

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P568415

Luminaire Tested: **22CGTX-45-L850**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568415
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)
Test Lab: INNOVATION CENTER
Issue Date: 9/19/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CGTX-45-L850
Description: 2X2 4500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

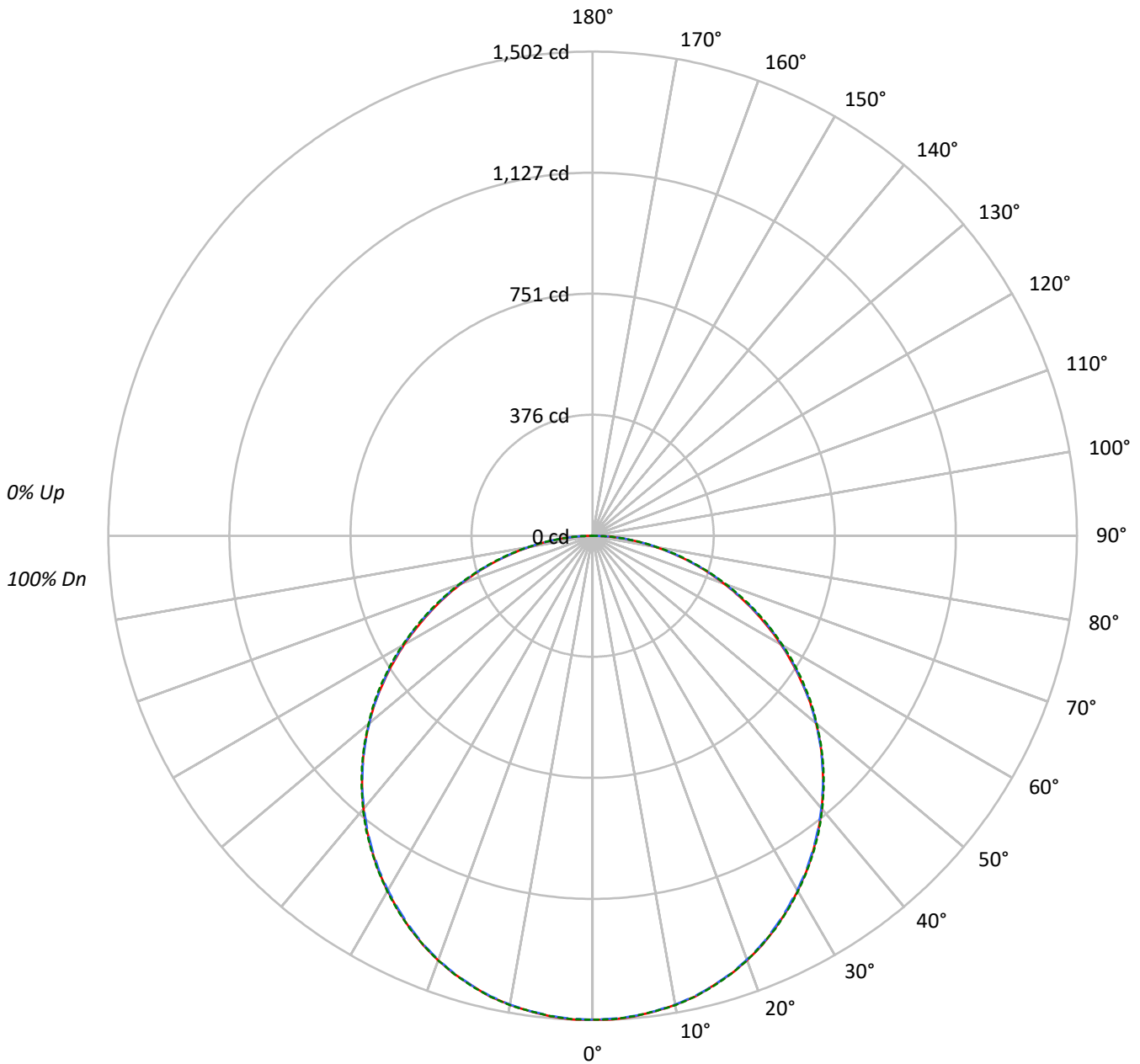
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4393.0 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 37.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	108	103	99	95	106	101	97	93	97	94	90	93	90	88	89	87	85	83								
2	98	90	83	77	96	88	81	76	84	79	74	81	77	73	78	74	71	69								
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58								
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49								
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42								
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37								
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33								
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29								
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26								
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4039	4039	4039
5°	4042	4038	4041
10°	4038	4034	4040
15°	4025	4025	4030
20°	4013	4007	4013
25°	3986	3977	3988
30°	3953	3944	3957
35°	3919	3911	3926
40°	3883	3875	3891
45°	3839	3836	3851
50°	3788	3785	3798
55°	3712	3723	3747
60°	3631	3647	3671
65°	3524	3548	3577
70°	3401	3437	3466
75°	3266	3290	3328
80°	3071	3106	3129
85°	2794	2816	2862



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.1	3.2
10°-20°	407.8	9.3
20°-30°	618.0	14.1
30°-40°	746.3	17.0
40°-50°	778.7	17.7
50°-60°	710.1	16.2
60°-70°	551.9	12.6
70°-80°	334.8	7.6
80°-90°	103.2	2.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1167.9	26.6
0°-40°	1914.2	43.6
0°-60°	3403.0	77.5
0°-90°	4393.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4393.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1501	1501	1501	1501	1501	
5°	1496	1494	1495	1494	1496	142
15°	1445	1445	1445	1445	1446	408
25°	1342	1340	1340	1342	1343	619
35°	1193	1191	1191	1195	1195	746
45°	1009	1008	1008	1013	1012	778
55°	791	793	794	796	799	708
65°	553	555	557	559	562	548
75°	314	313	316	319	320	332
85°	90	91	91	94	93	102
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1501.0	1501.0	1501.0	1501.0	1501.0
2.5°	1501.7	1499.5	1499.5	1498.8	1501.0
5°	1496.5	1494.3	1495.0	1494.3	1495.8
7.5°	1487.5	1486.0	1486.8	1486.0	1487.5
10°	1477.8	1476.3	1476.3	1476.3	1478.6
12.5°	1464.4	1462.9	1462.9	1462.9	1464.4
15°	1444.9	1444.9	1444.9	1444.9	1446.4
17.5°	1425.5	1423.2	1424.0	1423.2	1425.5
20°	1401.5	1398.5	1399.3	1399.3	1401.5
22.5°	1373.9	1370.9	1371.6	1371.6	1373.1
25°	1342.4	1339.5	1339.5	1341.7	1343.2
27.5°	1308.0	1305.8	1305.1	1308.8	1309.5
30°	1272.1	1270.7	1269.2	1272.9	1273.6
32.5°	1234.0	1232.5	1231.8	1235.5	1235.5
35°	1192.9	1191.4	1190.6	1195.1	1195.1
37.5°	1150.2	1149.5	1148.0	1152.5	1153.2
40°	1105.4	1103.9	1103.1	1107.6	1107.6
42.5°	1058.3	1056.8	1057.5	1061.2	1060.5
45°	1008.9	1008.1	1008.1	1012.6	1011.9
47.5°	958.0	956.5	957.3	961.8	960.3
50°	904.9	903.4	904.2	908.7	907.2
52.5°	850.3	848.8	850.3	854.8	854.8
55°	791.3	792.8	793.5	795.7	798.7
57.5°	733.7	734.4	737.4	738.9	741.2
60°	674.6	676.1	677.6	680.6	682.1
62.5°	614.0	616.3	620.7	620.7	622.2
65°	553.4	554.9	557.2	559.4	561.7
67.5°	493.6	494.3	498.1	498.8	501.1
70°	432.3	433.0	436.8	437.5	440.5
72.5°	373.9	373.2	376.2	379.9	379.9
75°	314.1	313.4	316.4	319.3	320.1
77.5°	255.8	255.0	257.3	261.0	261.0
80°	198.2	199.7	200.4	203.4	201.9
82.5°	142.8	143.6	144.3	146.6	145.1
85°	90.5	91.2	91.2	93.5	92.7
87.5°	42.6	41.9	41.9	43.4	42.6
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)