

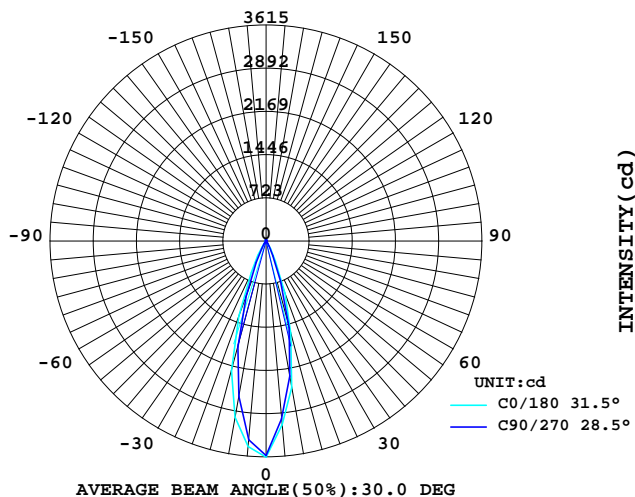
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: EL-RP20210722-1

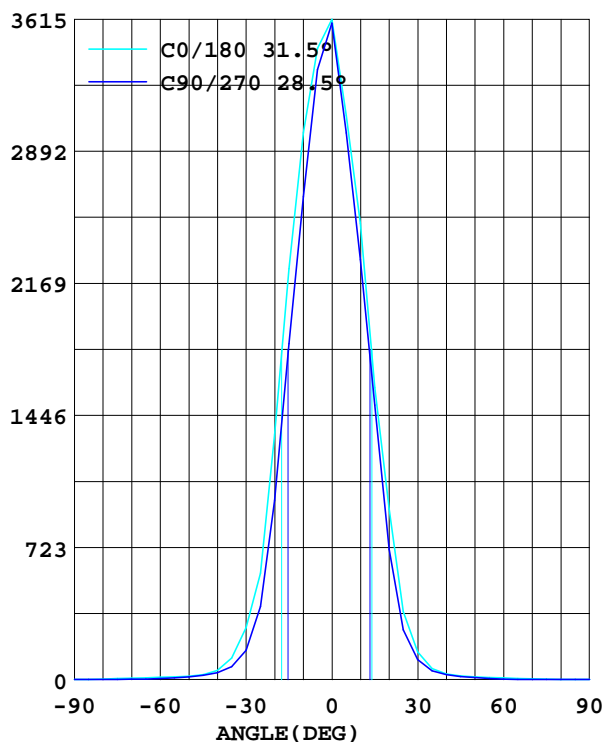
MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: LED WALL WASHER	TYPE: 9X10W RGBWY/UV	WEIGHT:
SPECIFICATION: 9X10W Only RGB ON	DIMENSION:	SERIAL No.: 01

DATA OF LAMP		Imax(cd)	3636	S/MH(C0/180)	0.55
MODEL	RGBWY/UV	EFFICIENCY(%)	100.0	S/MH(C90/270)	0.50
NOMINAL POWER(W)	0	TOTAL FLUX(lm)	1103.2	Voltage(V)	0
RATED VOLTAGE(V)	AC110	EFFICIENCY(lm/W)		Current(A)	0
NOMINAL FLUX(lm)	1103.2	$\eta$ up(%)	3.5	Power(W)	0
LAMPS QUANTITY	1	$\eta$ down(%)	96.5	Power Factor(PF)	0
TEST VOLTAGE(V)	0.0	Effective Flux(lm)	921.8	EEI	0.000

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



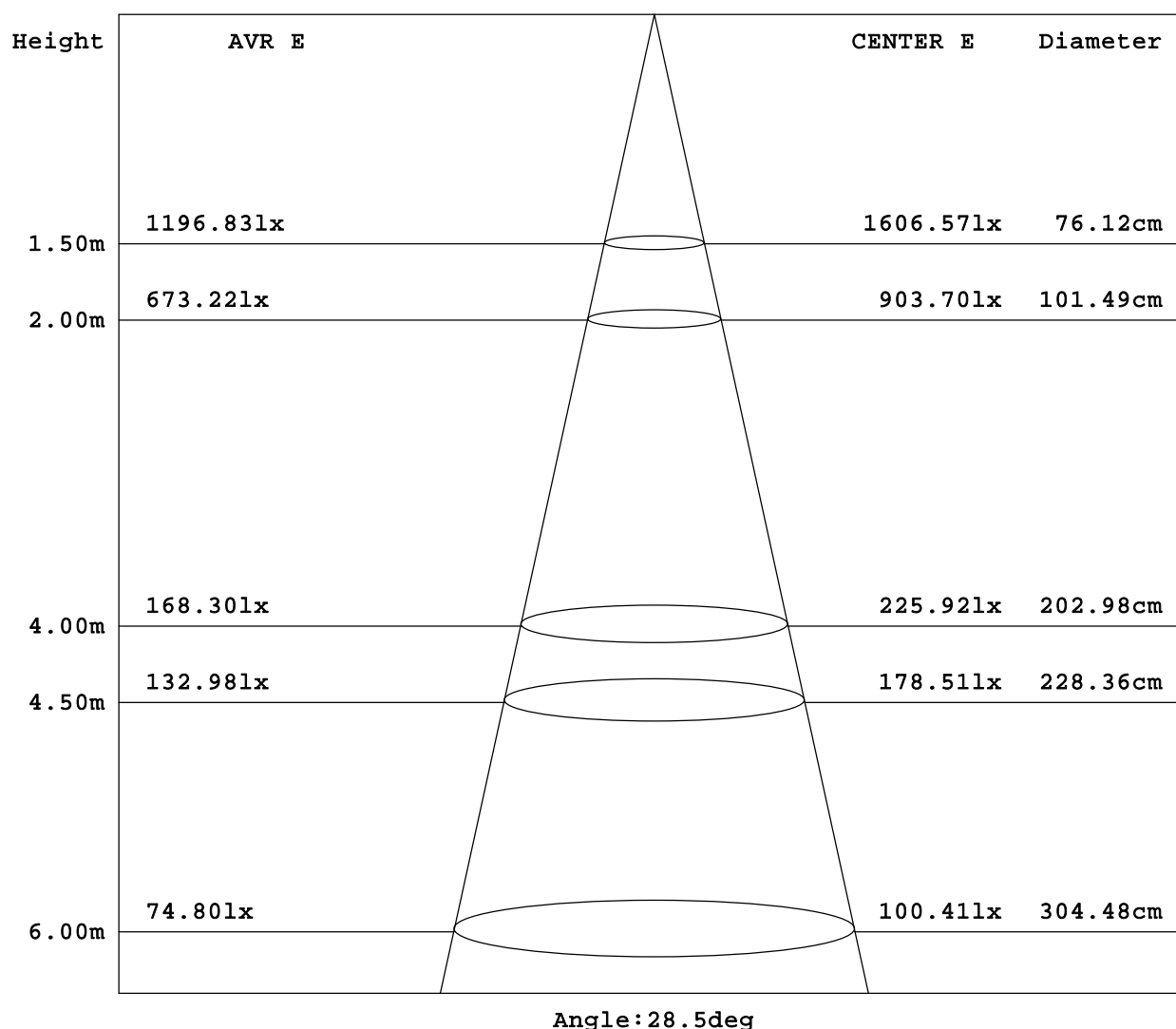
Test System:HOP00 HPG1800  
Temperature:25.3DEG  
Operators:RD  
Test Date:07-22-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:8.000 m  
Remarks: 9X10W Only RGB ON

# AVERAGE AND CENTER E Figure

Report number: EL-RP20210722-1

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: LED WALL WASHER	TYPE: 9X10W RGBWY/UV	WEIGHT:
SPECIFICATION: 9X10W Only RGB ON	DIMENSION:	SERIAL No.: 01



Test System:HOP00 HPG1800  
Temperature:25.3DEG  
Operators:RD  
Test Date:07-22-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:8.000 m  
Remarks: 9X10W Only RGB ON

## ZONAL FLUX DIAGRAM

Report number: EL-RP20210722-1

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: LED WALL WASHER	TYPE: 9X10W RGBWY/UV	WEIGHT:
SPECIFICATION: 9X10W Only RGB ON	DIMENSION:	SERIAL No.: 01

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	zone	total
10.0	2993	2724	2643	2830	2496	2342	2298	2527	0- 10	290.4	290.4
20.0	1339	947.8	980.6	1119	932.2	569.6	712.3	768.8	10- 20	480.8	771.2
30.0	284.0	159.8	159.8	186.6	151.8	116.3	109.3	120.4	20- 30	205.6	976.9
40.0	50.04	37.18	37.37	38.08	31.42	32.38	27.32	29.82	30- 40	51.71	1029
50.0	18.11	15.80	15.29	16.12	14.40	14.65	10.94	14.01	40- 50	17.96	1047
60.0	12.41	8.640	5.568	9.664	9.216	7.360	2.944	8.000	50- 60	9.979	1057
70.0	7.360	2.048	1.920	3.072	4.224	1.856	0.768	1.984	60- 70	5.024	1062
80.0	3.136	1.024	1.344	0.960	1.088	1.024	0.512	0.960	70- 80	2.127	1064
90.0	1.344	0.960	1.216	0.960	0.512	0.768	0.448	0.768	80- 90	1.081	1065
100.0	1.280	1.088	1.216	1.024	0.576	0.768	0.576	0.768	90-100	0.971	1066
110.0	1.664	1.344	1.408	1.472	0.768	0.896	0.704	0.832	100-110	1.048	1067
120.0	3.968	3.584	3.328	3.840	1.344	1.280	1.152	1.344	110-120	1.660	1068
130.0	10.94	11.13	10.88	11.26	3.072	2.688	2.624	3.072	120-130	3.974	1072
140.0	20.41	21.69	21.76	21.56	6.144	5.952	5.888	6.336	130-140	7.980	1080
150.0	24.89	25.47	25.72	26.36	9.024	9.344	9.472	9.472	140-150	9.972	1090
160.0	21.56	19.84	19.77	21.82	9.984	10.68	10.94	10.68	150-160	7.823	1098
170.0	15.10	12.67	12.73	13.95	9.792	9.920	10.36	9.856	160-170	3.921	1102
180.0	11.26	9.984	10.43	10.17	10.68	9.664	9.984	9.920	170-180	1.050	1103
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOP00 HPG1800  
 Temperature:25.3DEG  
 Operators:RD  
 Test Date:07-22-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.000 m  
 Remarks: 9X10W Only RGB ON

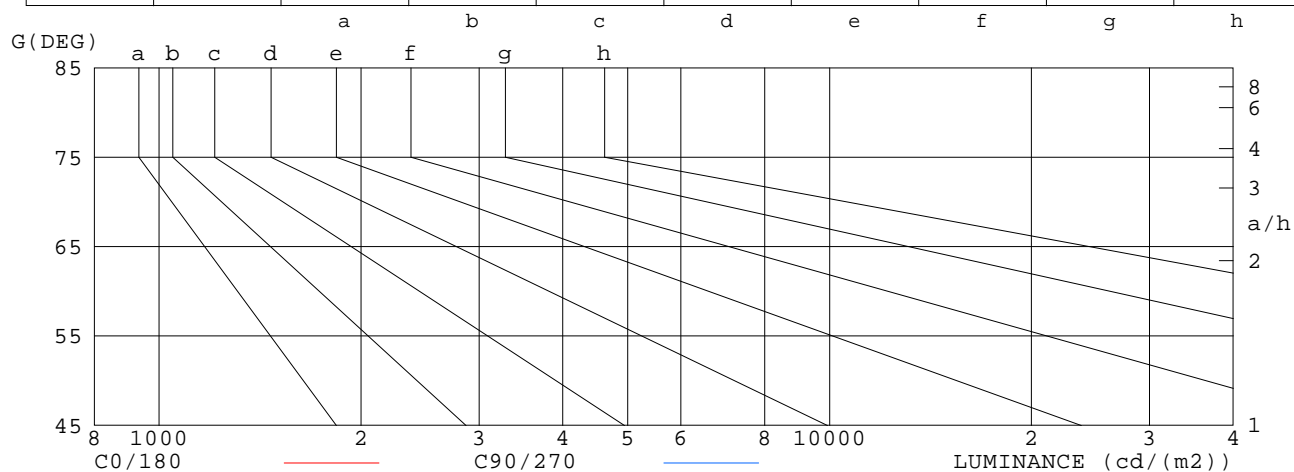
## LUMINANCE LIMITATION CURVES

Report number: EL-RP20210722-1

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: LED WALL WASHER	TYPE: 9X10W RGBWY/UV	WEIGHT:
SPECIFICATION: 9X10W Only RGB 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	198	140
80	181	77
75	218	59
70	215	56
65	236	73
60	248	111
55	245	172
50	282	238
45	386	331

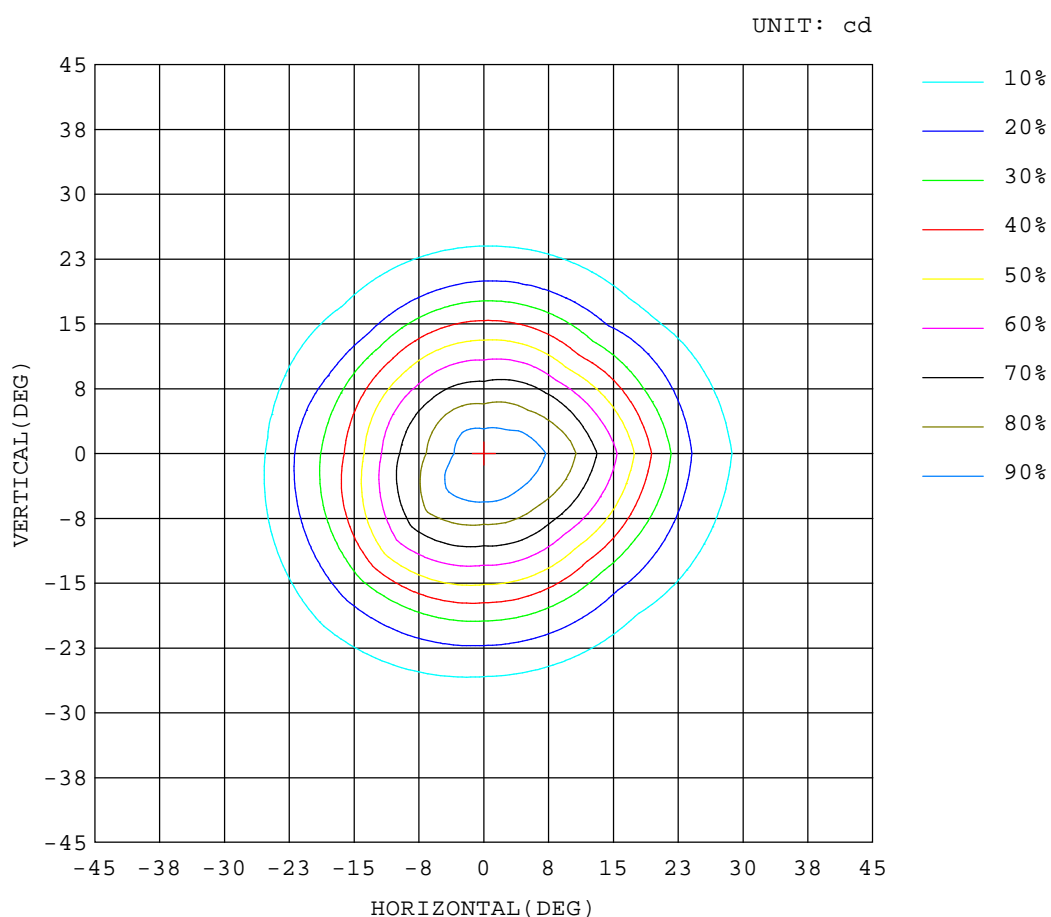
Test System:HOP00 HPG1800  
Temperature:25.3DEG  
Operators:RD  
Test Date:07-22-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:8.000 m  
Remarks: 9X10W Only RGB ON

## ISOCANDELA DIAGRAM

Report number: EL-RP20210722-1

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: LED WALL WASHER	TYPE: 9X10W RGBWY/UV	WEIGHT:
SPECIFICATION: 9X10W Only RGB ON	DIMENSION:	SERIAL No.: 01



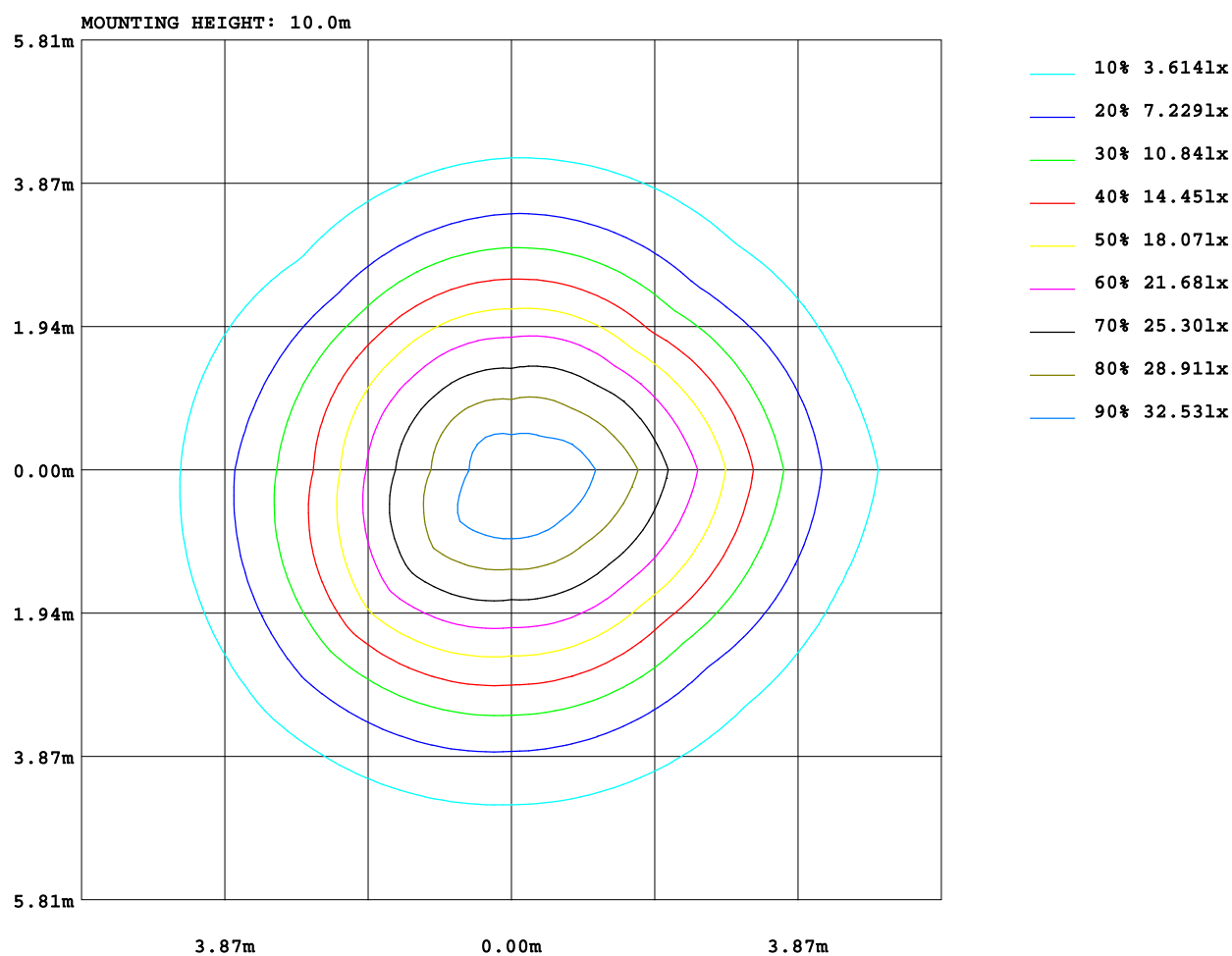
Test System:HOP00 HPG1800  
Temperature:25.3DEG  
Operators:RD  
Test Date:07-22-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:8.000 m  
Remarks: 9X10W Only RGB ON

# ISOLUX DIAGRAM

Report number: EL-RP20210722-1

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: LED WALL WASHER	TYPE: 9X10W RGBWY/UV	WEIGHT:
SPECIFICATION: 9X10W Only RGB ON	DIMENSION:	SERIAL No.: 01



Test System:HOP00 HPG1800  
 Temperature:25.3DEG  
 Operators:RD  
 Test Date:07-22-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.000 m  
 Remarks: 9X10W Only RGB ON

# AREA LUMINOUS FLUX

Report number: EL-RP20210722-1

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: LED WALL WASHER	TYPE: 9X10W RGBWY/UV	WEIGHT:
SPECIFICATION: 9X10W Only RGB ON	DIMENSION:	SERIAL No.: 01

45	AREA FLUX DIAGRAM																	UNIT:1m			Φ t	Φ a
	0.05	0.07	0.09	0.10	0.12	0.14	0.15	0.17	0.17	0.17	0.16	0.15	0.13	0.11	0.10	0.08	0.07	0.06	2.09	0.00		
40	0.07	0.08	0.11	0.14	0.17	0.21	0.25	0.28	0.29	0.29	0.27	0.24	0.20	0.16	0.13	0.10	0.08	0.07	3.15	0.00		
35	0.08	0.10	0.14	0.19	0.26	0.35	0.45	0.54	0.60	0.60	0.54	0.44	0.33	0.25	0.18	0.14	0.11	0.08	5.37	0.00		
30	0.09	0.12	0.18	0.28	0.43	0.64	0.92	1.22	1.41	1.43	1.26	0.95	0.64	0.40	0.28	0.19	0.13	0.10	10.7	0.00		
25	0.10	0.15	0.25	0.42	0.72	1.23	1.95	2.83	3.55	3.67	3.10	2.16	1.34	0.78	0.48	0.29	0.18	0.11	23.3	11.0		
20	0.11	0.19	0.33	0.66	1.28	2.26	3.83	6.20	8.02	8.23	6.86	4.71	2.76	1.60	0.88	0.45	0.24	0.14	48.7	40.1		
15	0.13	0.22	0.45	0.99	2.11	4.07	7.51	11.6	14.0	14.3	12.2	8.72	5.49	2.87	1.45	0.69	0.32	0.16	87.6	80.6		
VERTICAL (DEG)	0.14	0.26	0.57	1.38	3.23	6.66	11.8	16.7	19.7	20.1	18.1	13.8	8.92	4.60	2.14	0.97	0.41	0.19	130	124		
	0.14	0.28	0.66	1.68	4.25	8.65	14.5	20.2	24.2	24.8	22.7	18.0	11.9	6.20	2.72	1.20	0.49	0.21	163	158		
	0.15	0.28	0.69	1.78	4.59	9.36	15.5	21.5	25.5	26.0	23.3	18.5	12.2	6.31	2.76	1.22	0.49	0.21	171	165		
	0.14	0.27	0.64	1.62	4.06	8.62	14.5	20.1	22.5	22.3	19.6	15.1	9.64	4.89	2.24	1.01	0.43	0.20	148	143		
	0.13	0.24	0.53	1.26	3.00	6.55	11.3	15.3	17.0	16.7	14.4	10.3	6.32	3.20	1.59	0.76	0.34	0.17	109	103		
	0.12	0.20	0.40	0.88	1.95	3.99	6.82	9.33	10.6	10.4	8.64	5.93	3.39	1.89	1.02	0.52	0.26	0.14	66.5	59.3		
	0.11	0.17	0.29	0.56	1.11	2.06	3.27	4.52	5.21	5.07	4.16	2.84	1.74	1.01	0.61	0.34	0.19	0.12	33.4	23.7		
	0.09	0.14	0.21	0.35	0.60	0.97	1.43	1.89	2.12	2.07	1.77	1.30	0.88	0.57	0.36	0.22	0.15	0.10	15.2	1.13		
	0.08	0.11	0.16	0.23	0.34	0.48	0.65	0.80	0.87	0.86	0.78	0.63	0.46	0.33	0.22	0.16	0.12	0.09	7.35	0.00		
	0.07	0.09	0.12	0.16	0.21	0.26	0.33	0.38	0.41	0.41	0.38	0.33	0.26	0.20	0.15	0.12	0.09	0.07	4.05	0.00		
-45	0.06	0.08	0.10	0.12	0.14	0.17	0.20	0.22	0.23	0.23	0.22	0.19	0.17	0.14	0.11	0.09	0.08	0.06	2.60	0.00		
-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)				10	15	20	25	30	35	40	45			
Φ t	1.86	3.06	5.91	12.8	28.6	56.7	95.6	134	157	158	139	105	66.9	35.5	17.4	8.58	4.16	2.29	1103			
Φ a	0.00	0.00	0.00	0.00	18.6	48.9	88.7	128	151	152	132	97.6	59.1	27.1	5.87	0.00	0.00	0.00			922	

Test System:HOP00 HPG1800  
 Temperature:25.3DEG  
 Operators:RD  
 Test Date:07-22-2021

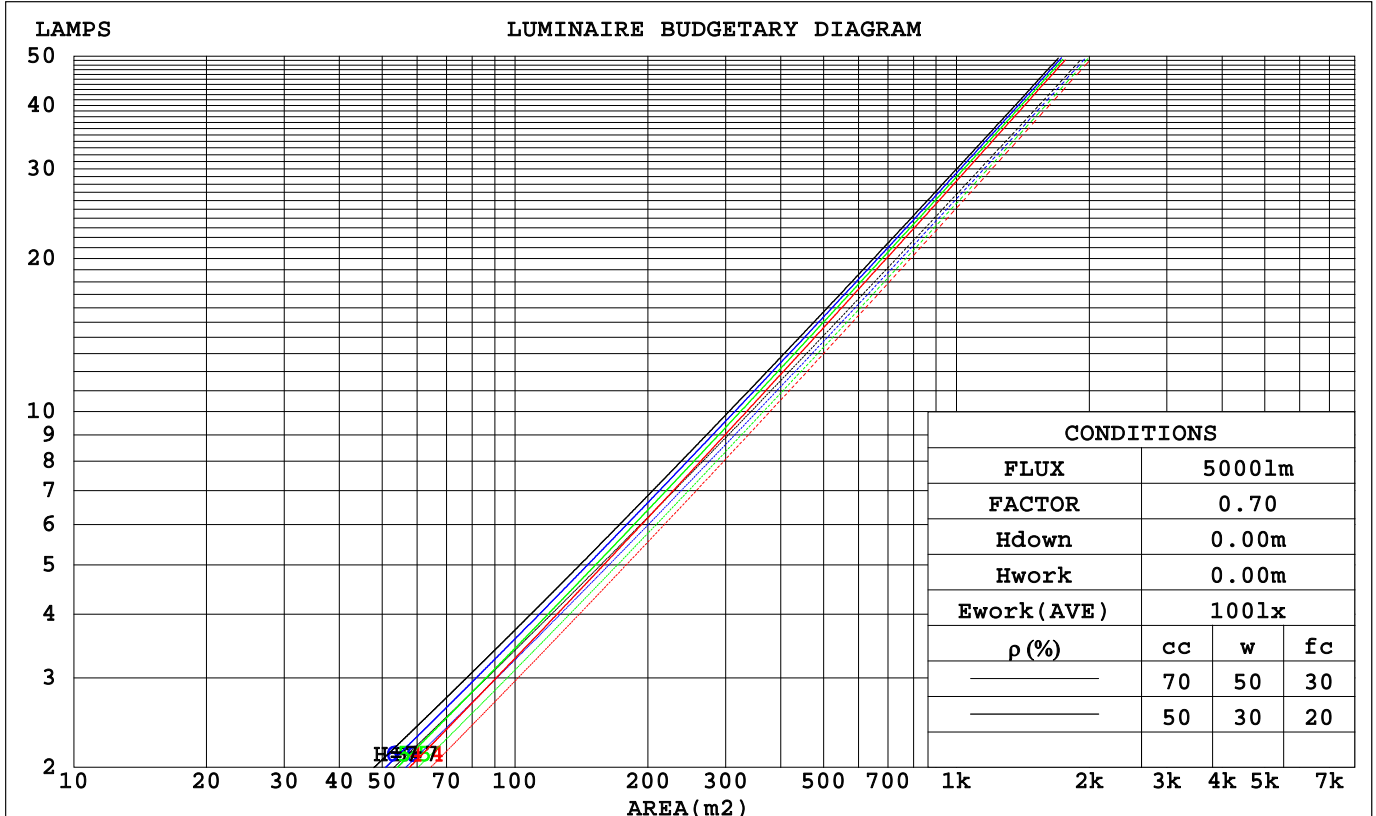
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.000 m  
 Remarks: 9X10W Only RGB ON

# CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number: EL-RP20210722-1

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: LED WALL WASHER	TYPE: 9X10W RGBWY/UV	WEIGHT:
SPECIFICATION: 9X10W Only RGB ON	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	1.18	1.18	1.18	1.15	1.15	1.15	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.04	1.03	1.01	.90	.99	.98	.96	.95	.94	.92
2.0	1.05	1.02	.99	1.03	1.00	.98	.90	.97	.95	.96	.94	.93	.93	.91	.90	.88
3.0	.90	.96	.93	.98	.95	.92	.95	.92	.90	.93	.90	.88	.90	.88	.86	.85
4.0	.95	.91	.87	.94	.90	.87	.92	.88	.85	.89	.86	.84	.87	.85	.83	.81
5.0	.91	.87	.83	.90	.86	.83	.88	.84	.82	.86	.83	.81	.84	.82	.80	.78
6.0	.87	.83	.79	.86	.82	.79	.85	.81	.78	.83	.80	.77	.82	.79	.77	.75
7.0	.84	.79	.76	.83	.79	.76	.82	.78	.75	.80	.77	.75	.79	.76	.74	.73
8.0	.81	.76	.73	.80	.76	.73	.79	.75	.72	.78	.74	.72	.77	.74	.71	.70
9.0	.78	.73	.70	.77	.73	.70	.76	.73	.70	.75	.72	.69	.74	.71	.69	.68
10.0	.75	.71	.68	.75	.71	.68	.74	.70	.67	.73	.70	.67	.72	.69	.67	.66



Test System:HOP00 HPG1800  
 Temperature:25.3DEG  
 Operators:RD  
 Test Date:07-22-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.000 m  
 Remarks: 9X10W Only RGB ON



## WEC AND CCEC

Report number: EL-RP20210722-1

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: LED WALL WASHER	TYPE: 9X10W RGBWY/UV	WEIGHT:
SPECIFICATION: 9X10W Only RGB ON	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	.152	.087	.027	.145	.082	.026	.130	.075	.024	.117	.067	.022	.105	.061	.020		
2.0	.142	.078	.024	.135	.075	.023	.123	.068	.021	.112	.063	.020	.102	.057	.018		
3.0	.133	.071	.021	.127	.068	.020	.117	.063	.019	.107	.059	.018	.098	.054	.017		
4.0	.125	.065	.019	.120	.063	.019	.111	.059	.018	.103	.055	.017	.095	.051	.016		
5.0	.118	.060	.017	.113	.058	.017	.106	.055	.016	.098	.052	.015	.091	.049	.015		
6.0	.111	.056	.016	.108	.054	.016	.101	.052	.015	.094	.049	.014	.088	.046	.014		
7.0	.106	.052	.015	.103	.051	.015	.096	.049	.014	.091	.046	.014	.085	.044	.013		
8.0	.101	.049	.014	.098	.048	.014	.092	.046	.013	.087	.044	.013	.082	.042	.012		
9.0	.096	.047	.013	.094	.046	.013	.089	.044	.012	.084	.042	.012	.080	.041	.012		
10.0	.092	.044	.012	.090	.043	.012	.085	.042	.012	.081	.040	.011	.077	.039	.011		

$\rho_{cc}$	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	.217	.217	.217	.185	.185	.185	.127	.127	.127	.073	.073	.073	.023	.023	.023	
1.0	.196	.184	.174	.168	.158	.149	.115	.109	.103	.066	.063	.060	.021	.020	.019	
2.0	.179	.160	.143	.153	.137	.124	.105	.095	.086	.061	.055	.051	.019	.018	.016	
3.0	.165	.140	.121	.142	.121	.105	.097	.084	.073	.056	.049	.043	.018	.016	.014	
4.0	.153	.125	.104	.132	.108	.090	.090	.076	.064	.052	.044	.038	.017	.014	.012	
5.0	.143	.113	.091	.123	.098	.079	.085	.069	.056	.049	.040	.033	.016	.013	.011	
6.0	.135	.104	.081	.116	.090	.071	.080	.063	.050	.046	.037	.030	.015	.012	.010	
7.0	.128	.096	.073	.110	.083	.064	.076	.058	.045	.044	.034	.027	.014	.011	.009	
8.0	.121	.089	.067	.105	.077	.058	.072	.054	.041	.042	.032	.025	.014	.011	.008	
9.0	.116	.084	.062	.100	.073	.054	.069	.051	.038	.040	.030	.023	.013	.010	.008	
10.0	.111	.079	.058	.096	.069	.050	.066	.048	.036	.039	.029	.021	.013	.009	.007	

Test System:HOP00 HPG1800  
 Temperature:25.3DEG  
 Operators:RD  
 Test Date:07-22-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.000 m  
 Remarks: 9X10W Only RGB ON

## Uncorrected UGR Table

Report number: EL-RP20210722-1

MANUFACTURER: Environmental Lights										
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A										
NAME: LED WALL WASHER					TYPE: 9X10W RGBWY/UV			WEIGHT:		
SPECIFICATION: 9X10W Only RGB 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	0.9	1.7	1.2	1.9	2.1	-1.2	-0.5	-0.9	-0.3	-0.1
3H	1.5	2.2	1.8	2.4	2.7	-1.2	-0.5	-0.9	-0.3	-0.0
4H	1.9	2.5	2.2	2.8	3.1	-1.2	-0.6	-0.9	-0.3	-0.0
6H	2.1	2.7	2.4	3.0	3.3	-1.2	-0.6	-0.8	-0.3	0.0
8H	2.1	2.7	2.5	3.0	3.3	-1.1	-0.5	-0.8	-0.2	0.1
12H	2.2	2.8	2.6	3.1	3.4	-1.0	-0.5	-0.6	-0.1	0.2
4H 2H	0.9	1.5	1.2	1.8	2.0	-1.1	-0.5	-0.8	-0.2	0.0
3H	1.5	2.1	1.9	2.4	2.7	-1.1	-0.6	-0.8	-0.3	0.1
4H	1.9	2.4	2.3	2.8	3.2	-1.1	-0.6	-0.7	-0.3	0.1
6H	2.2	2.7	2.7	3.1	3.5	-1.0	-0.6	-0.6	-0.2	0.2
8H	2.3	2.7	2.8	3.1	3.6	-0.9	-0.5	-0.5	-0.1	0.3
12H	2.5	2.8	2.9	3.3	3.7	-0.7	-0.3	-0.3	0.1	0.5
8H 4H	1.8	2.2	2.3	2.6	3.1	-1.2	-0.7	-0.7	-0.3	0.1
6H	2.2	2.5	2.6	2.9	3.4	-1.0	-0.7	-0.5	-0.2	0.3
8H	2.3	2.6	2.8	3.1	3.6	-0.8	-0.5	-0.3	-0.1	0.5
12H	2.5	2.8	3.0	3.3	3.8	-0.5	-0.2	0.0	0.3	0.8
12H 4H	1.8	2.1	2.2	2.6	3.0	-1.2	-0.8	-0.7	-0.4	0.1
6H	2.1	2.4	2.6	2.9	3.4	-1.0	-0.7	-0.5	-0.2	0.3
8H	2.3	2.5	2.8	3.0	3.6	-0.8	-0.5	-0.3	-0.0	0.5
Variations with the observer position at spacings:										
S = 1.0H	+ 1.2 / - 0.9					+ 1.3 / - 2.1				
1.5H	+ 2.3 / - 1.2					+ 1.9 / - 1.2				
2.0H	+ 1.7 / - 1.5					+ 2.4 / - 2.7				

CIE Pub.117 Corrected 1103 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.3)

Test System:HOP00 HPG1800  
Temperature:25.3DEG  
Operators:RD  
Test Date:07-22-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:8.000 m  
Remarks: 9X10W Only RGB ON

## UTILIZATION FACTORS TABLE

Report number: EL-RP20210722-1

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: LED WALL WASHER	TYPE: 9X10W RGBWY/UV	WEIGHT:
SPECIFICATION: 9X10W Only RGB 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) $k(RI) \times RCR = 5$									
$k = 0.60$	87	81	78	87	81	77	86	80	77	74
0.80	95	89	85	94	88	85	92	88	85	81
1.00	99	93	90	98	93	89	96	92	89	84
1.25	103	97	94	101	97	93	99	95	92	88
1.50	105	100	97	104	100	97	101	98	95	90
2.00	108	104	100	106	102	99	103	100	98	92
2.50	109	106	103	107	104	101	104	101	99	92
3.00	111	108	105	109	106	103	105	103	101	93
4.00	113	110	108	111	108	106	106	105	103	95
5.00	114	112	110	112	110	108	107	106	105	96
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

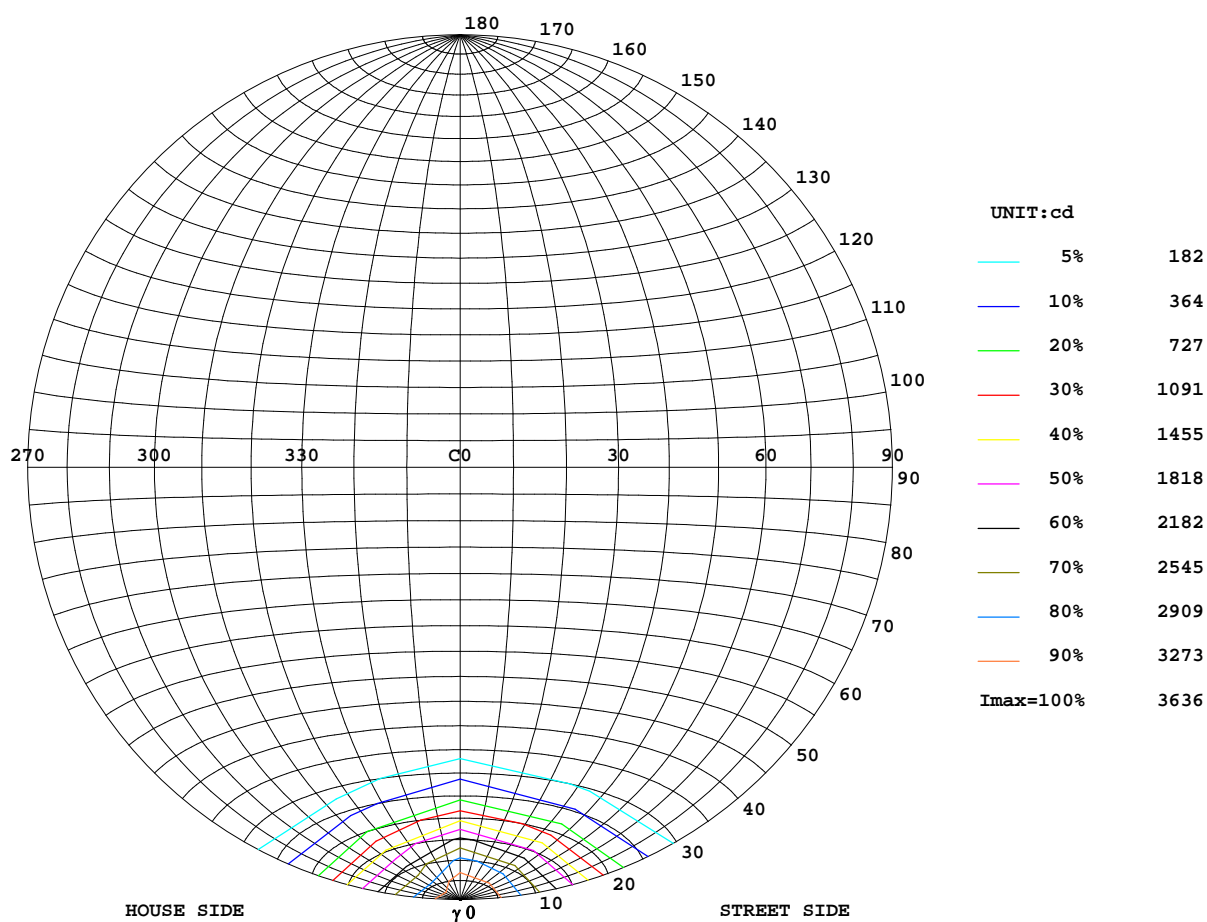
Test System:HOP00 HPG1800  
 Temperature:25.3DEG  
 Operators:RD  
 Test Date:07-22-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.000 m  
 Remarks: 9X10W Only RGB ON

# ISOCANDELA DIAGRAM

Report number: EL-RP20210722-1

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: LED WALL WASHER	TYPE: 9X10W RGBWY/UV	WEIGHT:
SPECIFICATION: 9X10W Only RGB ON	DIMENSION:	SERIAL No.: 01



Test System:HOP00 HPG1800  
 Temperature:25.3DEG  
 Operators:RD  
 Test Date:07-22-2021

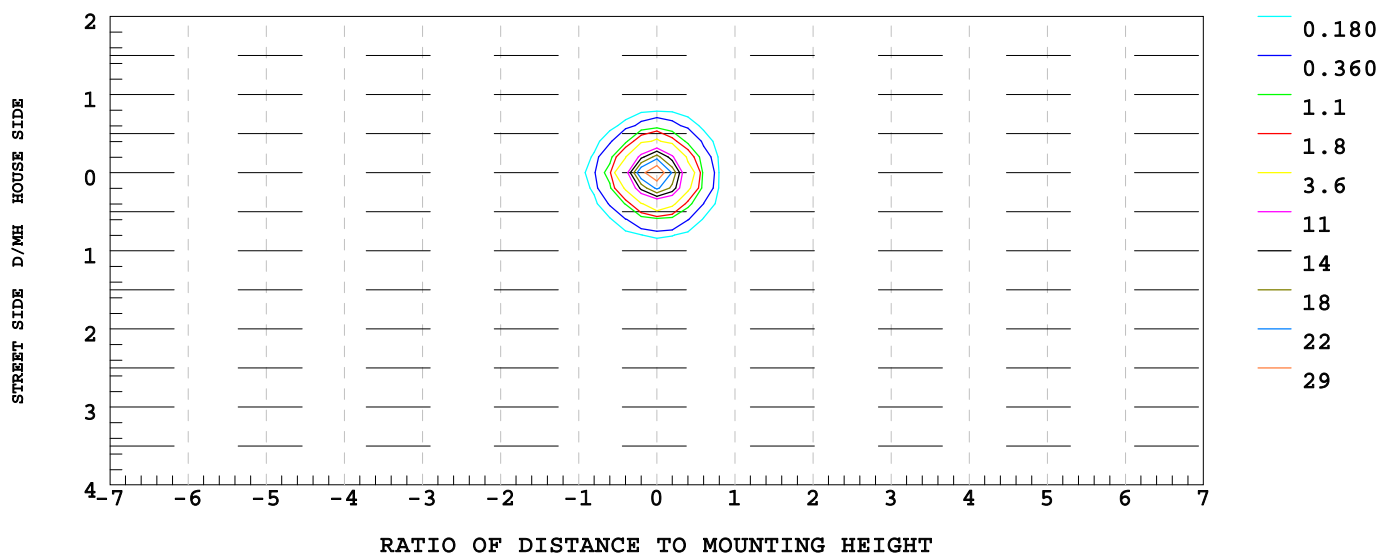
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.000 m  
 Remarks: 9X10W Only RGB ON

# ISOLUX DIAGRAM

Report number: EL-RP20210722-1

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: LED WALL WASHER	TYPE: 9X10W RGBWY/UV	WEIGHT:
SPECIFICATION: 9X10W Only RGB ON	DIMENSION:	SERIAL No.: 01

ILLUMINANCE AT MH=10 m,Enadir = 36.15 lx



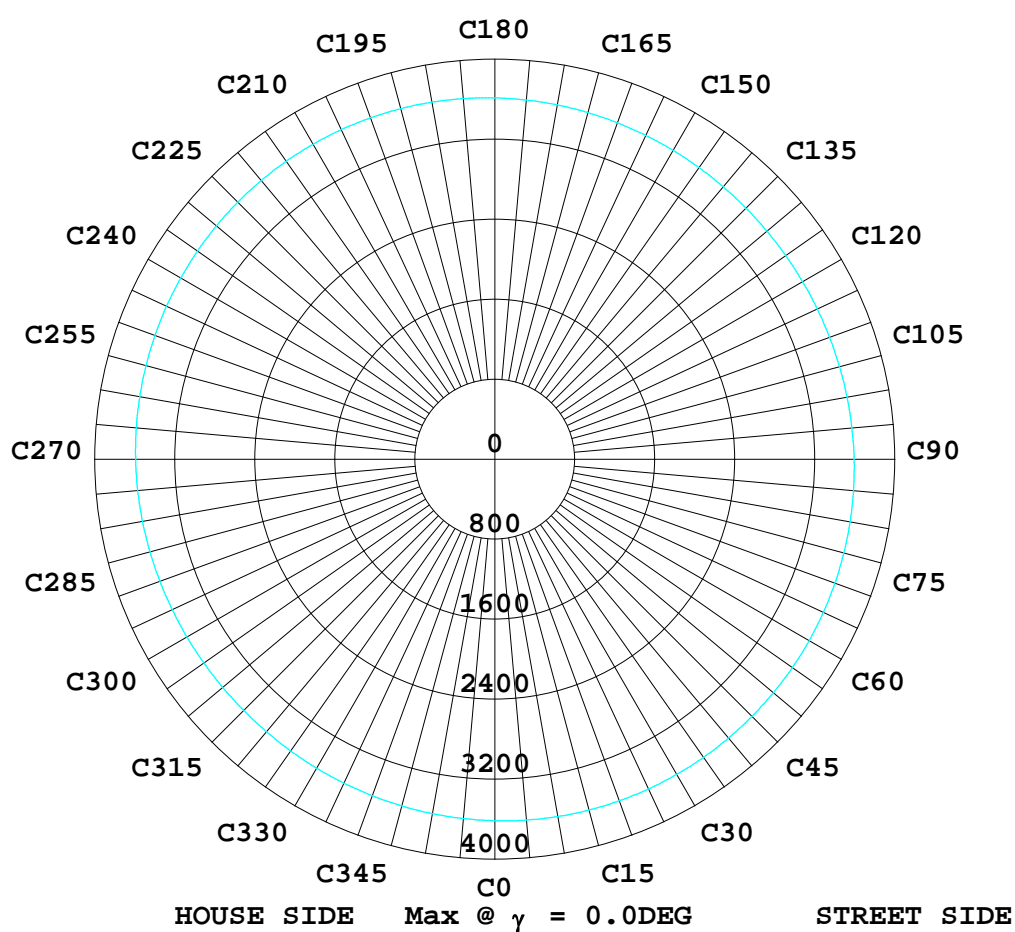
Test System:HOP00 HPG1800  
Temperature:25.3DEG  
Operators:RD  
Test Date:07-22-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:8.000 m  
Remarks: 9X10W Only RGB ON

# ISOCANDELA DIAGRAM

Report number: EL-RP20210722-1

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: LED WALL WASHER	TYPE: 9X10W RGBWY/UV	WEIGHT:
SPECIFICATION: 9X10W Only RGB ON	DIMENSION:	SERIAL No.: 01



Test System:HOP00 HPG1800  
 Temperature:25.3DEG  
 Operators:RD  
 Test Date:07-22-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.000 m  
 Remarks: 9X10W Only RGB ON

## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: EL-RP20210722-1

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: LED WALL WASHER	TYPE: 9X10W RGBWY/UV	WEIGHT:
SPECIFICATION: 9X10W Only RGB ON	DIMENSION:	SERIAL No.: 01

UNIT: cd

C (DEG)									
γ (DEG)		0	45	90	135	180	225	270	315
0.0		3615	3636	3593	3552	3615	3636	3593	3552
5.0		3454	3358	3339	3369	3087	3082	2992	3159
10.0		2993	2724	2643	2830	2496	2342	2298	2527
15.0		2249	1848	1839	2044	1599	1476	1503	1570
20.0		1339	948	981	1119	932	570	712	769
25.0		583	384	401	476	373	268	272	307
30.0		284	160	160	187	152	116	109	120
35.0		119	75.4	70.6	78.2	61.3	57.2	48.3	52.4
40.0		50.0	37.1	37.3	38.0	31.4	32.3	27.3	29.8
45.0		27.2	22.5	23.4	23.3	19.9	20.8	16.5	19.3
50.0		18.1	15.8	15.2	16.1	14.4	14.6	10.9	14.0
55.0		14.0	11.7	9.85	12.4	11.6	10.8	5.63	10.8
60.0		12.4	8.64	5.56	9.66	9.21	7.36	2.94	8.00
65.0		9.98	4.35	3.07	6.33	5.82	3.32	1.34	3.64
70.0		7.36	2.04	1.92	3.07	4.22	1.85	0.77	1.98
75.0		5.63	1.21	1.53	1.53	2.68	1.21	0.58	1.21
80.0		3.13	1.02	1.34	0.96	1.08	1.02	0.51	0.96
85.0		1.72	0.96	1.21	0.90	0.51	0.77	0.45	0.83
90.0		1.34	0.96	1.21	0.96	0.51	0.77	0.45	0.77
95.0		1.28	1.02	1.21	1.02	0.51	0.77	0.51	0.77
100.0		1.28	1.08	1.21	1.02	0.58	0.77	0.58	0.77
105.0		1.34	1.15	1.21	1.15	0.64	0.77	0.64	0.77
110.0		1.66	1.34	1.40	1.47	0.77	0.90	0.70	0.83
115.0		2.43	1.98	1.92	2.17	0.96	1.02	0.90	1.02
120.0		3.96	3.58	3.32	3.84	1.34	1.28	1.15	1.34
125.0		6.72	6.46	6.20	6.78	2.04	1.79	1.66	1.98
130.0		10.9	11.1	10.8	11.2	3.07	2.68	2.62	3.07
135.0		15.9	16.7	16.5	16.6	4.54	4.16	4.09	4.60
140.0		20.4	21.6	21.7	21.5	6.14	5.95	5.88	6.33
145.0		23.6	24.8	25.3	25.0	7.74	7.74	7.80	8.00
150.0		24.8	25.4	25.7	26.3	9.02	9.34	9.47	9.47
155.0		24.0	23.5	23.4	25.1	9.72	10.3	10.5	10.4
160.0		21.5	19.8	19.7	21.8	9.98	10.6	10.9	10.6
165.0		18.2	15.8	15.6	17.7	9.85	10.4	10.8	10.3
170.0		15.1	12.6	12.7	13.9	9.79	9.92	10.3	9.85
175.0		12.5	10.6	11.1	11.3	10.0	9.47	9.98	9.53
180.0		11.2	9.98	10.4	10.1	10.6	9.66	9.98	9.92

Test System:HOPPO HPG1800  
Temperature:25.3DEG  
Operators:RD  
Test Date:07-22-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:8.000 m  
Remarks: 9X10W Only RGB ON