

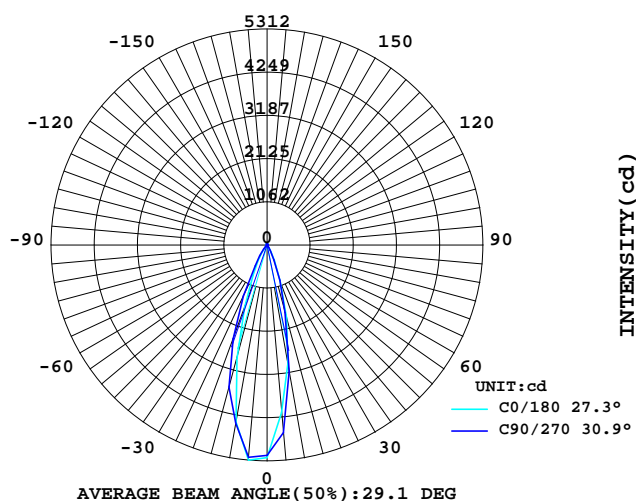
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: EL-RP20210722-5

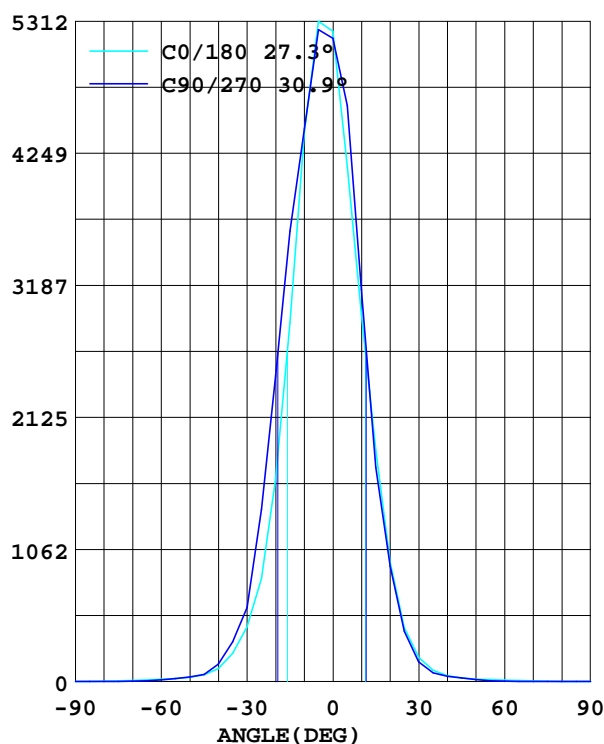
MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: LED WALL WASHER	TYPE: 18X10W RGBWY/UV	WEIGHT:
SPECIFICATION: 18X10W Only White Amber ON	DIMENSION:	SERIAL No.: 01

DATA OF LAMP		Imax(cd)	5339	S/MH(C0/180)	0.52
MODEL	RGBWY/UV	EFFICIENCY(%)	100.0	S/MH(C90/270)	0.62
NOMINAL POWER(W)	0	TOTAL FLUX(lm)	1761.3	Voltage(V)	0
RATED VOLTAGE(V)	0	EFFICIENCY(lm/W)		Current(A)	0
NOMINAL FLUX(lm)	1761.3	η up(%)	3.3	Power(W)	0
LAMPS QUANTITY	1	η down(%)	96.7	Power Factor(PF)	0
TEST VOLTAGE(V)	0.0	Effective Flux(lm)	1483.1	EEI	0.000

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



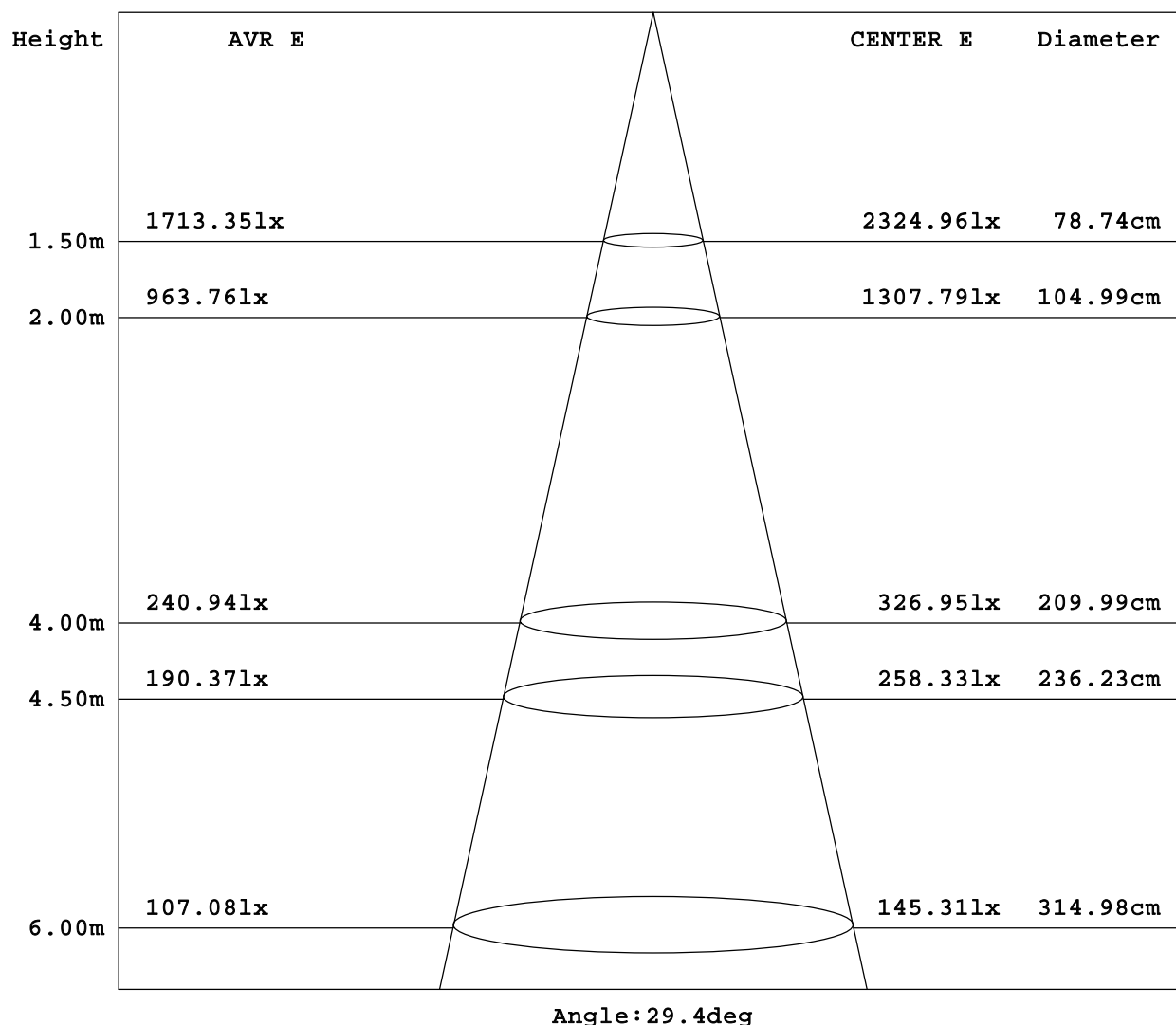
Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:RD
Test Date:07-22-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 18X10W Only White Amber ON

AVERAGE AND CENTER E Figure

Report number: EL-RP20210722-5

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: LED WALL WASHER	TYPE: 18X10W RGBWY/UV	WEIGHT:
SPECIFICATION: 18X10W Only White Amber ON	DIMENSION:	SERIAL No.: 01



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

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 Humidity:65.0%
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ZONAL FLUX DIAGRAM

Report number: EL-RP20210722-5

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Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: LED WALL WASHER	TYPE: 18X10W RGBWY/UV	WEIGHT:
SPECIFICATION: 18X10W Only White Amber ON	DIMENSION:	SERIAL No.: 01

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
10.0	4420	4369	4444	4392	2957	2852	3153	3061	0- 10	425.2	425.2
20.0	1630	1932	2458	2544	959.1	577.9	927.1	834.3	10- 20	698.3	1124
30.0	442.0	486.7	595.5	776.1	195.4	142.6	158.4	202.6	20- 30	386.2	1510
40.0	104.4	110.0	140.0	130.6	47.61	43.52	41.66	50.56	30- 40	126.5	1636
50.0	35.71	34.11	36.41	30.65	19.39	19.32	16.63	24.63	40- 50	37.58	1674
60.0	18.68	16.44	14.91	16.06	12.41	9.536	3.584	11.84	50- 60	17.15	1691
70.0	9.728	5.184	3.968	6.848	5.696	2.240	1.024	2.368	60- 70	8.157	1699
80.0	3.904	1.280	1.728	1.472	1.408	1.216	0.640	1.216	70- 80	3.067	1702
90.0	1.472	1.024	1.280	1.024	0.768	1.024	0.704	1.024	80- 90	1.345	1704
100.0	1.600	1.280	1.344	1.344	0.960	1.024	0.832	1.088	90-100	1.204	1705
110.0	2.752	1.920	1.664	2.176	1.408	1.344	1.280	1.472	100-110	1.494	1706
120.0	6.656	4.736	3.968	5.184	2.560	2.432	2.496	2.880	110-120	2.609	1709
130.0	15.23	13.24	12.54	14.08	5.248	5.312	5.696	5.888	120-130	5.759	1715
140.0	27.13	27.00	29.05	27.64	9.024	9.984	10.56	10.24	130-140	10.89	1726
150.0	38.91	38.72	37.50	38.84	12.54	13.88	14.91	14.01	140-150	14.24	1740
160.0	44.03	38.52	32.76	38.97	14.33	15.16	16.06	15.42	150-160	12.49	1752
170.0	33.66	26.75	22.65	29.24	16.06	15.23	15.87	15.93	160-170	7.017	1759
180.0	21.44	18.04	17.08	20.09	21.24	18.04	16.95	20.09	170-180	1.960	1761
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: 18X10W Only White Amber ON

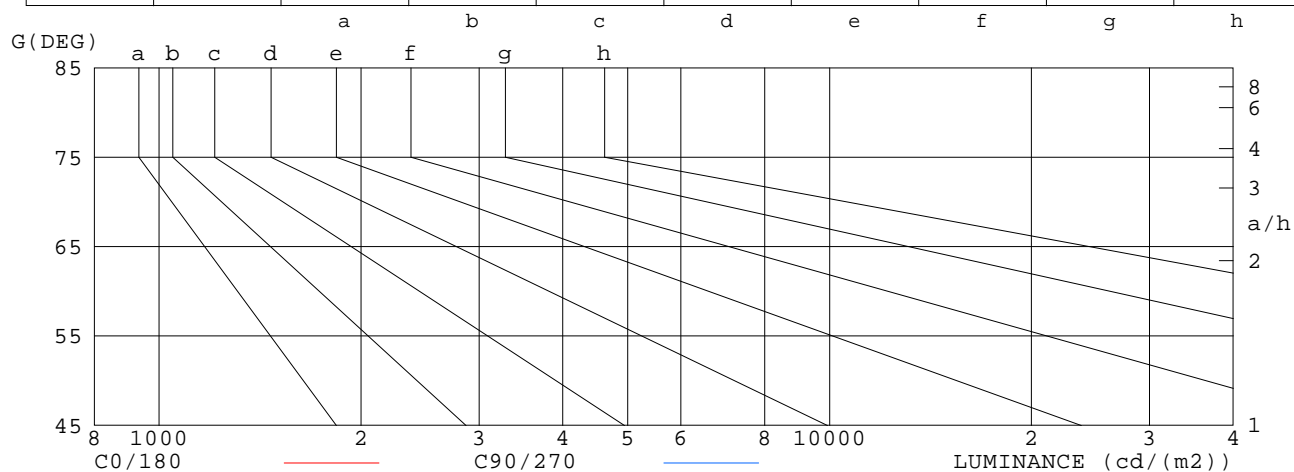
LUMINANCE LIMITATION CURVES

Report number: EL-RP20210722-5

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: LED WALL WASHER	TYPE: 18X10W RGBWY/UV	WEIGHT:
SPECIFICATION: 18X10W Only White Amber 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	220	169
80	225	100
75	287	96
70	284	116
65	306	170
60	374	298
55	431	420
50	556	567
45	776	835

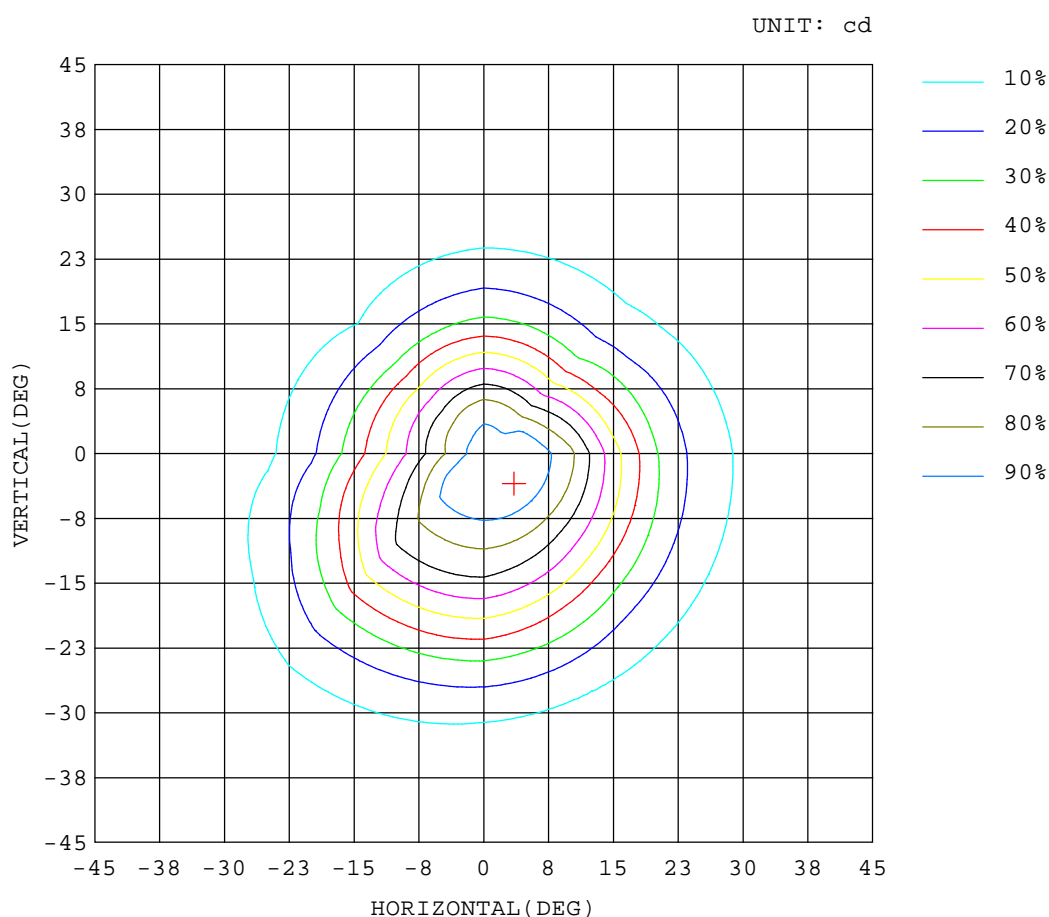
Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:RD
Test Date:07-22-2021

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

Report number: EL-RP20210722-5

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: LED WALL WASHER	TYPE: 18X10W RGBWY/UV	WEIGHT:
SPECIFICATION: 18X10W Only White Amber ON	DIMENSION:	SERIAL No.: 01



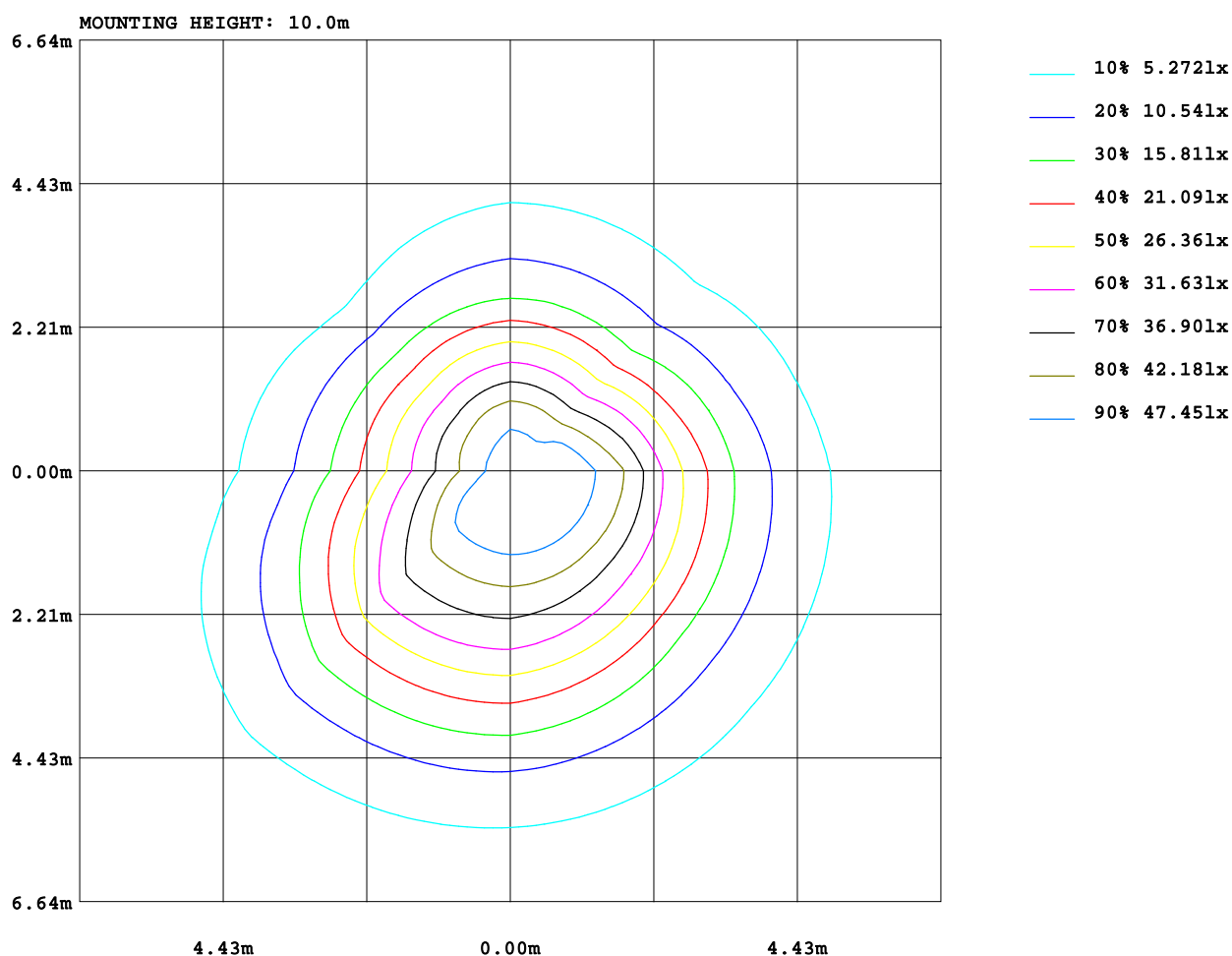
Test System:HOP00 HPG1800
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Test Date:07-22-2021

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Humidity:65.0%
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ISOLUX DIAGRAM

Report number: EL-RP20210722-5

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: LED WALL WASHER	TYPE: 18X10W RGBWY/UV	WEIGHT:
SPECIFICATION: 18X10W Only White Amber 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: 18X10W Only White Amber ON

AREA LUMINOUS FLUX

Report number: EL-RP20210722-5

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: LED WALL WASHER	TYPE: 18X10W RGBWY/UV	WEIGHT:
SPECIFICATION: 18X10W Only White Amber ON	DIMENSION:	SERIAL No.: 01

VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a
	0.07	0.09	0.11	0.14	0.17	0.20	0.23	0.26	0.27	0.27	0.27	0.25	0.23	0.20	0.17	0.14	0.12	0.09	3.28	0.00	
45	0.09	0.11	0.14	0.19	0.24	0.30	0.35	0.40	0.42	0.43	0.42	0.39	0.33	0.27	0.22	0.18	0.15	0.12	4.76	0.00	
40	0.10	0.14	0.19	0.26	0.36	0.47	0.61	0.76	0.85	0.88	0.83	0.70	0.55	0.41	0.31	0.24	0.19	0.14	7.98	0.00	
35	0.12	0.17	0.25	0.38	0.55	0.83	1.20	1.66	2.03	2.12	1.89	1.47	1.05	0.69	0.49	0.35	0.24	0.18	15.6	0.00	
30	0.14	0.21	0.34	0.55	0.90	1.48	2.39	3.58	4.68	4.89	4.12	3.03	2.03	1.30	0.86	0.54	0.33	0.21	31.6	12.1	
25	0.16	0.26	0.46	0.84	1.51	2.47	4.19	7.00	9.39	9.70	7.93	5.50	3.63	2.42	1.47	0.84	0.46	0.26	58.5	43.5	
20	0.18	0.32	0.62	1.22	2.39	4.23	7.69	12.8	17.3	17.7	13.9	9.53	6.45	4.00	2.28	1.23	0.62	0.32	103	91.1	
15	0.20	0.38	0.78	1.66	3.51	7.00	12.9	20.3	27.3	28.1	22.4	16.4	10.5	6.00	3.20	1.66	0.80	0.38	164	154	
10	0.21	0.41	0.89	2.01	4.54	9.47	16.9	25.8	34.3	36.6	32.5	24.0	14.7	7.92	4.00	2.02	0.96	0.43	218	209	
5	0.23	0.49	1.14	2.67	6.02	12.1	20.4	29.7	37.9	40.0	35.9	26.7	16.3	8.70	4.31	2.14	1.00	0.45	246	238	
0	0.25	0.58	1.44	3.40	7.41	14.2	23.3	31.6	35.9	36.1	31.7	23.7	14.8	8.00	4.01	1.98	0.92	0.42	240	232	
-5	0.25	0.59	1.47	3.46	7.41	13.9	22.1	27.8	30.2	29.7	25.5	18.7	11.7	6.44	3.31	1.66	0.78	0.38	206	197	
-10	0.23	0.50	1.27	2.98	6.26	11.4	16.6	20.5	22.8	22.0	18.2	13.1	8.17	4.63	2.46	1.26	0.62	0.32	154	144	
-15	0.20	0.40	0.94	2.17	4.45	7.41	10.4	13.0	14.4	13.8	11.3	8.10	5.10	2.95	1.66	0.90	0.47	0.27	98.1	87.3	
-20	0.17	0.29	0.61	1.36	2.60	4.05	5.51	6.83	7.51	7.16	5.88	4.27	2.88	1.79	1.05	0.60	0.35	0.22	53.1	37.6	
-25	0.14	0.22	0.39	0.73	1.30	2.05	2.79	3.32	3.51	3.35	2.91	2.28	1.61	1.04	0.64	0.40	0.26	0.18	27.1	2.40	
-30	0.12	0.17	0.25	0.39	0.62	0.92	1.27	1.57	1.72	1.68	1.45	1.14	0.83	0.58	0.40	0.28	0.20	0.14	13.7	0.00	
-35	0.10	0.13	0.18	0.24	0.33	0.43	0.56	0.67	0.74	0.74	0.66	0.55	0.44	0.34	0.26	0.20	0.15	0.12	6.85	0.00	
-40																					
-45																					
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)			10	15	20	25	30	35	40	45		
Φ t	2.94	5.48	11.5	24.7	50.5	93.0	150	208	252	256	218	160	102	57.7	31.1	16.6	8.62	4.63	1761		
Φ a	0.00	0.00	0.00	4.56	36.0	81.0	139	198	242	246	208	149	89.0	44.2	12.0	0.00	0.00	0.00		1483	

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

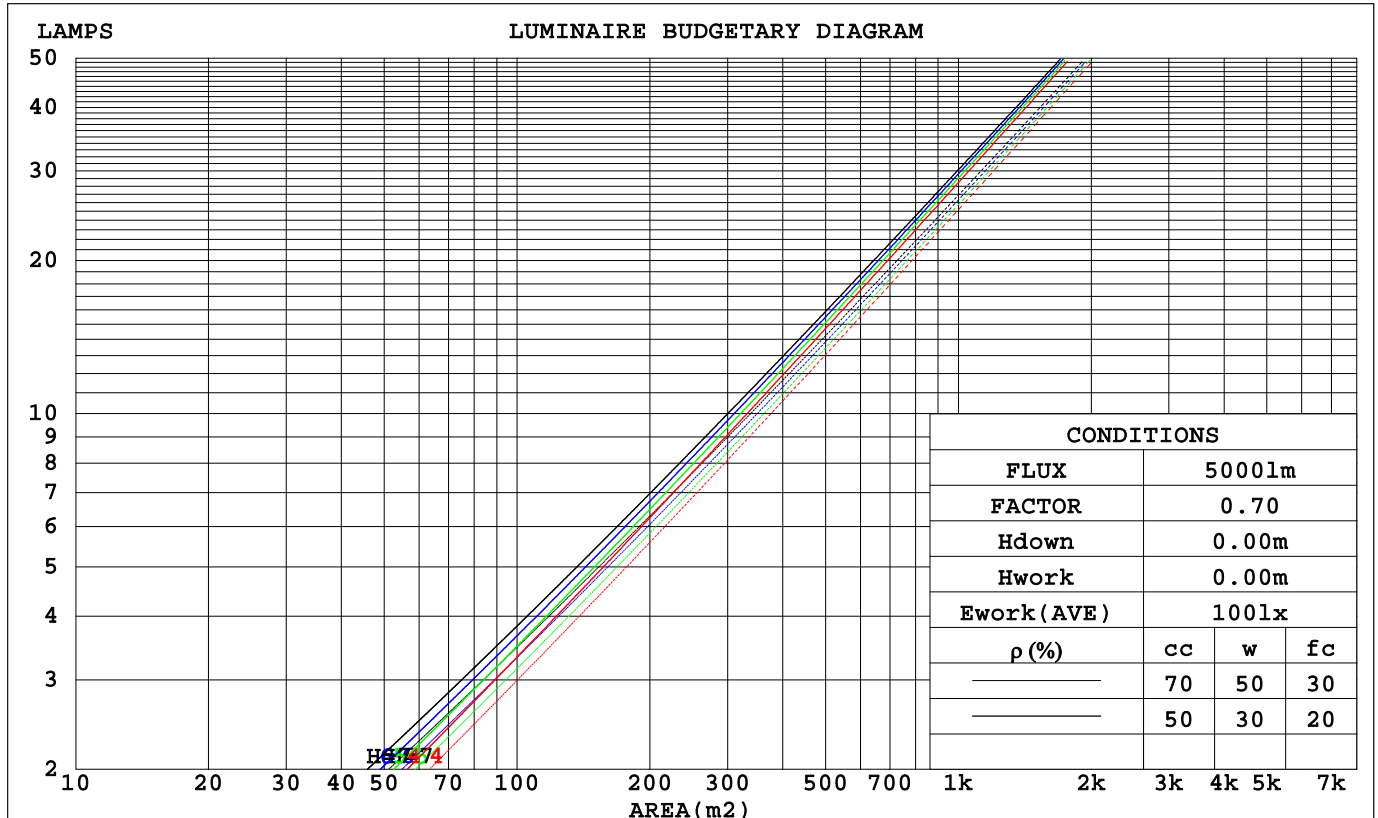
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks: 18X10W Only White Amber ON

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number: EL-RP20210722-5

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: LED WALL WASHER	TYPE: 18X10W RGBWY/UV	WEIGHT:
SPECIFICATION: 18X10W Only White Amber 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	1.18	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	1.01	.98	1.03	.90	.97	.99	.97	.94	.96	.94	.92	.93	.91	.90	.88
3.0	.99	.95	.92	.98	.94	.91	.95	.91	.89	.92	.89	.87	.89	.87	.85	.84
4.0	.94	.90	.86	.93	.89	.85	.91	.87	.84	.88	.85	.83	.86	.84	.82	.80
5.0	.90	.85	.81	.89	.84	.81	.87	.83	.80	.85	.82	.79	.83	.80	.78	.77
6.0	.86	.81	.77	.85	.80	.77	.83	.79	.76	.82	.78	.76	.80	.77	.75	.74
7.0	.82	.77	.74	.82	.77	.74	.80	.76	.73	.79	.75	.72	.77	.74	.72	.71
8.0	.79	.74	.71	.78	.74	.71	.77	.73	.70	.76	.72	.70	.75	.72	.69	.68
9.0	.76	.71	.68	.75	.71	.68	.74	.70	.67	.73	.70	.67	.72	.69	.67	.66
10.0	.73	.68	.65	.73	.68	.65	.72	.68	.65	.71	.67	.65	.70	.67	.64	.63



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

Test Set: 5.0deg/s C-Gamma (TYPE C)
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WEC AND CCEC

Report number: EL-RP20210722-5

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NAME: LED WALL WASHER	TYPE: 18X10W RGBWY/UV	WEIGHT:
SPECIFICATION: 18X10W Only White Amber 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	.157	.089	.028	.149	.085	.027	.135	.077	.025	.121	.070	.022	.109	.063	.020		
2.0	.147	.080	.025	.140	.077	.024	.128	.071	.022	.117	.066	.021	.107	.060	.019		
3.0	.138	.073	.022	.132	.071	.021	.122	.066	.020	.112	.062	.019	.103	.057	.018		
4.0	.130	.067	.020	.125	.065	.019	.116	.062	.018	.108	.058	.017	.100	.054	.017		
5.0	.123	.062	.018	.119	.061	.018	.111	.058	.017	.103	.055	.016	.097	.052	.016		
6.0	.116	.058	.017	.113	.057	.016	.106	.054	.016	.099	.052	.015	.093	.049	.015		
7.0	.111	.055	.016	.107	.054	.015	.101	.051	.015	.096	.049	.014	.090	.047	.014		
8.0	.106	.052	.014	.103	.051	.014	.097	.049	.014	.092	.047	.013	.087	.045	.013		
9.0	.101	.049	.014	.098	.048	.013	.093	.046	.013	.089	.044	.013	.084	.043	.012		
10.0	.097	.046	.013	.094	.046	.013	.090	.044	.012	.086	.043	.012	.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	.215	.215	.215	.184	.184	.184	.126	.126	.126	.072	.072	.072	.023	.023	.023	
1.0	.195	.183	.172	.167	.157	.148	.114	.108	.102	.066	.062	.059	.021	.020	.019	
2.0	.178	.158	.141	.153	.136	.122	.105	.094	.085	.060	.055	.050	.019	.018	.016	
3.0	.164	.139	.118	.141	.120	.103	.097	.083	.072	.056	.049	.042	.018	.016	.014	
4.0	.153	.124	.102	.131	.107	.088	.090	.075	.062	.052	.044	.037	.017	.014	.012	
5.0	.143	.112	.089	.123	.097	.077	.085	.068	.055	.049	.040	.032	.016	.013	.011	
6.0	.135	.102	.079	.116	.089	.069	.080	.062	.049	.046	.036	.029	.015	.012	.010	
7.0	.128	.094	.071	.110	.082	.062	.076	.057	.044	.044	.034	.026	.014	.011	.009	
8.0	.122	.088	.065	.105	.076	.056	.073	.054	.040	.042	.032	.024	.014	.010	.008	
9.0	.116	.083	.060	.100	.072	.052	.069	.050	.037	.040	.030	.022	.013	.010	.007	
10.0	.112	.078	.056	.096	.068	.049	.067	.048	.034	.039	.028	.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: 18X10W Only White Amber ON

Uncorrected UGR Table

Report number: EL-RP20210722-5

MANUFACTURER: Environmental Lights										
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A										
NAME: LED WALL WASHER					TYPE: 18X10W RGBWY/UV			WEIGHT:		
SPECIFICATION: 18X10W Only White Amber 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	4.3	5.1	4.6	5.3	5.5	5.2	6.0	5.5	6.2	6.4
3H	4.5	5.2	4.8	5.5	5.7	5.1	5.8	5.4	6.1	6.3
4H	4.7	5.3	5.0	5.6	5.9	5.1	5.7	5.4	6.0	6.3
6H	4.7	5.3	5.0	5.6	5.9	5.0	5.6	5.3	5.9	6.2
8H	4.7	5.3	5.0	5.6	5.9	5.0	5.6	5.3	5.9	6.2
12H	4.7	5.3	5.1	5.6	5.9	4.9	5.5	5.3	5.8	6.2
4H 2H	4.3	4.9	4.6	5.2	5.5	5.1	5.8	5.4	6.0	6.3
3H	4.5	5.1	4.9	5.4	5.7	5.0	5.6	5.4	5.9	6.3
4H	4.7	5.2	5.1	5.5	5.9	5.0	5.5	5.4	5.8	6.2
6H	4.7	5.2	5.2	5.6	6.0	4.9	5.4	5.3	5.7	6.1
8H	4.7	5.2	5.2	5.6	6.0	4.9	5.3	5.3	5.7	6.1
12H	4.8	5.2	5.2	5.6	6.0	4.9	5.2	5.3	5.7	6.1
8H 4H	4.5	5.0	5.0	5.4	5.8	4.8	5.3	5.3	5.7	6.1
6H	4.6	5.0	5.1	5.4	5.9	4.8	5.1	5.2	5.6	6.0
8H	4.6	5.0	5.1	5.4	5.9	4.7	5.1	5.2	5.5	6.0
12H	4.7	5.0	5.2	5.5	6.0	4.8	5.0	5.3	5.5	6.1
12H 4H	4.5	4.9	4.9	5.3	5.7	4.8	5.2	5.2	5.6	6.0
6H	4.6	4.9	5.1	5.4	5.9	4.7	5.0	5.2	5.5	6.0
8H	4.6	4.9	5.1	5.4	5.9	4.7	5.0	5.2	5.5	6.0
Variations with the observer position at spacings:										
S = 1.0H	+ 1.5 / - 1.8					+ 2.8 / - 3.9				
1.5H	+ 2.8 / - 1.7					+ 4.6 / - 3.2				
2.0H	+ 2.4 / - 1.5					+ 3.4 / - 3.3				

CIE Pub.117 Corrected 1761 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.0)

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: 18X10W Only White Amber ON

UTILIZATION FACTORS TABLE

Report number: EL-RP20210722-5

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: LED WALL WASHER	TYPE: 18X10W RGBWY/UV	WEIGHT:
SPECIFICATION: 18X10W Only White Amber 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	77	87	81	77	86	80	77	73
0.80	94	89	85	94	88	85	92	87	84	80
1.00	99	93	90	98	93	89	96	92	88	84
1.25	102	97	94	101	97	93	99	95	92	88
1.50	105	100	97	104	100	96	101	98	95	90
2.00	108	104	100	106	102	99	103	100	98	92
2.50	109	106	103	108	104	102	104	101	99	93
3.00	111	108	105	109	106	103	105	103	101	94
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		

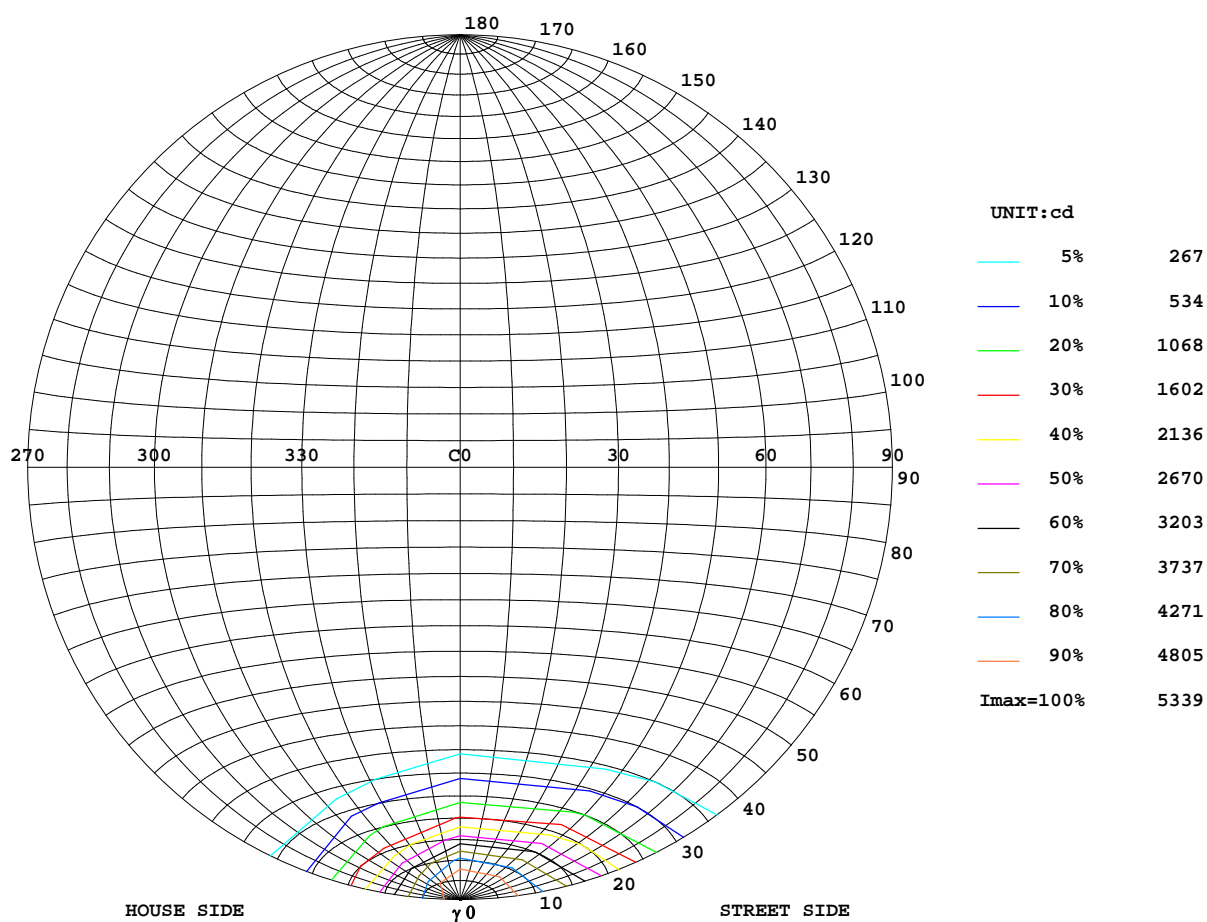
Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:RD
 Test Date:07-22-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks: 18X10W Only White Amber ON

ISOCANDELA DIAGRAM

Report number: EL-RP20210722-5

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: LED WALL WASHER	TYPE: 18X10W RGBWY/UV	WEIGHT:
SPECIFICATION: 18X10W Only White Amber ON	DIMENSION:	SERIAL No.: 01



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

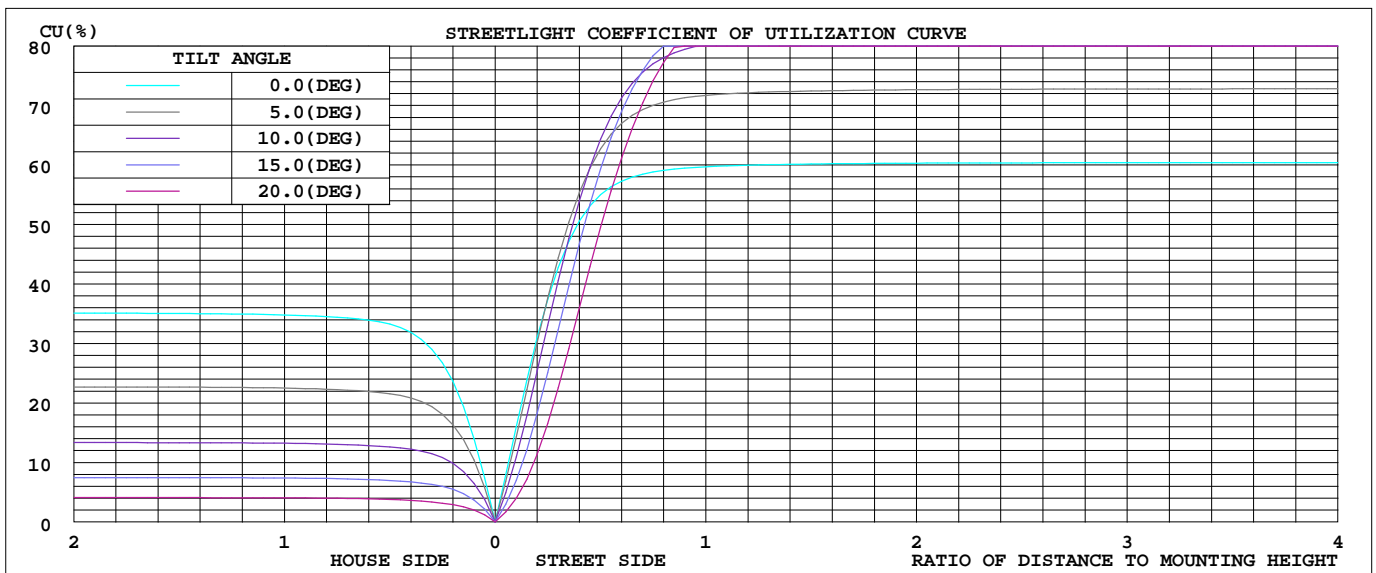
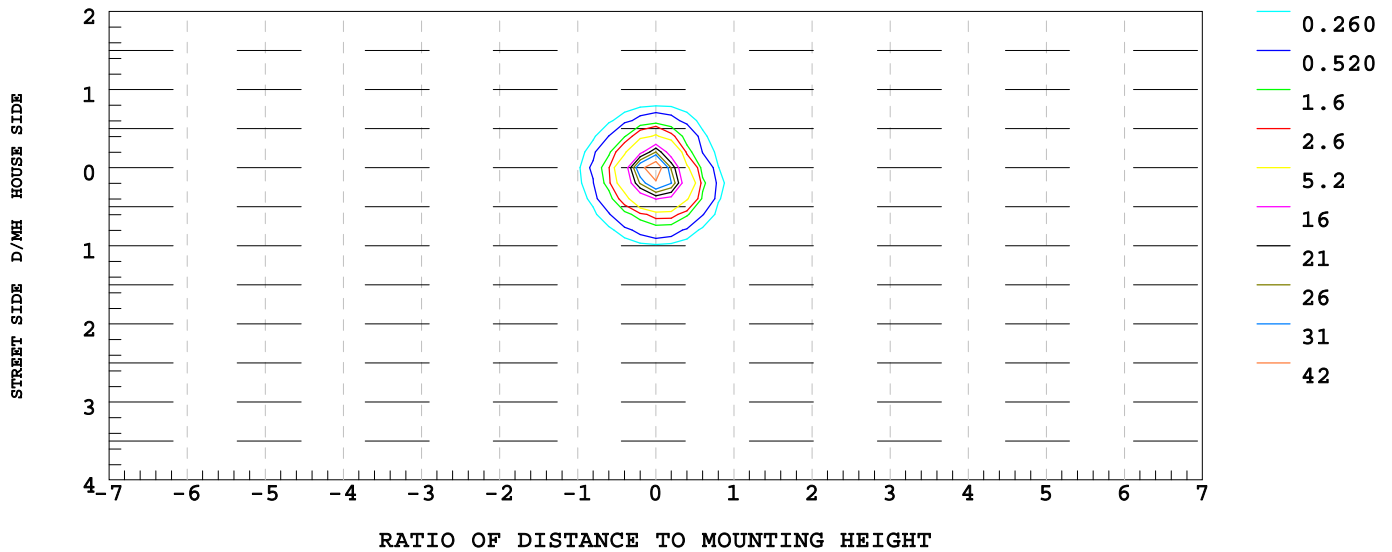
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks: 18X10W Only White Amber ON

ISOLUX DIAGRAM

Report number: EL-RP20210722-5

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: LED WALL WASHER	TYPE: 18X10W RGBWY/UV	WEIGHT:
SPECIFICATION: 18X10W Only White Amber ON	DIMENSION:	SERIAL No.: 01

ILLUMINANCE AT MH=10 m, Enadir = 52.31 lx



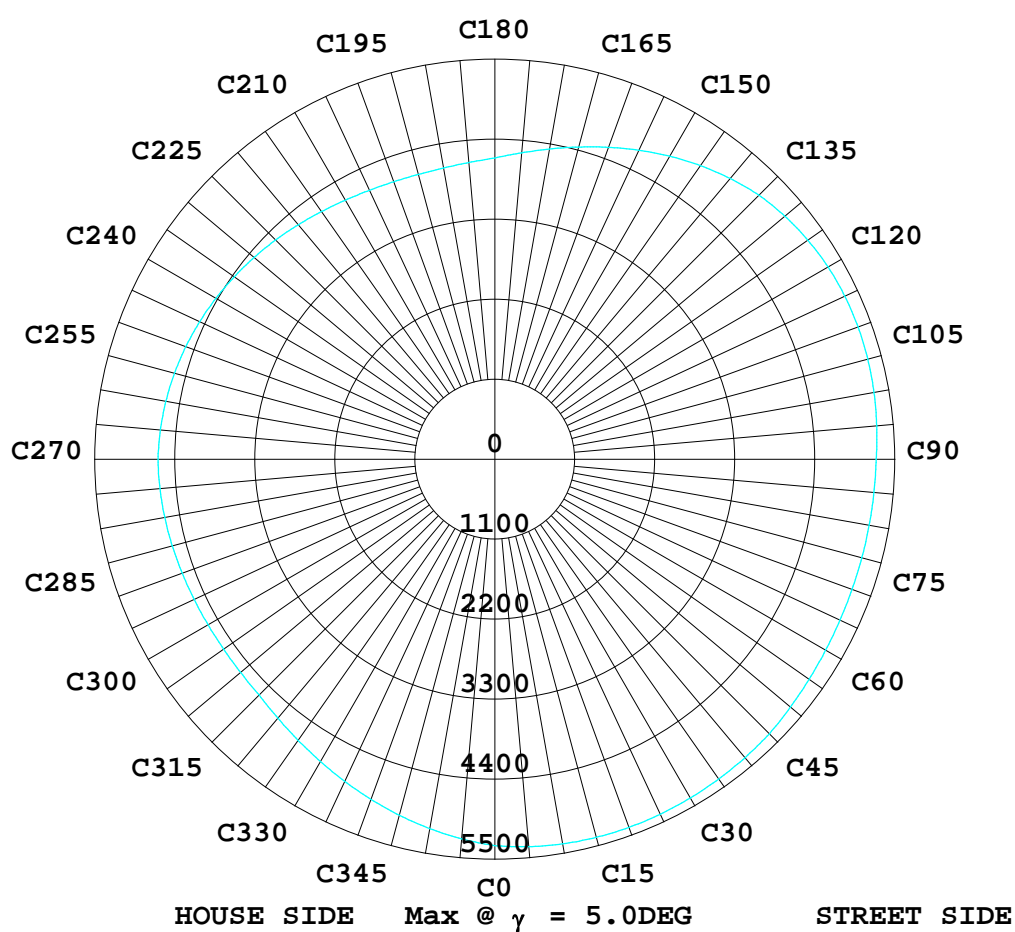
Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:RD
 Test Date:07-22-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks: 18X10W Only White Amber ON

ISOCANDELA DIAGRAM

Report number: EL-RP20210722-5

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: LED WALL WASHER	TYPE: 18X10W RGBWY/UV	WEIGHT:
SPECIFICATION: 18X10W Only White Amber 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: 18X10W Only White Amber ON

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: EL-RP20210722-5

MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: LED WALL WASHER	TYPE: 18X10W RGBWY/UV	WEIGHT:
SPECIFICATION: 18X10W Only White Amber ON	DIMENSION:	SERIAL No.: 01

UNIT: cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315
0.0	5231	5191	5174	5160	5231	5191	5174	5160
5.0	5312	5339	5243	5136	4143	4266	4632	4586
10.0	4420	4369	4444	4392	2957	2852	3153	3061
15.0	2888	3180	3623	3671	1862	1487	1725	1675
20.0	1630	1932	2458	2544	959	578	927	834
25.0	830	1026	1386	1523	433	299	404	435
30.0	442	487	596	776	195	143	158	203
35.0	229	234	320	350	92.4	73.5	70.3	92.0
40.0	104	110	140	131	47.6	43.5	41.6	50.5
45.0	54.8	57.1	59.0	54.5	28.3	27.3	29.2	33.0
50.0	35.7	34.1	36.4	30.6	19.3	19.3	16.6	24.6
55.0	24.7	23.2	24.0	20.7	15.6	14.4	6.84	17.7
60.0	18.6	16.4	14.9	16.0	12.4	9.53	3.58	11.8
65.0	12.9	11.5	7.16	12.0	8.19	3.84	1.92	4.22
70.0	9.72	5.18	3.96	6.84	5.69	2.24	1.02	2.36
75.0	7.42	2.11	2.49	2.56	3.26	1.40	0.83	1.47
80.0	3.90	1.28	1.72	1.47	1.40	1.21	0.64	1.21
85.0	1.92	1.08	1.47	1.15	0.77	1.02	0.64	1.08
90.0	1.47	1.02	1.28	1.02	0.77	1.02	0.70	1.02
95.0	1.47	1.15	1.28	1.15	0.83	1.02	0.77	1.08
100.0	1.60	1.28	1.34	1.34	0.96	1.02	0.83	1.08
105.0	1.98	1.47	1.40	1.60	1.08	1.15	0.96	1.21
110.0	2.75	1.92	1.66	2.17	1.40	1.34	1.28	1.47
115.0	4.22	2.81	2.30	3.20	1.79	1.72	1.72	1.98
120.0	6.65	4.73	3.96	5.18	2.56	2.43	2.49	2.88
125.0	10.2	8.06	7.04	8.70	3.64	3.64	3.84	4.16
130.0	15.2	13.2	12.5	14.0	5.24	5.31	5.69	5.88
135.0	20.9	19.8	20.4	20.7	7.16	7.55	8.00	8.00
140.0	27.1	27.0	29.0	27.6	9.02	9.98	10.5	10.2
145.0	33.2	33.8	35.2	33.9	10.8	12.1	12.9	12.3
150.0	38.9	38.7	37.5	38.8	12.5	13.8	14.9	14.0
155.0	43.0	40.3	36.2	40.8	13.6	14.8	15.8	15.0
160.0	44.0	38.5	32.7	38.9	14.3	15.1	16.0	15.4
165.0	40.4	33.1	27.7	34.6	14.9	15.1	15.8	15.5
170.0	33.6	26.7	22.6	29.2	16.0	15.2	15.8	15.9
175.0	26.5	21.3	19.0	24.1	18.1	16.0	16.2	17.4
180.0	21.4	18.0	17.0	20.0	21.2	18.0	16.9	20.0

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