

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: P568411

Luminaire Tested: **22CGTX-45-L940**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568411
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-L940
Description: 2X2 4500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

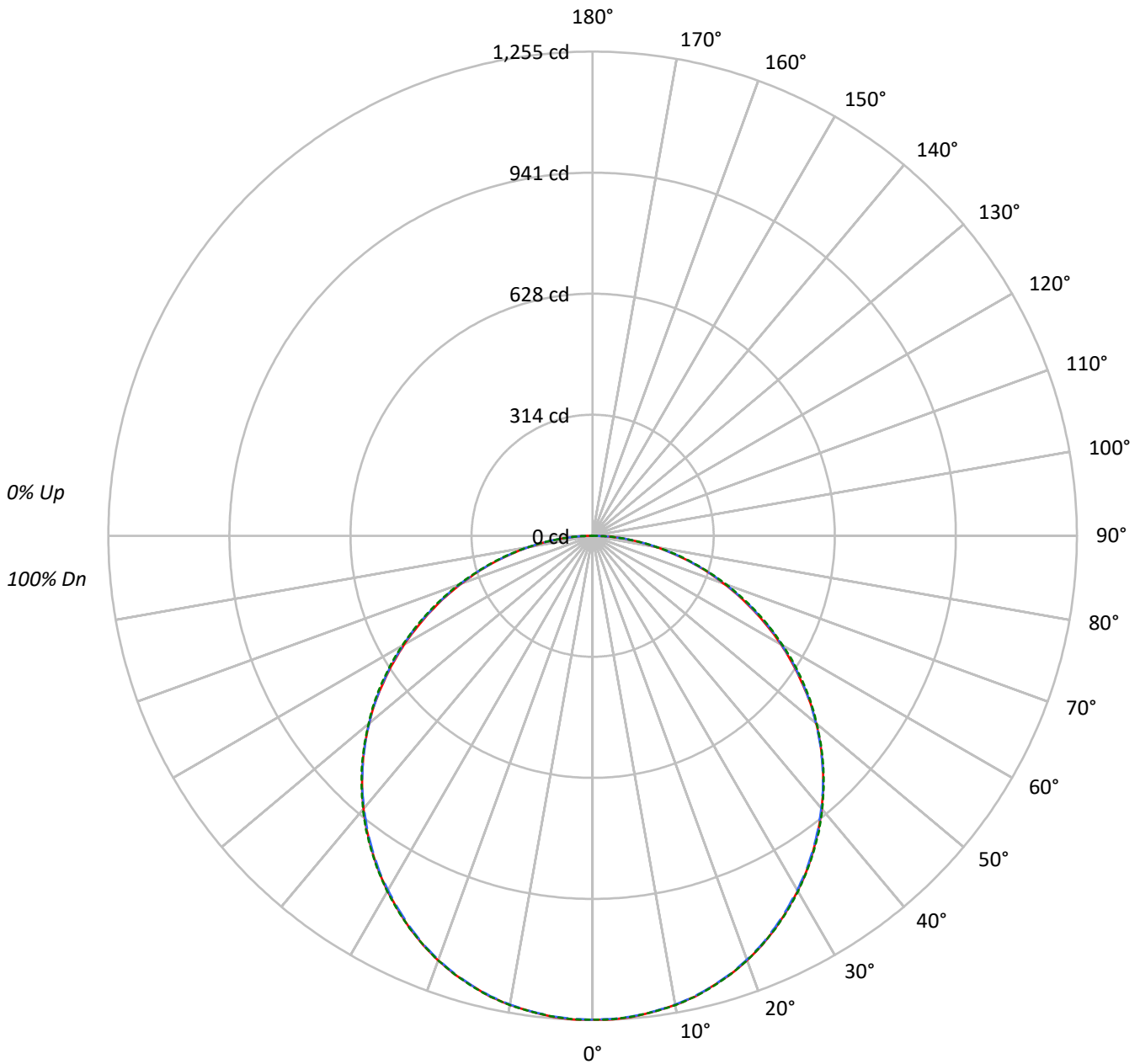
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3671.0 lumens
Efficiency: N/A
Efficacy: 97.9 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°	3375	3375	3375
5°	3378	3375	3376
10°	3374	3371	3376
15°	3364	3364	3367
20°	3354	3349	3354
25°	3331	3323	3333
30°	3303	3296	3307
35°	3275	3268	3281
40°	3245	3238	3251
45°	3209	3206	3218
50°	3166	3163	3174
55°	3102	3111	3132
60°	3034	3047	3068
65°	2945	2965	2988
70°	2842	2872	2896
75°	2729	2749	2781
80°	2566	2596	2614
85°	2334	2353	2393



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.7	3.2
10°-20°	340.8	9.3
20°-30°	516.4	14.1
30°-40°	623.7	17.0
40°-50°	650.7	17.7
50°-60°	593.4	16.2
60°-70°	461.2	12.6
70°-80°	279.8	7.6
80°-90°	86.2	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°	975.9	26.6
0°-40°	1599.6	43.6
0°-60°	2843.7	77.5
0°-90°	3671.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3671.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1254	1254	1254	1254	1254	
5°	1251	1249	1249	1249	1250	119
15°	1207	1207	1207	1207	1209	341
25°	1122	1119	1119	1121	1122	517
35°	997	996	995	999	999	624
45°	843	842	842	846	846	650
55°	661	662	663	665	668	592
65°	462	464	466	468	469	458
75°	262	262	264	267	268	277
85°	76	76	76	78	78	85
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1254.3	1254.3	1254.3	1254.3	1254.3
2.5°	1254.9	1253.1	1253.1	1252.4	1254.3
5°	1250.6	1248.7	1249.3	1248.7	1249.9
7.5°	1243.1	1241.8	1242.4	1241.8	1243.1
10°	1234.9	1233.7	1233.7	1233.7	1235.6
12.5°	1223.7	1222.4	1222.4	1222.4	1223.7
15°	1207.4	1207.4	1207.4	1207.4	1208.7
17.5°	1191.2	1189.3	1189.9	1189.3	1191.2
20°	1171.2	1168.7	1169.3	1169.3	1171.2
22.5°	1148.1	1145.6	1146.2	1146.2	1147.4
25°	1121.8	1119.3	1119.3	1121.2	1122.4
27.5°	1093.1	1091.2	1090.6	1093.7	1094.3
30°	1063.1	1061.8	1060.6	1063.7	1064.3
32.5°	1031.2	1029.9	1029.3	1032.4	1032.4
35°	996.8	995.6	994.9	998.7	998.7
37.5°	961.2	960.6	959.3	963.1	963.7
40°	923.7	922.4	921.8	925.6	925.6
42.5°	884.3	883.1	883.7	886.8	886.2
45°	843.1	842.5	842.5	846.2	845.6
47.5°	800.6	799.3	800.0	803.7	802.5
50°	756.2	755.0	755.6	759.3	758.1
52.5°	710.6	709.3	710.6	714.3	714.3
55°	661.2	662.5	663.1	665.0	667.5
57.5°	613.1	613.7	616.2	617.5	619.3
60°	563.7	565.0	566.2	568.7	570.0
62.5°	513.1	515.0	518.7	518.7	520.0
65°	462.5	463.7	465.6	467.5	469.3
67.5°	412.5	413.1	416.2	416.9	418.7
70°	361.2	361.9	365.0	365.6	368.1
72.5°	312.5	311.9	314.4	317.5	317.5
75°	262.5	261.9	264.4	266.9	267.5
77.5°	213.7	213.1	215.0	218.1	218.1
80°	165.6	166.9	167.5	170.0	168.7
82.5°	119.4	120.0	120.6	122.5	121.2
85°	75.6	76.2	76.2	78.1	77.5
87.5°	35.6	35.0	35.0	36.2	35.6
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)