

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: P568447

Luminaire Tested: **24CGTX-45HE-L835**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568447
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/19/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CGTX-45HE-L835
Description: 2X4 4500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

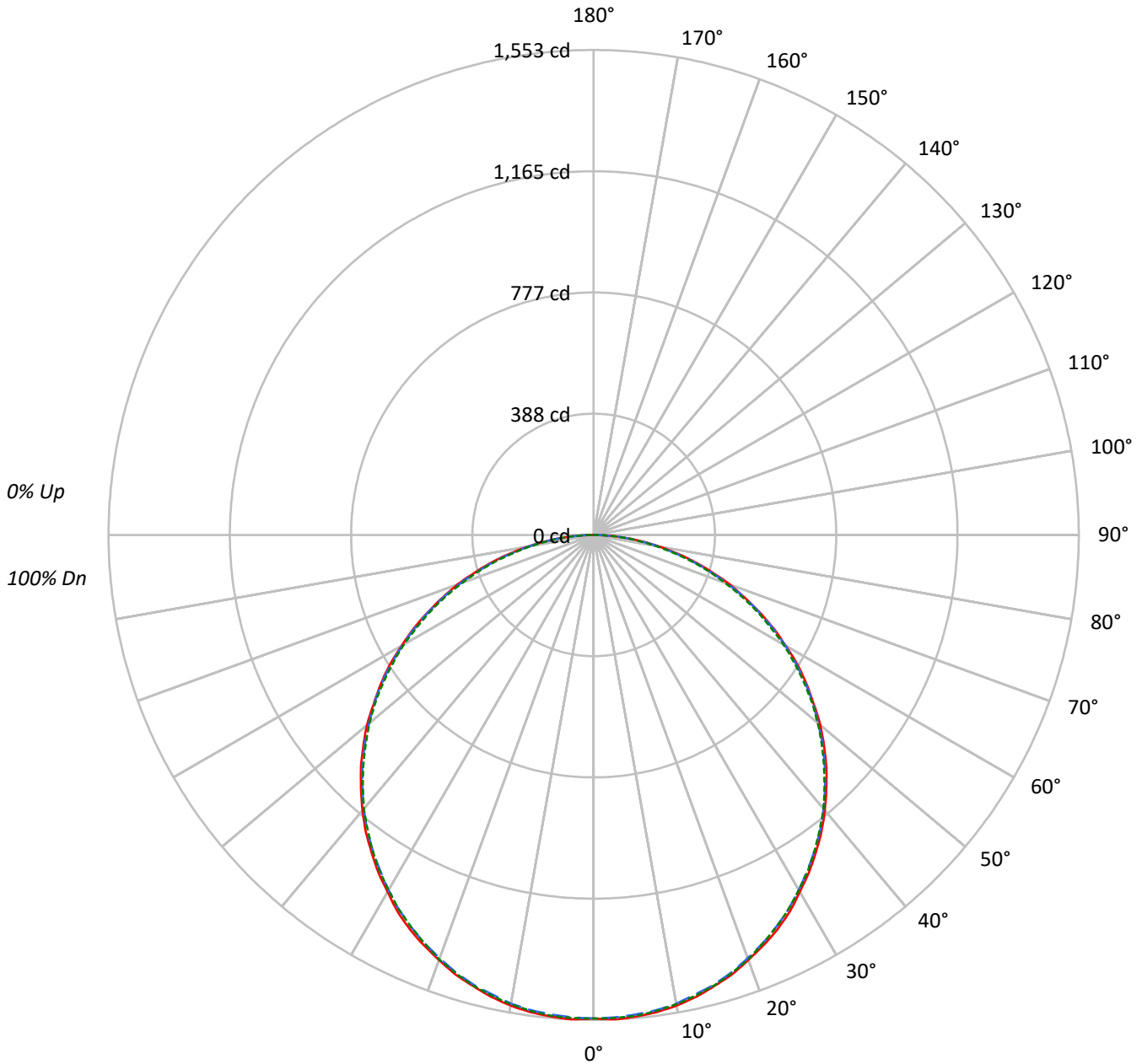
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4550.0 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 34.7
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	76	72	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	79	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	32								
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	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	38	31	26	37	30	26	37	30	25	36	30	25	24								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2083	2083	2083
5°	2091	2082	2088
10°	2091	2082	2085
15°	2083	2076	2080
20°	2074	2065	2071
25°	2068	2055	2055
30°	2051	2040	2040
35°	2037	2026	2026
40°	2022	2011	2011
45°	2005	1992	1984
50°	1983	1964	1959
55°	1951	1941	1925
60°	1910	1904	1886
65°	1864	1857	1829
70°	1824	1789	1754
75°	1753	1707	1672
80°	1650	1616	1547
85°	1507	1473	1405



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.7	3.2
10°-20°	420.7	9.2
20°-30°	638.5	14.0
30°-40°	772.5	17.0
40°-50°	807.0	17.7
50°-60°	738.2	16.2
60°-70°	574.6	12.6
70°-80°	346.3	7.6
80°-90°	105.5	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°	1205.9	26.5
0°-40°	1978.4	43.5
0°-60°	3523.6	77.4
0°-90°	4550.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4550.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1548	1548	1548	1548	1548	
5°	1548	1544	1542	1542	1546	147
15°	1495	1491	1491	1488	1493	422
25°	1393	1386	1384	1382	1384	642
35°	1240	1236	1233	1233	1233	776
45°	1054	1047	1047	1043	1043	812
55°	832	830	827	821	821	743
65°	586	586	583	575	575	581
75°	337	333	328	322	322	355
85°	98	95	95	91	91	109
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1548.4	1548.4	1548.4	1548.4	1548.4
2.5°	1552.9	1548.4	1546.2	1546.2	1548.4
5°	1548.4	1544.0	1541.8	1541.8	1546.2
7.5°	1541.8	1535.1	1535.1	1532.9	1537.3
10°	1530.7	1524.0	1524.0	1521.8	1526.2
12.5°	1515.1	1508.5	1506.3	1506.3	1510.7
15°	1495.2	1490.7	1490.7	1488.5	1493.0
17.5°	1475.2	1468.6	1468.6	1466.3	1470.8
20°	1448.6	1444.2	1441.9	1441.9	1446.4
22.5°	1422.0	1417.5	1415.3	1415.3	1415.3
25°	1393.1	1386.5	1384.3	1382.0	1384.3
27.5°	1359.9	1351.0	1351.0	1348.8	1351.0
30°	1319.9	1315.5	1313.3	1311.1	1313.3
32.5°	1282.2	1275.6	1273.3	1275.6	1275.6
35°	1240.1	1235.6	1233.4	1233.4	1233.4
37.5°	1197.9	1191.3	1191.3	1189.0	1189.0
40°	1151.3	1146.9	1144.7	1144.7	1144.7
42.5°	1102.5	1098.1	1095.9	1093.7	1093.7
45°	1053.7	1047.1	1047.1	1042.6	1042.6
47.5°	1000.5	996.0	993.8	989.4	989.4
50°	947.2	942.8	938.4	938.4	936.1
52.5°	887.3	887.3	885.1	880.7	880.7
55°	831.9	829.7	827.4	820.8	820.8
57.5°	774.2	772.0	767.6	760.9	760.9
60°	709.9	709.9	707.7	698.8	701.0
62.5°	650.0	647.8	645.5	638.9	636.7
65°	585.6	585.6	583.4	574.6	574.6
67.5°	523.5	523.5	519.1	510.2	510.2
70°	463.6	457.0	454.8	448.1	445.9
72.5°	397.1	394.9	390.4	383.8	383.8
75°	337.2	332.8	328.3	321.7	321.7
77.5°	272.9	268.4	264.0	261.8	257.3
80°	213.0	210.7	208.5	201.9	199.7
82.5°	153.1	150.8	148.6	146.4	144.2
85°	97.6	95.4	95.4	91.0	91.0
87.5°	42.1	44.4	39.9	42.1	39.9
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)