

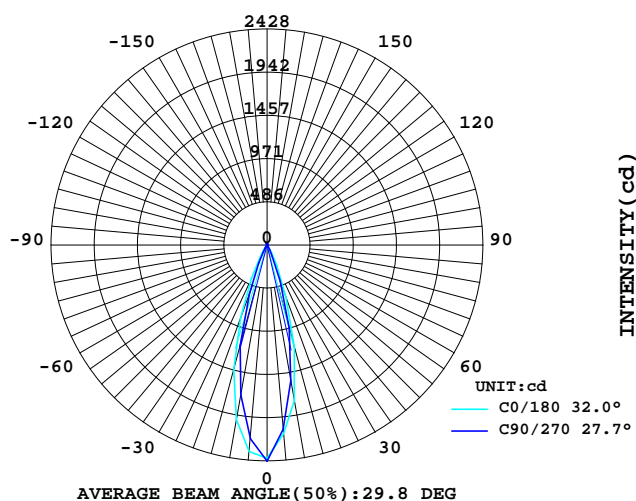
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: EL-RP20210722-2

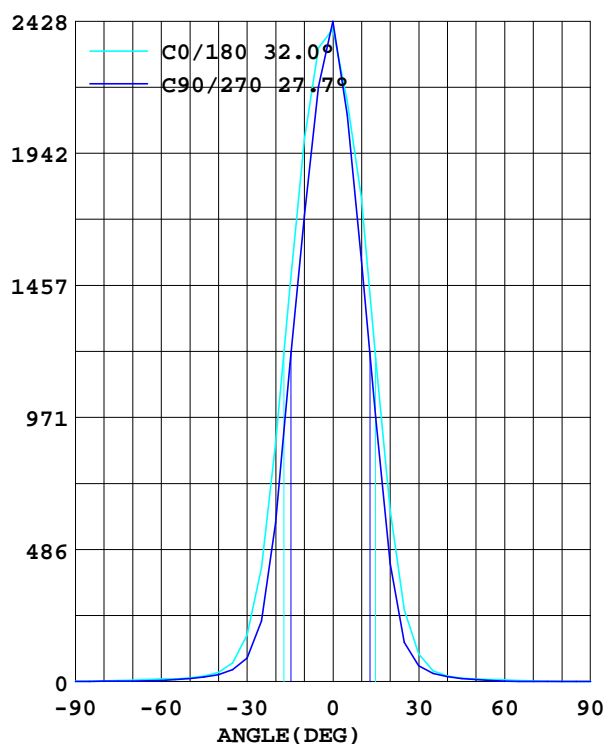
MANUFACTURER: Environmental Lights		
Address: 11235 West Bernardo Court Suite 102 San Diego CA U.S.A		
NAME: LED WALL WASHER	TYPE: 9X10W RGBWY/UV	WEIGHT:
SPECIFICATION: 9X10W Only White Amber ON	DIMENSION:	SERIAL No.: 01

DATA OF LAMP		Imax(cd)	2428	S/MH(C0/180)	0.55
MODEL	RGBWY/UV	EFFICIENCY(%)	100.0	S/MH(C90/270)	0.48
NOMINAL POWER(W)	0	TOTAL FLUX(lm)	764.20	Voltage(V)	0
RATED VOLTAGE(V)	0	EFFICIENCY(lm/W)		Current(A)	0
NOMINAL FLUX(lm)	764.2	η up(%)	3.8	Power(W)	0
LAMPS QUANTITY	1	η down(%)	96.2	Power Factor(PF)	0
TEST VOLTAGE(V)	0.0	Effective Flux(lm)	640.9	EEI	0.000

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



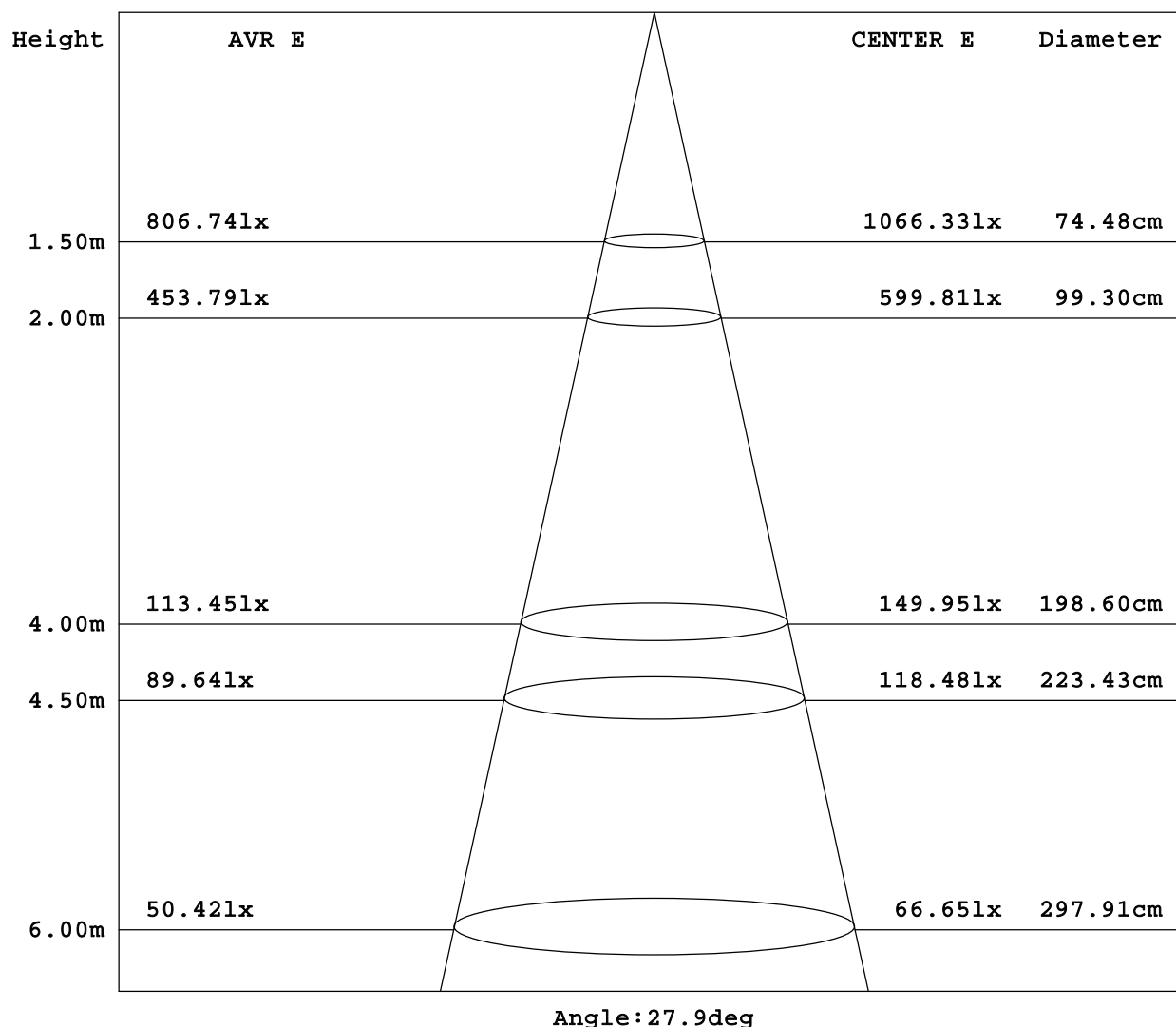
Test System:HOP00 HPG1800
Temperature:25.3DEG
Operators:rd
Test Date:07-22-2021

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

AVERAGE AND CENTER E Figure

Report number: EL-RP20210722-2

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 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-RP20210722-2

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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 White Amber ON	DIMENSION:	SERIAL No.: 01

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
10.0	1994	1736	1712	1882	1779	1580	1551	1726	0- 10	195.0	195.0
20.0	876.6	725.7	582.9	919.9	630.3	550.4	433.8	585.8	10- 20	328.7	523.7
30.0	171.6	134.3	86.14	162.7	101.6	98.30	58.43	97.34	20- 30	149.0	672.8
40.0	33.02	27.20	24.83	28.09	20.03	22.27	18.17	22.27	30- 40	36.15	708.9
50.0	13.44	11.39	11.20	10.94	9.600	10.56	7.552	10.62	40- 50	12.61	721.5
60.0	9.792	6.592	4.480	6.592	6.656	5.504	2.112	6.144	50- 60	7.236	728.8
70.0	5.248	1.600	1.664	1.664	3.200	1.600	0.640	1.600	60- 70	3.754	732.5
80.0	2.432	0.832	1.216	0.896	0.832	0.896	0.448	0.896	70- 80	1.657	734.2
90.0	1.216	0.896	1.088	0.832	0.384	0.768	0.448	0.832	80- 90	0.971	735.2
100.0	1.152	1.024	1.024	0.960	0.512	0.768	0.576	0.768	90-100	0.906	736.1
110.0	1.536	1.344	1.152	1.216	0.640	0.768	0.640	0.832	100-110	0.958	737.0
120.0	3.712	3.264	2.368	3.072	1.024	1.088	0.896	1.216	110-120	1.433	738.5
130.0	9.024	8.960	8.320	8.704	2.240	1.984	1.920	2.368	120-130	3.206	741.7
140.0	15.10	16.06	16.63	16.57	4.224	4.096	4.160	4.480	130-140	6.002	747.7
150.0	18.43	18.75	19.07	19.52	6.016	6.400	6.720	6.720	140-150	7.326	755.0
160.0	15.55	14.46	14.14	16.00	6.784	7.424	7.680	7.488	150-160	5.634	760.6
170.0	10.62	9.280	8.768	9.984	6.656	6.912	7.296	6.976	160-170	2.786	763.4
180.0	7.744	7.040	7.232	7.232	7.360	6.848	7.040	7.104	170-180	0.741	764.2
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%
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 Remarks: 9X10W Only White Amber ON

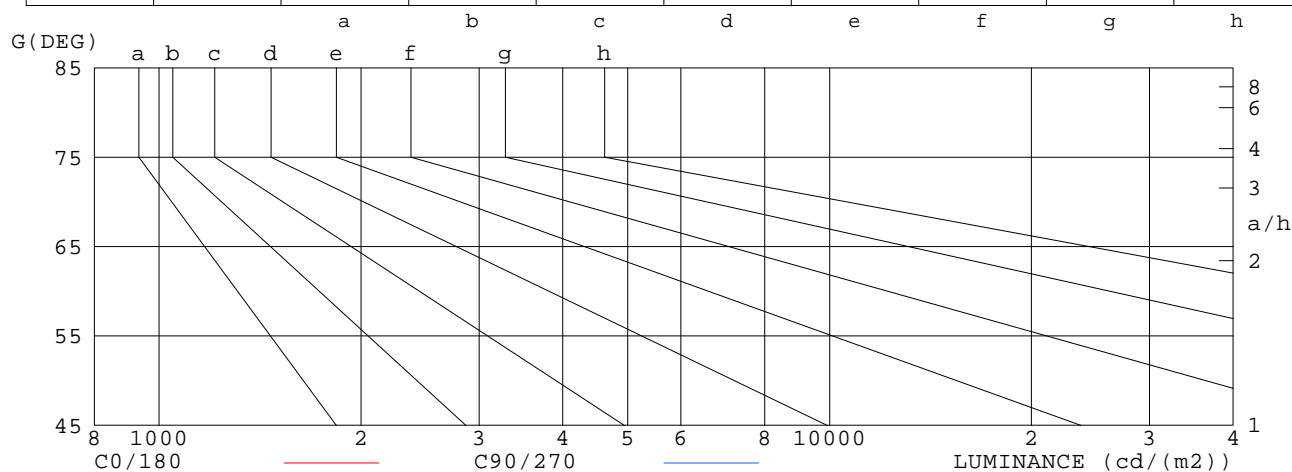
LUMINANCE LIMITATION CURVES

Report number: EL-RP20210722-2

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 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	169	125
80	140	70
75	156	49
70	153	49
65	171	61
60	196	90
55	182	129
50	209	174
45	284	234

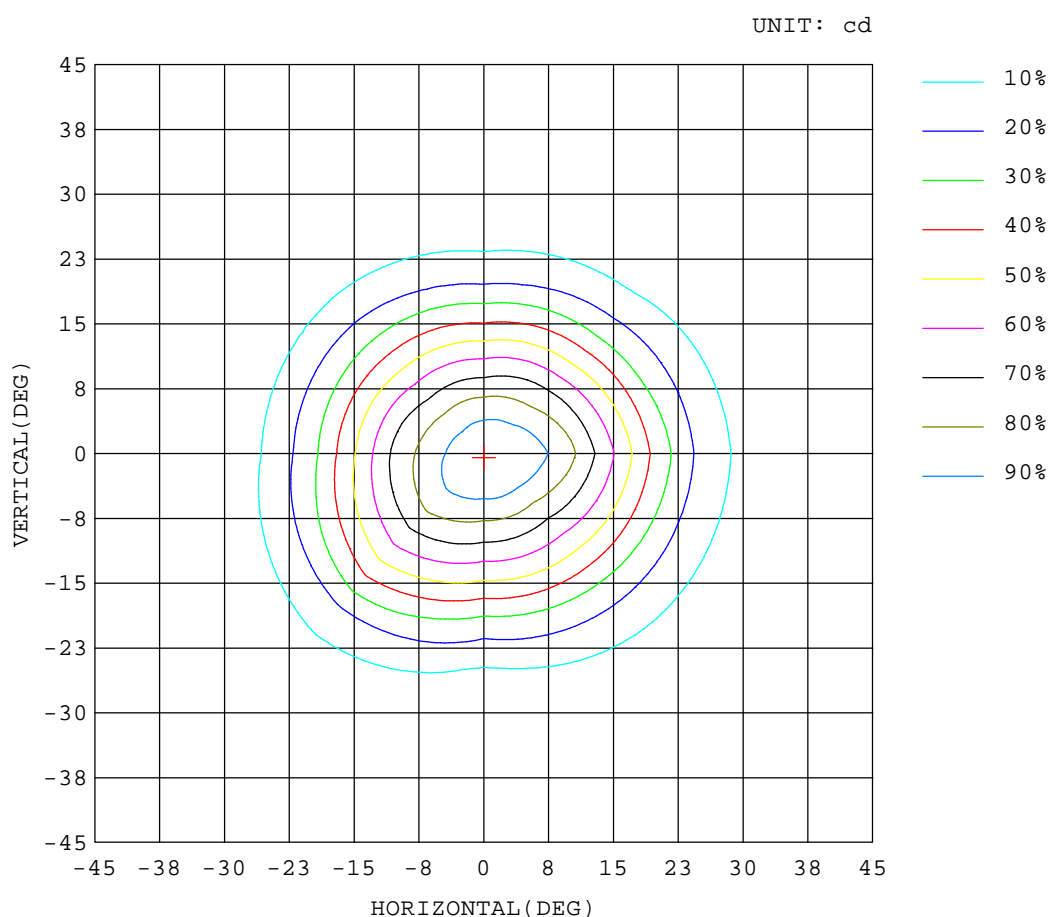
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Operators:rd
Test Date:07-22-2021

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Humidity:65.0%
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ISOCANDELA DIAGRAM

Report number: EL-RP20210722-2

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 White Amber ON	DIMENSION:	SERIAL No.: 01



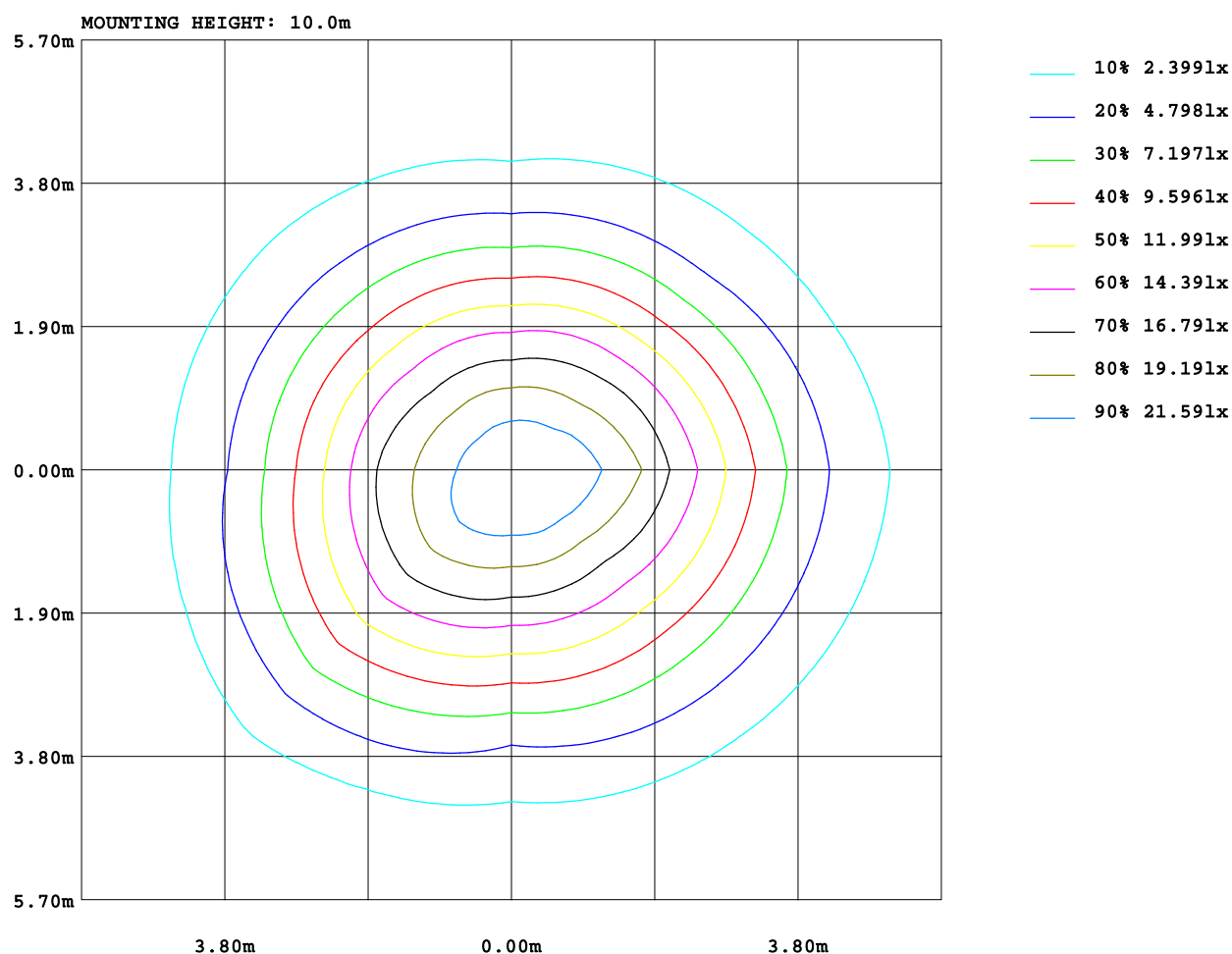
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Temperature:25.3DEG
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Test Date:07-22-2021

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Humidity:65.0%
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Remarks: 9X10W Only White Amber ON

ISOLUX DIAGRAM

Report number: EL-RP20210722-2

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 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: 9X10W Only White Amber ON

AREA LUMINOUS FLUX

Report number: EL-RP20210722-2

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 White Amber ON	DIMENSION:	SERIAL No.: 01

VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a
	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.11	0.11	0.11	0.10	0.09	0.08	0.07	0.06	0.05	0.04	1.47	0.00		
45	0.05	0.06	0.08	0.10	0.12	0.14	0.17	0.19	0.19	0.19	0.18	0.17	0.14	0.12	0.10	0.08	0.06	0.05	2.18	0.00		
40	0.05	0.07	0.10	0.13	0.19	0.25	0.32	0.36	0.35	0.35	0.35	0.31	0.24	0.18	0.13	0.10	0.08	0.06	3.63	0.00		
35	0.06	0.08	0.13	0.20	0.33	0.49	0.66	0.79	0.81	0.82	0.81	0.66	0.48	0.31	0.21	0.14	0.10	0.07	7.14	0.00		
30	0.07	0.10	0.17	0.32	0.59	1.00	1.49	1.99	2.23	2.25	2.06	1.56	1.04	0.61	0.35	0.20	0.13	0.08	16.2	7.12		
25	0.08	0.12	0.24	0.50	1.04	1.98	3.29	4.54	5.28	5.37	4.74	3.47	2.16	1.21	0.61	0.30	0.16	0.10	35.2	29.9		
20	0.08	0.15	0.32	0.74	1.68	3.47	5.83	8.05	9.40	9.63	8.59	6.37	4.02	2.13	1.00	0.44	0.21	0.12	62.2	58.2		
15	0.09	0.17	0.40	1.01	2.44	5.07	8.44	11.4	13.4	13.7	12.4	9.58	6.15	3.27	1.47	0.60	0.26	0.13	90.1	86.5		
	0.09	0.18	0.45	1.19	3.01	6.27	10.4	14.0	16.3	16.9	15.3	12.0	7.89	4.23	1.86	0.73	0.30	0.15	111	108		
	0.09	0.19	0.47	1.27	3.25	6.75	11.0	14.7	17.1	17.2	15.4	12.1	8.05	4.34	1.90	0.75	0.30	0.15	115	112		
	0.09	0.18	0.46	1.21	3.04	6.39	10.2	13.5	14.8	14.5	12.7	10.0	6.62	3.53	1.57	0.64	0.27	0.14	100	96.7		
-15	0.09	0.17	0.39	0.98	2.35	5.17	8.40	10.3	11.1	10.7	9.50	7.25	4.68	2.46	1.13	0.49	0.23	0.12	75.7	72.0		
-20	0.08	0.14	0.29	0.70	1.59	3.24	5.30	6.54	6.87	6.61	5.81	4.38	2.74	1.50	0.74	0.35	0.18	0.11	47.2	42.9		
-25	0.07	0.12	0.21	0.45	0.94	1.67	2.44	3.11	3.24	3.10	2.79	2.11	1.41	0.82	0.45	0.24	0.14	0.09	23.4	17.3		
-30	0.06	0.09	0.15	0.27	0.49	0.77	1.05	1.26	1.25	1.21	1.15	0.93	0.67	0.44	0.27	0.16	0.11	0.07	10.4	0.00		
-35	0.06	0.08	0.11	0.17	0.25	0.36	0.47	0.53	0.52	0.51	0.50	0.43	0.34	0.24	0.16	0.12	0.08	0.06	4.99	0.00		
-40	0.05	0.06	0.08	0.11	0.15	0.19	0.23	0.26	0.27	0.26	0.25	0.23	0.18	0.15	0.11	0.09	0.07	0.05	2.79	0.00		
-45	0.04	0.05	0.07	0.08	0.10	0.12	0.14	0.15	0.16	0.16	0.15	0.14	0.12	0.10	0.08	0.07	0.06	0.05	1.83	0.00		
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)				10	15	20	25	30	35	40	45		
Φ t	1.25	2.07	4.16	9.53	21.6	43.4	70.1	92.0	104	104	92.9	71.9	47.0	25.7	12.2	5.56	2.78	1.64	764			
Φ a	0.00	0.00	0.00	0.83	15.4	38.6	65.7	87.7	99.2	99.6	88.7	67.3	42.3	20.5	4.70	0.00	0.00	0.00		641		

Test System:HOP00 HPG1800
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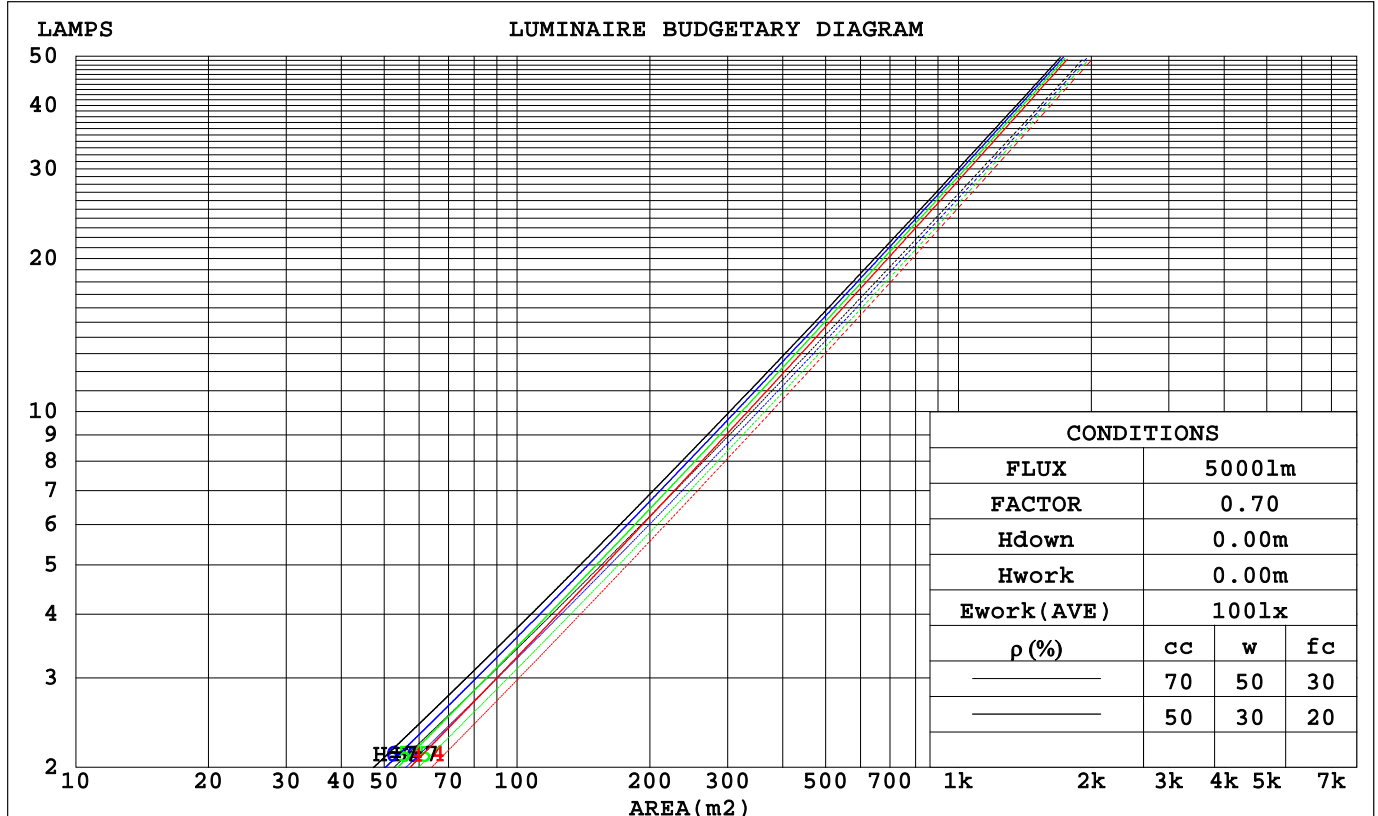
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks: 9X10W Only White Amber ON

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number: EL-RP20210722-2

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 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	.96
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.04	1.02	1.01	.90	.98	.97	.96	.95	.94	.92
2.0	1.05	1.02	.99	1.03	.90	.97	.99	.97	.95	.96	.94	.92	.93	.91	.90	.88
3.0	.90	.96	.92	.98	.94	.91	.95	.92	.89	.92	.90	.88	.90	.88	.86	.84
4.0	.95	.90	.87	.94	.89	.86	.91	.88	.85	.89	.86	.84	.87	.84	.82	.81
5.0	.91	.86	.83	.90	.85	.82	.88	.84	.81	.86	.82	.80	.84	.81	.79	.78
6.0	.87	.82	.79	.86	.82	.78	.84	.80	.78	.83	.79	.77	.81	.78	.76	.75
7.0	.83	.79	.75	.83	.78	.75	.81	.77	.74	.80	.76	.74	.78	.76	.73	.72
8.0	.80	.76	.72	.80	.75	.72	.78	.74	.72	.77	.74	.71	.76	.73	.71	.70
9.0	.77	.73	.70	.77	.72	.69	.76	.72	.69	.75	.71	.69	.74	.71	.68	.67
10.0	.75	.70	.67	.74	.70	.67	.73	.69	.67	.72	.69	.66	.72	.68	.66	.65



Test System:HOP00 HPG1800
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WEC AND CCEC

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SPECIFICATION: 9X10W 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	.154	.088	.028	.146	.083	.027	.132	.076	.024	.118	.068	.022	.106	.061	.020		
2.0	.143	.079	.024	.137	.075	.023	.125	.069	.022	.113	.063	.020	.103	.058	.018		
3.0	.134	.071	.021	.129	.069	.021	.118	.064	.019	.108	.059	.018	.099	.055	.017		
4.0	.126	.065	.019	.121	.063	.019	.112	.059	.018	.104	.056	.017	.096	.052	.016		
5.0	.119	.061	.018	.115	.059	.017	.107	.056	.016	.099	.052	.016	.092	.049	.015		
6.0	.113	.056	.016	.109	.055	.016	.102	.052	.015	.095	.050	.015	.089	.047	.014		
7.0	.107	.053	.015	.104	.052	.015	.097	.049	.014	.092	.047	.014	.086	.045	.013		
8.0	.102	.050	.014	.099	.049	.014	.093	.047	.013	.088	.045	.013	.083	.043	.012		
9.0	.097	.047	.013	.095	.046	.013	.090	.044	.013	.085	.043	.012	.081	.041	.012		
10.0	.093	.045	.012	.091	.044	.012	.086	.042	.012	.082	.041	.012	.078	.039	.011		

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	.219	.219	.219	.187	.187	.187	.128	.128	.128	.074	.074	.074	.024	.024	.024	
1.0	.199	.187	.176	.170	.160	.151	.116	.110	.105	.067	.064	.061	.021	.021	.020	
2.0	.182	.162	.145	.156	.139	.126	.107	.096	.088	.062	.056	.051	.020	.018	.017	
3.0	.168	.143	.123	.144	.123	.107	.099	.086	.075	.057	.050	.044	.018	.016	.014	
4.0	.156	.128	.106	.134	.110	.092	.092	.077	.065	.053	.045	.038	.017	.015	.013	
5.0	.146	.116	.093	.126	.100	.081	.087	.070	.057	.050	.041	.034	.016	.013	.011	
6.0	.138	.106	.084	.118	.092	.073	.082	.064	.051	.047	.038	.031	.015	.012	.010	
7.0	.131	.098	.076	.112	.085	.066	.078	.060	.047	.045	.035	.028	.015	.012	.009	
8.0	.124	.092	.069	.107	.080	.060	.074	.056	.043	.043	.033	.026	.014	.011	.008	
9.0	.119	.086	.064	.102	.075	.056	.071	.053	.040	.041	.031	.024	.013	.010	.008	
10.0	.114	.082	.060	.098	.071	.052	.068	.050	.037	.040	.030	.022	.013	.010	.007	

Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:rd
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Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
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 Remarks: 9X10W Only White Amber ON

Uncorrected UGR Table

Report number: EL-RP20210722-2

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 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	2H	-0.4	0.4	-0.1	0.6	0.8	-2.3	-1.6	-2.0	-1.4	-1.1
	3H	0.3	1.0	0.6	1.2	1.5	-2.3	-1.6	-2.0	-1.3	-1.1
	4H	0.7	1.3	1.0	1.6	1.9	-2.2	-1.6	-1.9	-1.3	-1.0
	6H	0.9	1.5	1.3	1.8	2.1	-2.1	-1.5	-1.8	-1.2	-0.9
	8H	1.0	1.6	1.4	1.9	2.2	-2.0	-1.4	-1.7	-1.1	-0.8
	12H	1.1	1.7	1.5	2.0	2.4	-1.8	-1.3	-1.5	-1.0	-0.6
4H	2H	-0.4	0.2	-0.1	0.5	0.8	-2.2	-1.6	-1.9	-1.3	-1.0
	3H	0.3	0.9	0.7	1.2	1.5	-2.1	-1.6	-1.8	-1.2	-0.9
	4H	0.8	1.3	1.2	1.6	2.0	-2.1	-1.6	-1.7	-1.2	-0.8
	6H	1.1	1.6	1.6	2.0	2.4	-1.9	-1.4	-1.4	-1.0	-0.6
	8H	1.3	1.7	1.7	2.1	2.5	-1.7	-1.3	-1.3	-0.9	-0.4
	12H	1.5	1.9	1.9	2.3	2.8	-1.4	-1.0	-0.9	-0.6	-0.1
8H	4H	0.6	1.1	1.1	1.5	1.9	-2.1	-1.7	-1.6	-1.3	-0.8
	6H	1.1	1.4	1.6	1.9	2.4	-1.8	-1.5	-1.3	-1.0	-0.5
	8H	1.3	1.6	1.8	2.1	2.6	-1.6	-1.3	-1.1	-0.8	-0.3
	12H	1.6	1.9	2.1	2.4	2.9	-1.1	-0.8	-0.6	-0.3	0.2
12H	4H	0.6	1.0	1.1	1.4	1.9	-2.1	-1.7	-1.6	-1.3	-0.8
	6H	1.0	1.3	1.5	1.8	2.3	-1.8	-1.5	-1.3	-1.0	-0.5
	8H	1.3	1.5	1.8	2.0	2.6	-1.5	-1.3	-1.0	-0.7	-0.2
Variations with the observer position at spacings:											
S = 1.0H	+ 0.8 / - 0.6					+ 1.1 / - 1.6					
1.5H	+ 1.8 / - 1.0					+ 1.6 / - 1.1					
2.0H	+ 1.5 / - 1.3					+ 1.9 / - 2.1					

CIE Pub.117 Corrected 764.2 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.9)

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 White Amber ON

UTILIZATION FACTORS TABLE

Report number: EL-RP20210722-2

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 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	86	81	77	85	80	77	73
0.80	94	89	85	93	88	85	92	87	84	80
1.00	98	93	89	97	92	89	95	92	88	84
1.25	102	97	94	101	96	93	99	95	92	87
1.50	105	100	97	103	99	96	101	97	95	90
2.00	108	103	100	106	102	99	103	100	97	91
2.50	109	105	102	107	104	101	104	101	99	92
3.00	111	107	105	109	106	103	105	102	100	93
4.00	113	110	108	110	108	106	106	104	103	95
5.00	114	112	110	112	110	108	107	106	104	96
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

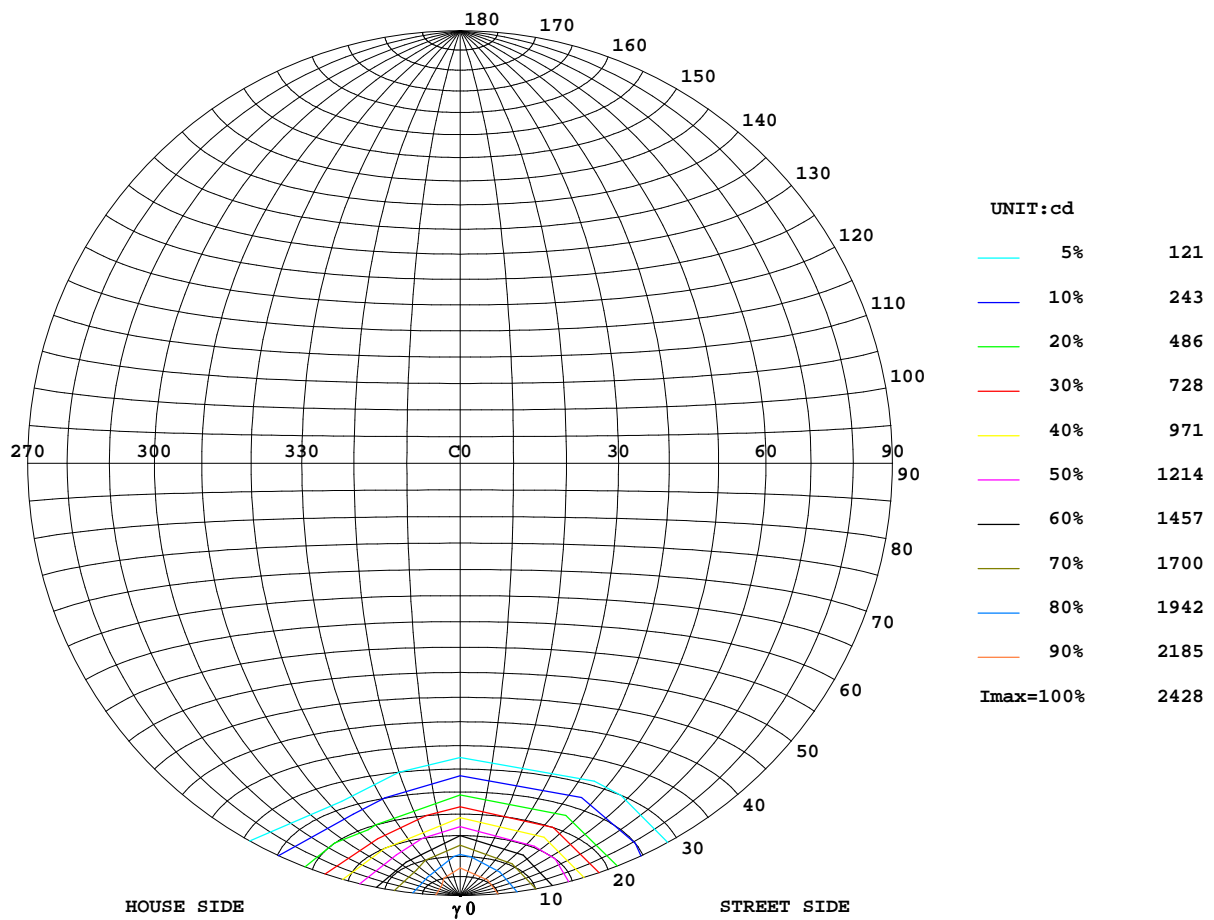
Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:rd
 Test Date:07-22-2021

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

Report number: EL-RP20210722-2

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 White Amber ON	DIMENSION:	SERIAL No.: 01



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

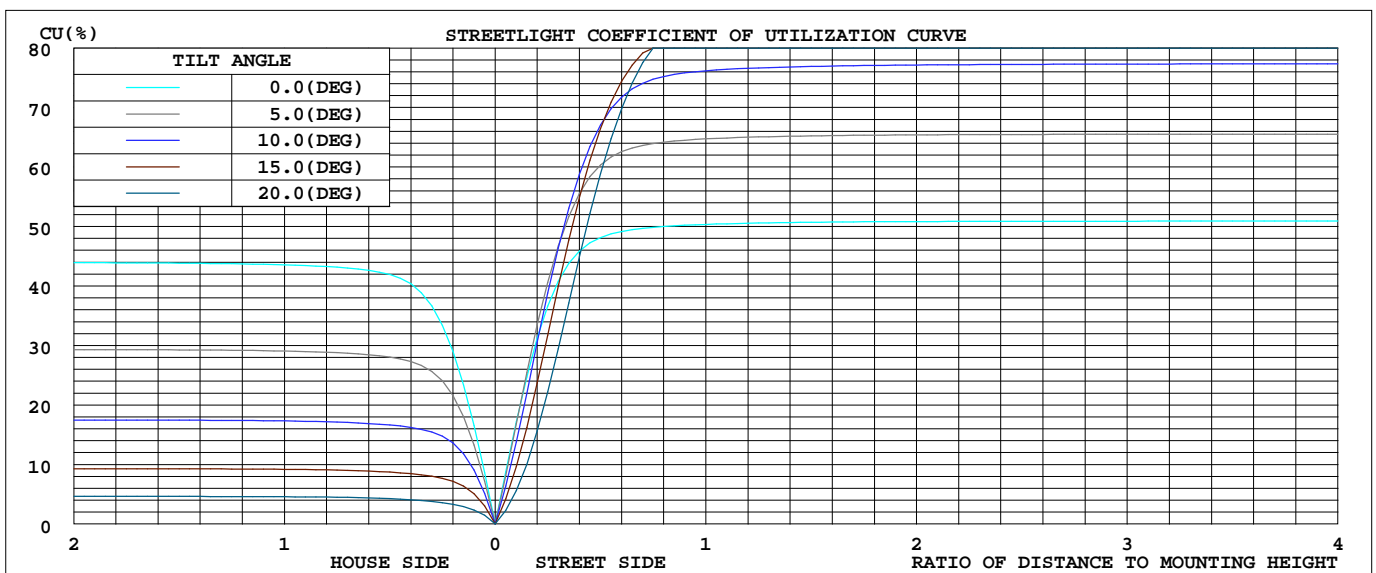
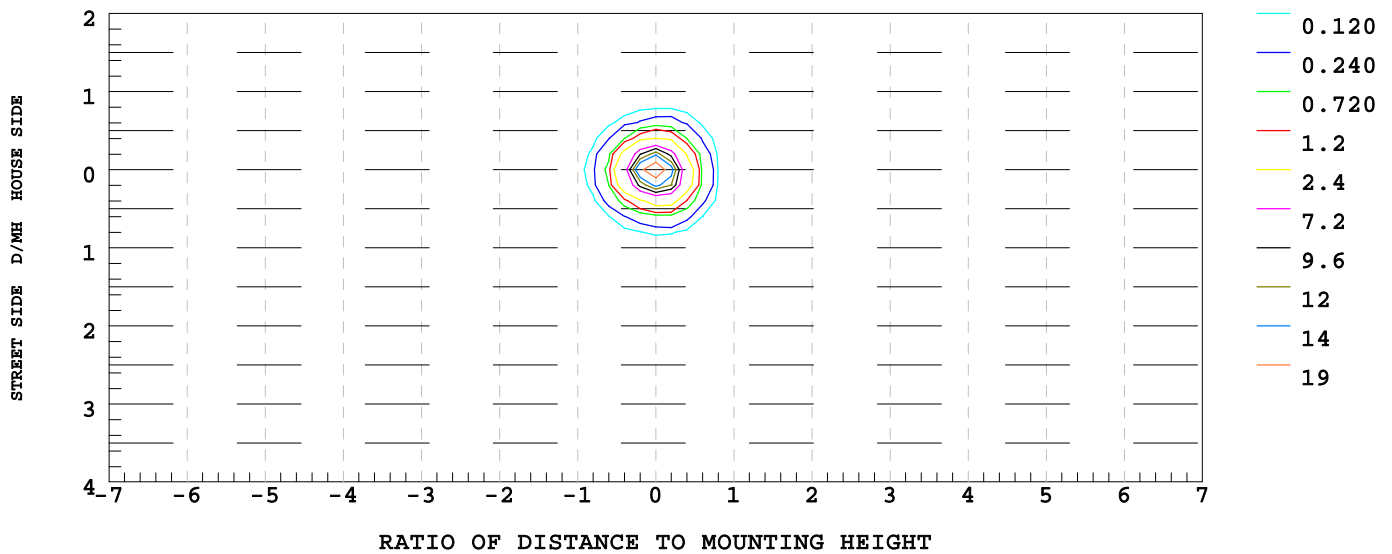
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.000 m
 Remarks: 9X10W Only White Amber ON

ISOLUX DIAGRAM

Report number: EL-RP20210722-2

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 White Amber ON	DIMENSION:	SERIAL No.: 01

ILLUMINANCE AT MH=10 m,Enadir = 23.99 lx



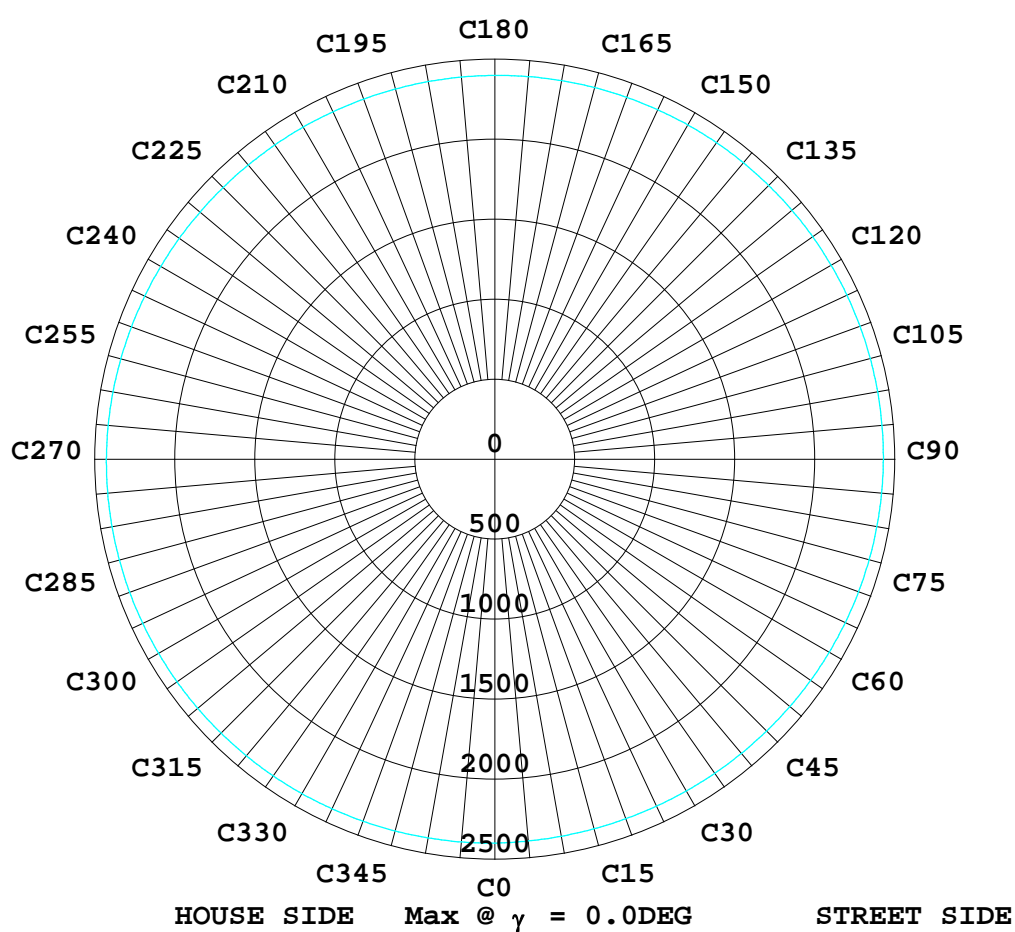
Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:rd
 Test Date:07-22-2021

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

ISOCANDELA DIAGRAM

Report number: EL-RP20210722-2

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 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: 9X10W Only White Amber ON

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: EL-RP20210722-2

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 White Amber ON	DIMENSION:	SERIAL No.: 01

UNIT: cd

C(DEG) γ (DEG)	0	45	90	135	180	225	270	315
0.0	2399	2402	2428	2421	2399	2402	2428	2421
5.0	2330	2218	2187	2234	2133	2064	2082	2145
10.0	1994	1736	1712	1882	1779	1580	1551	1726
15.0	1452	1248	1168	1420	1185	1045	968	1145
20.0	877	726	583	920	630	550	434	586
25.0	419	327	223	391	264	232	144	249
30.0	172	134	86.1	163	102	98.3	58.4	97.3
35.0	69.1	58.4	43.5	63.7	39.5	44.1	30.5	40.6
40.0	33.0	27.2	24.8	28.0	20.0	22.2	18.1	22.2
45.0	20.0	16.5	16.5	16.4	12.9	14.3	11.1	14.4
50.0	13.4	11.3	11.2	10.9	9.60	10.5	7.55	10.6
55.0	10.4	8.57	7.42	8.38	8.12	8.00	3.77	8.32
60.0	9.79	6.59	4.48	6.59	6.65	5.50	2.11	6.14
65.0	7.23	3.45	2.56	4.09	4.41	2.68	1.02	2.81
70.0	5.24	1.60	1.66	1.66	3.20	1.60	0.64	1.60
75.0	4.03	1.02	1.28	1.08	2.11	1.08	0.58	1.08
80.0	2.43	0.83	1.21	0.90	0.83	0.90	0.45	0.90
85.0	1.47	0.83	1.08	0.83	0.45	0.83	0.45	0.83
90.0	1.21	0.90	1.08	0.83	0.38	0.77	0.45	0.83
95.0	1.15	0.96	1.08	0.96	0.45	0.77	0.51	0.77
100.0	1.15	1.02	1.02	0.96	0.51	0.77	0.58	0.77
105.0	1.21	1.08	1.02	1.02	0.58	0.77	0.58	0.77
110.0	1.53	1.34	1.15	1.21	0.64	0.77	0.64	0.83
115.0	2.24	1.98	1.40	1.79	0.77	0.90	0.77	0.96
120.0	3.71	3.26	2.36	3.07	1.02	1.08	0.90	1.21
125.0	6.08	5.63	4.60	5.31	1.53	1.40	1.28	1.66
130.0	9.02	8.96	8.32	8.70	2.24	1.98	1.92	2.36
135.0	12.0	12.6	12.6	12.7	3.20	2.94	2.94	3.32
140.0	15.1	16.0	16.6	16.5	4.22	4.09	4.16	4.48
145.0	17.5	18.4	19.0	18.9	5.24	5.37	5.50	5.69
150.0	18.4	18.7	19.0	19.5	6.01	6.40	6.72	6.72
155.0	17.7	17.0	17.0	18.3	6.52	7.10	7.36	7.29
160.0	15.5	14.4	14.1	16.0	6.78	7.42	7.68	7.48
165.0	12.8	11.5	11.0	12.8	6.78	7.29	7.61	7.29
170.0	10.6	9.28	8.76	9.98	6.65	6.91	7.29	6.97
175.0	8.83	7.74	7.68	8.19	6.84	6.72	7.10	6.84
180.0	7.74	7.04	7.23	7.23	7.36	6.84	7.04	7.10

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