

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: P568502

Luminaire Tested: **24CGTX-45HE-L950**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568502
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-L950
Description: 2X4 4500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

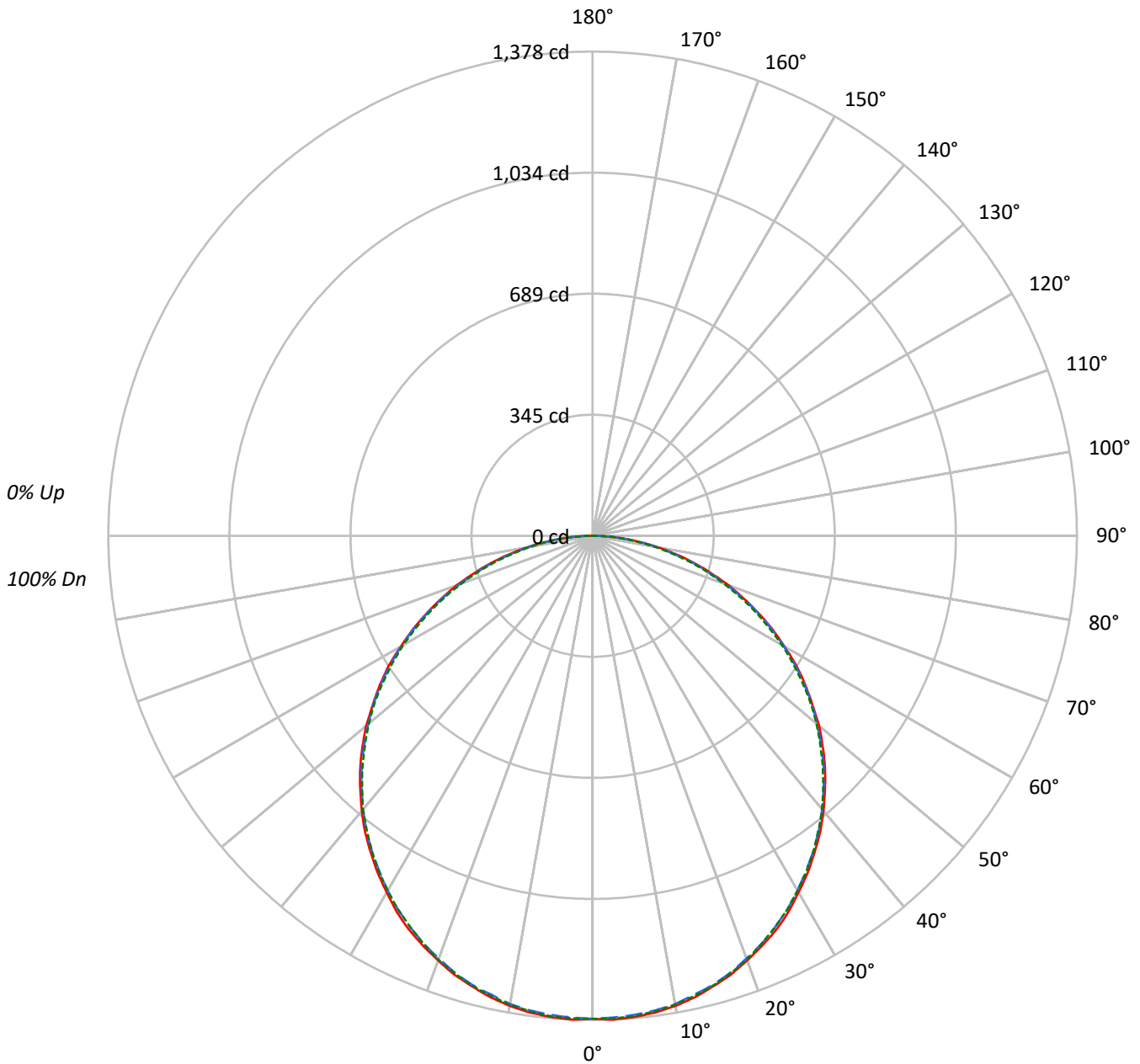
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4039.0 lumens
Efficiency: N/A
Efficacy: 116.4 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									
RC	80									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°	1849	1849	1849
5°	1856	1848	1854
10°	1856	1848	1851
15°	1849	1843	1846
20°	1841	1833	1838
25°	1836	1824	1824
30°	1820	1811	1811
35°	1808	1798	1798
40°	1795	1785	1785
45°	1780	1769	1761
50°	1760	1744	1739
55°	1732	1723	1709
60°	1696	1690	1675
65°	1655	1649	1624
70°	1619	1588	1557
75°	1556	1515	1484
80°	1464	1434	1373
85°	1337	1308	1246



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.3	3.2
10°-20°	373.5	9.2
20°-30°	566.8	14.0
30°-40°	685.7	17.0
40°-50°	716.4	17.7
50°-60°	655.3	16.2
60°-70°	510.0	12.6
70°-80°	307.4	7.6
80°-90°	93.7	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°	1070.5	26.5
0°-40°	1756.2	43.5
0°-60°	3127.9	77.4
0°-90°	4039.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4039.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1374	1374	1374	1374	1374	
5°	1374	1371	1369	1369	1372	131
15°	1327	1323	1323	1321	1325	375
25°	1237	1231	1229	1227	1229	570
35°	1101	1097	1095	1095	1095	689
45°	935	930	930	926	926	721
55°	738	736	734	729	729	660
65°	520	520	518	510	510	515
75°	299	295	291	286	286	315
85°	87	85	85	81	81	96
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1374.5	1374.5	1374.5	1374.5	1374.5
2.5°	1378.5	1374.5	1372.5	1372.5	1374.5
5°	1374.5	1370.6	1368.6	1368.6	1372.5
7.5°	1368.6	1362.7	1362.7	1360.7	1364.7
10°	1358.8	1352.9	1352.9	1350.9	1354.8
12.5°	1345.0	1339.1	1337.1	1337.1	1341.0
15°	1327.3	1323.3	1323.3	1321.3	1325.3
17.5°	1309.5	1303.6	1303.6	1301.7	1305.6
20°	1285.9	1282.0	1280.0	1280.0	1283.9
22.5°	1262.3	1258.3	1256.4	1256.4	1256.4
25°	1236.7	1230.8	1228.8	1226.8	1228.8
27.5°	1207.1	1199.3	1199.3	1197.3	1199.3
30°	1171.7	1167.7	1165.8	1163.8	1165.8
32.5°	1138.2	1132.3	1130.3	1132.3	1132.3
35°	1100.8	1096.9	1094.9	1094.9	1094.9
37.5°	1063.4	1057.5	1057.5	1055.5	1055.5
40°	1022.0	1018.1	1016.1	1016.1	1016.1
42.5°	978.7	974.8	972.8	970.8	970.8
45°	935.4	929.5	929.5	925.5	925.5
47.5°	888.1	884.2	882.2	878.3	878.3
50°	840.9	836.9	833.0	833.0	831.0
52.5°	787.7	787.7	785.7	781.8	781.8
55°	738.5	736.5	734.5	728.6	728.6
57.5°	687.3	685.3	681.4	675.4	675.4
60°	630.2	630.2	628.2	620.3	622.3
62.5°	577.0	575.0	573.0	567.1	565.2
65°	519.9	519.9	517.9	510.0	510.0
67.5°	464.7	464.7	460.8	452.9	452.9
70°	411.6	405.7	403.7	397.8	395.8
72.5°	352.5	350.5	346.6	340.7	340.7
75°	299.3	295.4	291.4	285.5	285.5
77.5°	242.2	238.3	234.3	232.4	228.4
80°	189.0	187.1	185.1	179.2	177.2
82.5°	135.9	133.9	131.9	130.0	128.0
85°	86.6	84.7	84.7	80.7	80.7
87.5°	37.4	39.4	35.4	37.4	35.4
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)