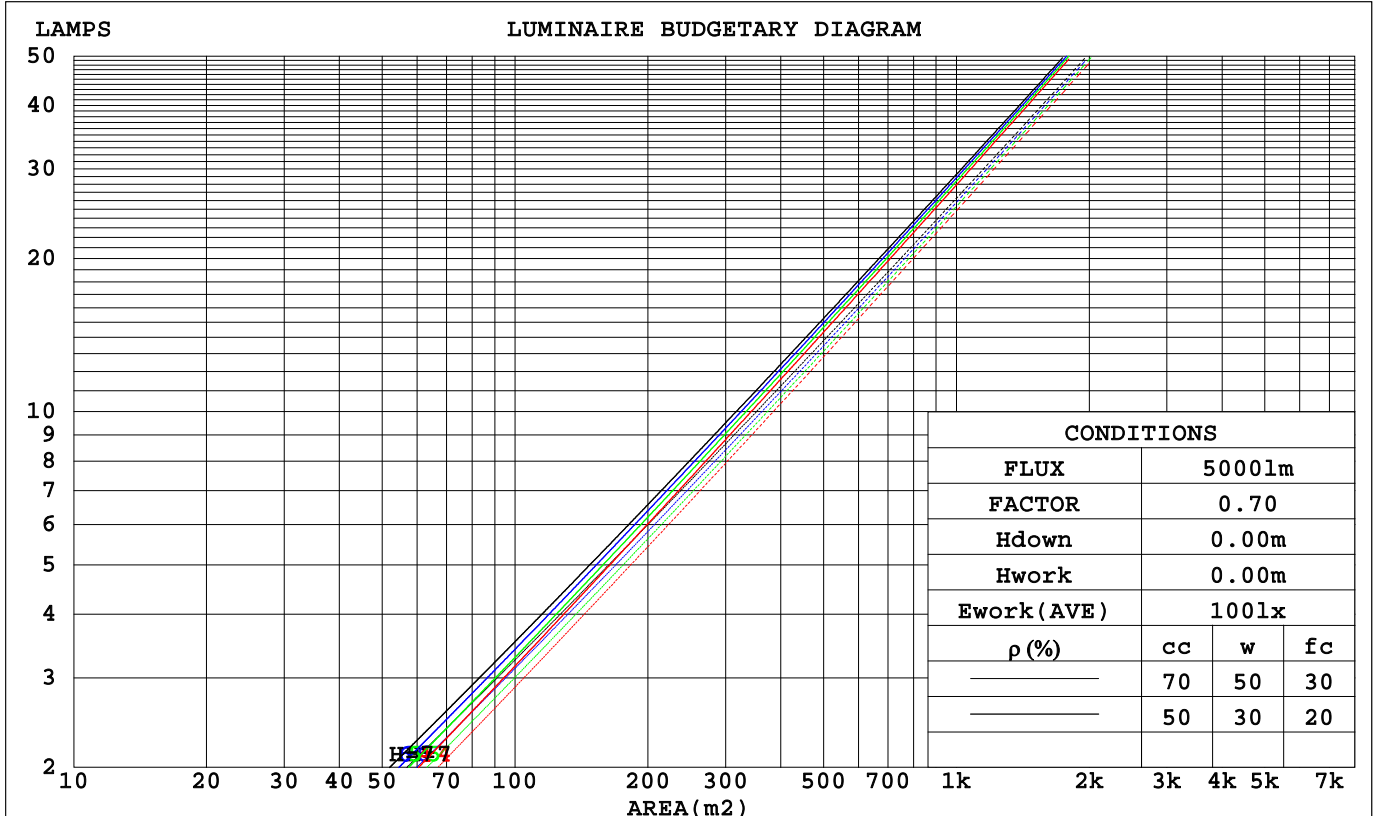
Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:8.000 m  
Remarks: 9PCS 18W 6 IN 1 ONLY RGB ON

# CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number: EL-RP20210721-1

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 <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p <sub>fc</sub>	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	1.07	1.06	1.04	1.03	1.02	1.01	.00	.98	.97	.96	.95
2.0	1.07	1.04	1.01	1.05	1.02	.00	1.01	.99	.97	.98	.97	.95	.95	.94	.93	.91
3.0	1.02	.98	.95	1.00	.97	.94	.98	.95	.93	.95	.93	.91	.93	.91	.89	.88
4.0	.98	.94	.90	.97	.93	.90	.94	.91	.89	.92	.90	.87	.90	.88	.86	.85
5.0	.94	.90	.87	.93	.89	.86	.91	.88	.85	.89	.87	.84	.88	.85	.84	.82
6.0	.91	.86	.83	.90	.86	.83	.88	.85	.82	.87	.84	.81	.86	.83	.81	.80
7.0	.87	.83	.80	.87	.83	.80	.86	.82	.79	.84	.81	.79	.83	.80	.78	.77
8.0	.85	.80	.77	.84	.80	.77	.83	.79	.77	.82	.79	.76	.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	.78	.75	.72	.78	.74	.72	.77	.74	.72	.71



Test System:HOP00 HPG1800  
 Temperature:25.3DEG  
 Operators:  
 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 RGB ON



## WEC AND CCEC

Report number: EL-RP20210721-1

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

$\rho_{cc}$	80%			70%			50%			30%			10%			0														
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
$\rho_{fc}$	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	.122	.070	.022	.109	.063	.020	.098	.057	.018															
2.0	.132	.072	.022	.126	.069	.021	.115	.064	.020	.104	.059	.018	.095	.054	.017															
3.0	.123	.065	.020	.118	.063	.019	.108	.059	.018	.100	.055	.017	.092	.051	.016															
4.0	.115	.060	.018	.111	.058	.017	.103	.055	.016	.095	.051	.015	.088	.048	.015															
5.0	.108	.055	.016	.105	.054	.016	.098	.051	.015	.091	.048	.014	.085	.046	.014															
6.0	.103	.051	.015	.099	.050	.014	.093	.048	.014	.088	.046	.013	.082	.043	.013															
7.0	.097	.048	.014	.095	.047	.013	.089	.045	.013	.084	.043	.013	.080	.041	.012															
8.0	.093	.045	.013	.090	.044	.013	.086	.043	.012	.081	.041	.012	.077	.040	.012															
9.0	.089	.043	.012	.086	.042	.012	.082	.041	.012	.078	.039	.011	.075	.038	.011															
10.0	.085	.041	.011	.083	.040	.011	.079	.039	.011	.076	.038	.011	.072	.036	.010															

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio                      Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.204	.204	.204	.174	.174	.174	.119	.119	.119	.068	.068	.068	.022	.022	.022	
1.0	.182	.171	.161	.156	.147	.139	.107	.101	.096	.061	.058	.056	.020	.019	.018	
2.0	.164	.146	.131	.141	.126	.113	.096	.087	.079	.056	.051	.046	.018	.016	.015	
3.0	.150	.127	.109	.128	.109	.094	.088	.076	.066	.051	.044	.039	.016	.014	.013	
4.0	.137	.112	.092	.118	.096	.080	.081	.067	.056	.047	.039	.033	.015	.013	.011	
5.0	.127	.099	.079	.109	.086	.069	.075	.060	.048	.044	.035	.029	.014	.012	.009	
6.0	.118	.089	.069	.102	.077	.060	.070	.054	.042	.041	.032	.025	.013	.010	.008	
7.0	.111	.081	.061	.095	.071	.053	.066	.049	.038	.038	.029	.022	.012	.010	.007	
8.0	.104	.075	.054	.090	.065	.047	.062	.045	.034	.036	.027	.020	.012	.009	.007	
9.0	.099	.069	.049	.085	.060	.043	.059	.042	.030	.034	.025	.018	.011	.008	.006	
10.0	.094	.064	.045	.081	.056	.039	.056	.039	.028	.033	.023	.017	.011	.008	.005	

Test System:HOP00 HPG1800  
 Temperature:25.3DEG  
 Operators:  
 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 RGB ON

## Uncorrected UGR Table

Report number: EL-RP20210721-1

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	0.2	0.8	0.4	1.0	1.2	-1.9	-1.2	-1.7	-1.1	-0.9
3H	0.4	1.1	0.7	1.3	1.5	-1.6	-0.9	-1.3	-0.7	-0.5
4H	0.5	1.1	0.8	1.4	1.6	-1.4	-0.8	-1.2	-0.6	-0.4
6H	0.6	1.2	0.9	1.5	1.7	-1.4	-0.8	-1.1	-0.6	-0.3
8H	0.7	1.2	1.0	1.5	1.8	-1.4	-0.8	-1.1	-0.6	-0.3
12H	0.7	1.2	1.0	1.5	1.8	-1.3	-0.8	-1.0	-0.5	-0.2
4H 2H	0.1	0.7	0.4	0.9	1.2	-1.8	-1.2	-1.5	-1.0	-0.8
3H	0.5	1.0	0.8	1.3	1.6	-1.4	-0.9	-1.0	-0.6	-0.3
4H	0.6	1.1	1.0	1.4	1.7	-1.2	-0.7	-0.8	-0.4	-0.1
6H	0.8	1.2	1.2	1.5	1.9	-1.1	-0.7	-0.7	-0.3	0.1
8H	0.8	1.2	1.2	1.6	2.0	-1.1	-0.7	-0.7	-0.3	0.1
12H	0.9	1.3	1.3	1.7	2.1	-1.0	-0.6	-0.6	-0.2	0.2
8H 4H	0.5	0.9	1.0	1.3	1.7	-1.2	-0.8	-0.8	-0.4	-0.0
6H	0.7	1.0	1.2	1.5	1.9	-1.1	-0.7	-0.6	-0.3	0.1
8H	0.8	1.1	1.3	1.5	2.0	-1.0	-0.7	-0.5	-0.3	0.2
12H	1.0	1.2	1.4	1.7	2.2	-0.9	-0.6	-0.4	-0.2	0.3
12H 4H	0.5	0.9	0.9	1.3	1.7	-1.2	-0.9	-0.8	-0.5	-0.1
6H	0.7	1.0	1.2	1.4	1.9	-1.1	-0.8	-0.6	-0.4	0.1
8H	0.8	1.0	1.3	1.5	2.0	-1.0	-0.8	-0.5	-0.3	0.2
Variations with the observer position at spacings:										
S = 1.0H	+ 1.9 / - 1.9					+ 1.3 / - 1.6				
1.5H	+ 3.6 / - 2.1					+ 2.7 / - 1.5				
2.0H	+ 3.3 / - 1.0					+ 1.8 / - 0.7				

CIE Pub.117 Corrected 1325 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.0)

Test System:HOP00 HPG1800  
Temperature:25.3DEG  
Operators:  
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 RGB ON

## UTILIZATION FACTORS TABLE

Report number: EL-RP20210721-1

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	80	89	83	80	88	83	79	76
0.80	96	91	87	96	90	87	94	90	87	83
1.00	100	95	92	99	94	91	98	94	91	87
1.25	104	99	96	103	98	95	101	97	94	90
1.50	106	102	99	105	101	98	103	99	97	92
2.00	109	105	102	107	104	101	104	101	99	94
2.50	110	107	104	109	105	103	105	103	101	95
3.00	112	109	106	110	107	105	106	104	102	96
4.00	114	111	109	112	109	108	108	106	105	97
5.00	115	113	111	113	111	109	108	107	106	98
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

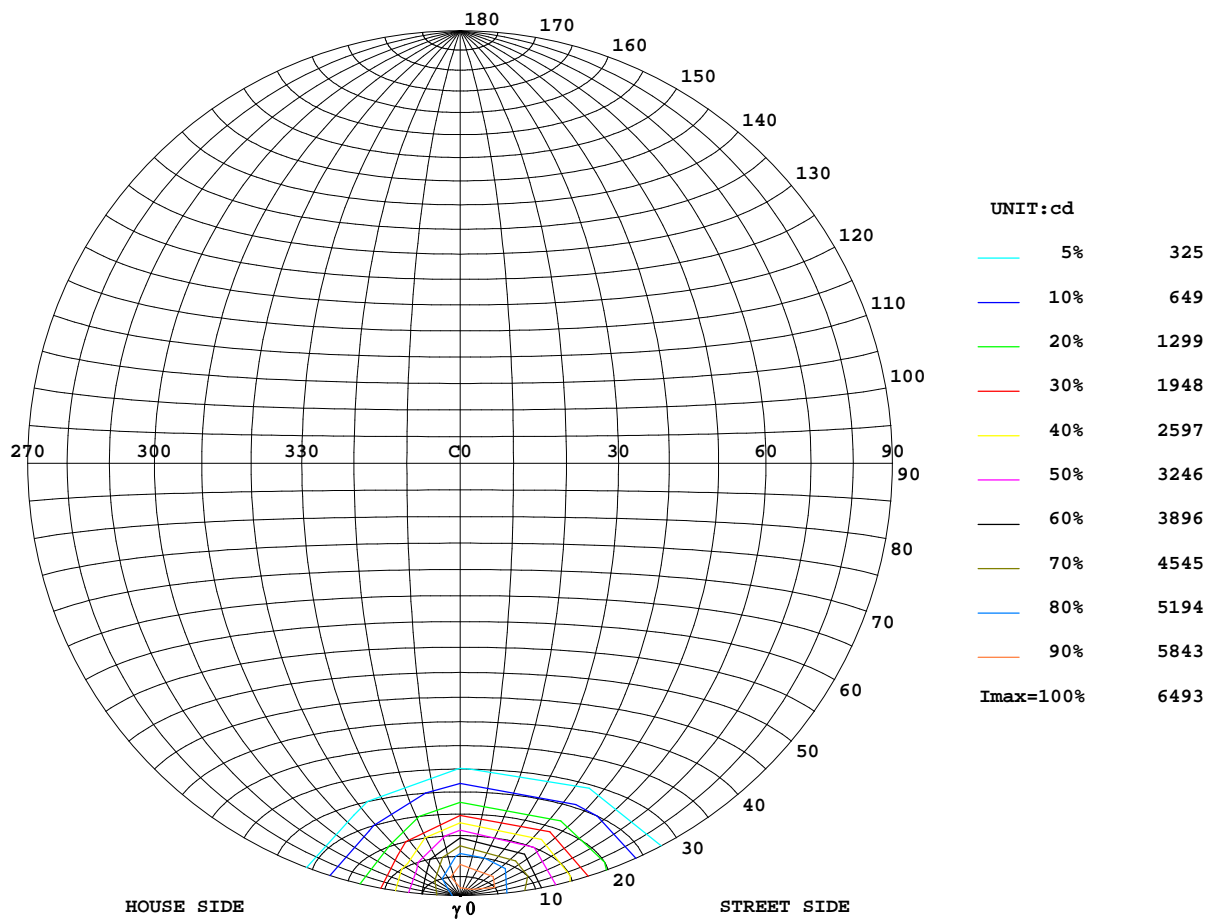
Test System:HOP00 HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:07-21-2021

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

# ISOCANDELA DIAGRAM

Report number: EL-RP20210721-1

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:  
 Test Date:07-21-2021

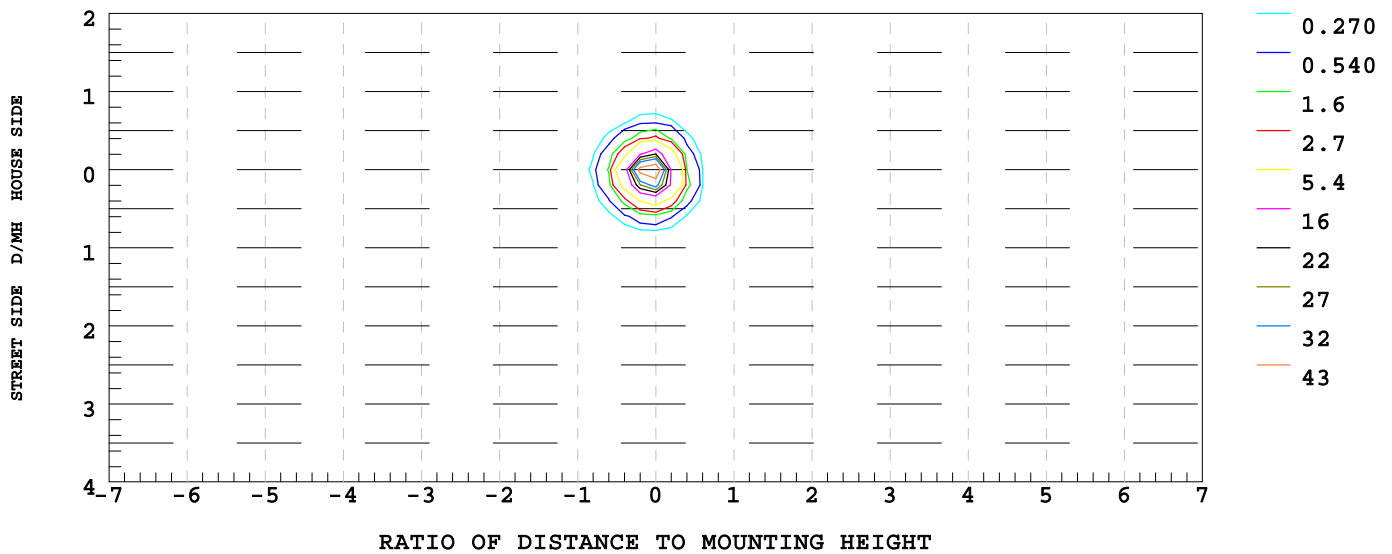
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.000 m  
 Remarks: 9PCS 18W 6 IN 1 ONLY RGB ON

# ISOLUX DIAGRAM

Report number: EL-RP20210721-1

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 = 53.98 lx



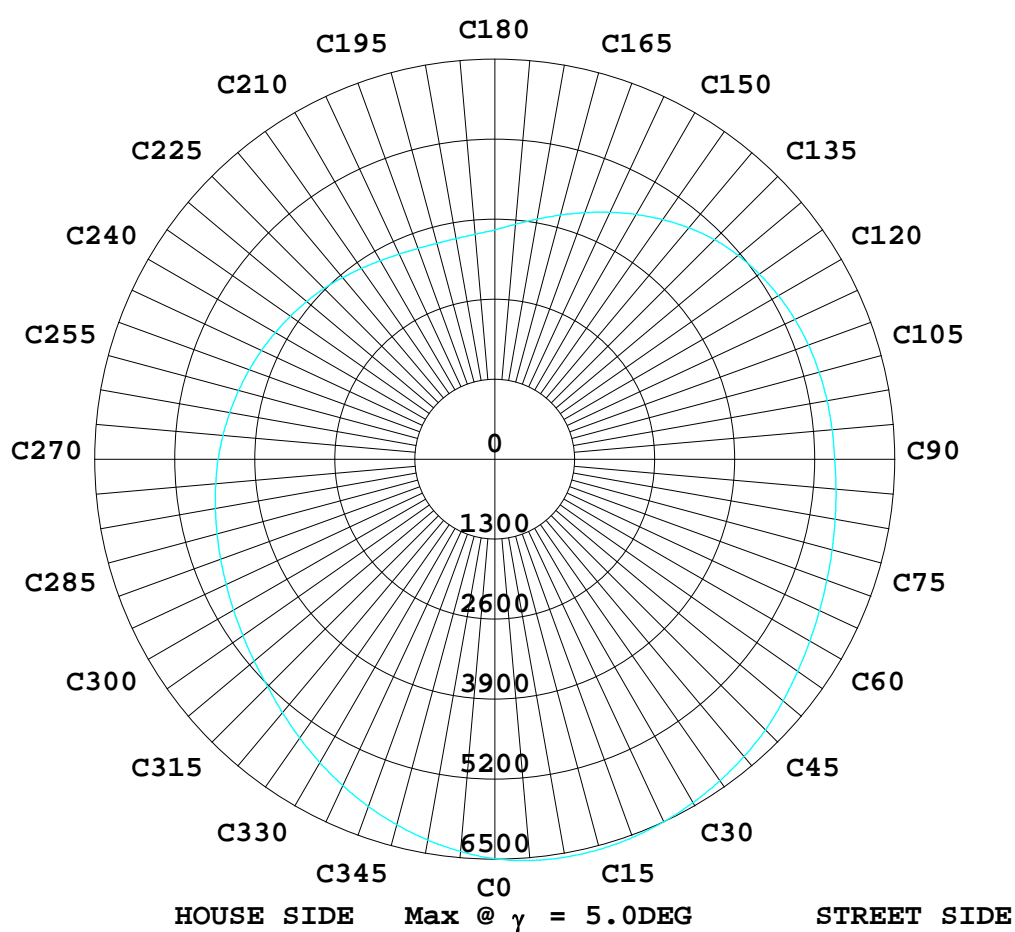
Test System:HOP00 HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:07-21-2021

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

# ISOCANDELA DIAGRAM

Report number: EL-RP20210721-1

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:  
 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 RGB ON

## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: EL-RP20210721-1

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(°)	0	45	90	135	180	225	270	315
γ (°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0
0.0	5398	5527	5741	6070	5398	5527	5741	6070
5.0	6493	6222	5520	5050	3726	3929	4498	5222
10.0	5410	4940	4176	3546	1933	2071	2738	3739
15.0	3715	3265	2510	1806	952	933	1263	1936
20.0	1834	1614	1249	960	317	364	537	862
25.0	831	701	497	288	103	113	196	323
30.0	329	265	182	98.1	48.8	51.3	94.1	132
35.0	125	96.3	69.6	42.3	23.9	27.6	35.3	60.9
40.0	57.9	44.7	34.9	22.5	12.6	14.7	17.9	33.3
45.0	29.8	22.1	18.6	12.6	8.76	10.2	10.3	16.3
50.0	16.1	11.7	11.2	8.83	7.29	8.51	7.93	11.0
55.0	10.6	8.51	8.64	7.10	5.50	6.52	6.14	8.76
60.0	8.44	6.59	6.72	5.18	4.09	4.80	4.54	6.72
65.0	6.40	4.99	5.05	3.77	2.43	3.20	2.94	4.67
70.0	4.73	3.52	3.52	2.30	1.21	2.04	1.66	3.00
75.0	3.07	2.17	2.30	1.34	0.64	1.21	0.90	1.79
80.0	2.04	1.15	1.34	0.70	0.32	0.77	0.32	1.08
85.0	1.28	0.64	0.90	0.45	0.26	0.58	0.19	0.70
90.0	0.90	0.51	0.77	0.45	0.26	0.58	0.19	0.58
95.0	0.90	0.51	0.83	0.58	0.32	0.58	0.26	0.58
100.0	0.96	0.64	0.90	0.64	0.32	0.58	0.32	0.51
105.0	1.02	0.77	0.96	0.83	0.38	0.51	0.32	0.51
110.0	1.15	0.83	1.08	0.96	0.51	0.58	0.38	0.58
115.0	1.21	0.96	1.15	1.15	0.64	0.70	0.51	0.58
120.0	1.15	1.08	1.28	1.34	1.08	1.02	0.83	0.77
125.0	1.40	1.40	1.53	1.72	1.98	1.79	1.53	1.15
130.0	1.85	1.92	2.17	2.68	3.64	3.32	2.88	2.17
135.0	2.88	3.07	3.52	4.41	6.08	5.63	4.92	3.90
140.0	4.67	5.12	5.69	6.91	8.76	8.38	7.55	6.40
145.0	7.23	7.74	8.38	9.60	10.8	10.9	10.1	9.15
150.0	9.79	10.4	10.6	11.7	11.9	12.4	11.7	11.3
155.0	11.7	12.3	12.2	12.9	12.0	13.0	12.6	12.7
160.0	12.7	13.4	12.9	13.1	11.7	12.5	12.6	13.1
165.0	12.9	13.5	12.9	12.6	10.8	11.3	11.9	12.5
170.0	12.7	12.8	12.3	11.5	9.79	9.92	10.9	11.3
175.0	12.0	11.6	11.3	10.3	9.72	9.47	10.1	10.1
180.0	10.8	10.3	10.4	9.79	10.7	10.1	10.3	9.79

Test System:HOP00 HPG1800  
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