

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: P568425

Luminaire Tested: **24CGTX-45HE-L830**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568425
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-L830
Description: 2X4 4500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

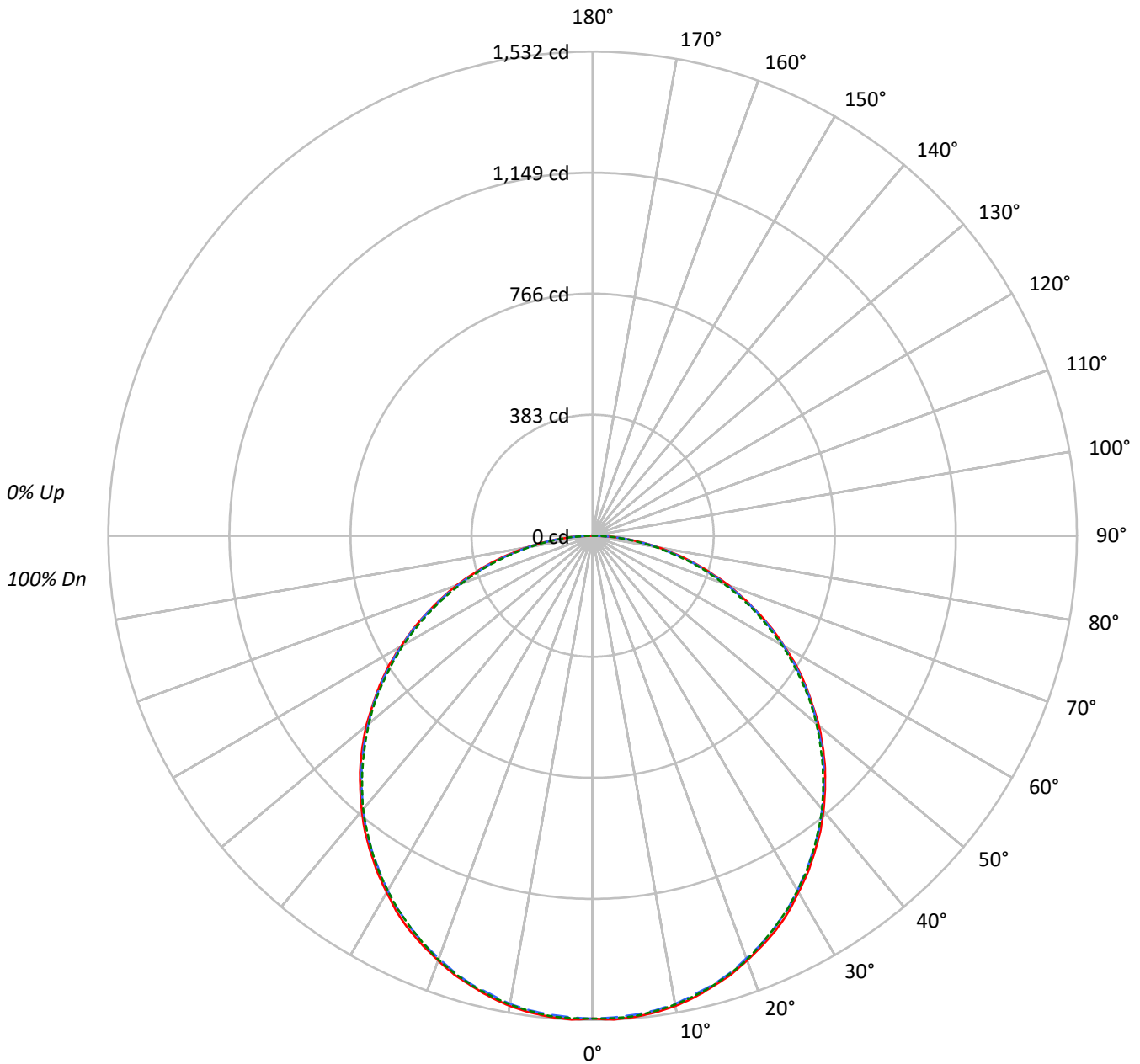
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4490.0 lumens
Efficiency: N/A
Efficacy: 129.4 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					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	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°	2056	2056	2056
5°	2064	2055	2061
10°	2064	2055	2058
15°	2055	2049	2052
20°	2047	2037	2044
25°	2041	2028	2028
30°	2024	2014	2014
35°	2010	1999	1999
40°	1995	1984	1984
45°	1979	1966	1958
50°	1957	1938	1934
55°	1926	1915	1900
60°	1885	1879	1862
65°	1840	1833	1805
70°	1800	1766	1731
75°	1730	1684	1650
80°	1629	1595	1526
85°	1487	1453	1386



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.8	3.2
10°-20°	415.2	9.2
20°-30°	630.0	14.0
30°-40°	762.3	17.0
40°-50°	796.4	17.7
50°-60°	728.5	16.2
60°-70°	567.0	12.6
70°-80°	341.7	7.6
80°-90°	104.2	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°	1190.0	26.5
0°-40°	1952.3	43.5
0°-60°	3477.1	77.4
0°-90°	4490.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4490.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1528	1528	1528	1528	1528	
5°	1528	1524	1521	1521	1526	145
15°	1476	1471	1471	1469	1473	417
25°	1375	1368	1366	1364	1366	633
35°	1224	1219	1217	1217	1217	766
45°	1040	1033	1033	1029	1029	801
55°	821	819	816	810	810	733
65°	578	578	576	567	567	573
75°	333	328	324	317	317	350
85°	96	94	94	90	90	107
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1528.0	1528.0	1528.0	1528.0	1528.0
2.5°	1532.4	1528.0	1525.8	1525.8	1528.0
5°	1528.0	1523.6	1521.4	1521.4	1525.8
7.5°	1521.4	1514.9	1514.9	1512.7	1517.1
10°	1510.5	1503.9	1503.9	1501.7	1506.1
12.5°	1495.2	1488.6	1486.4	1486.4	1490.8
15°	1475.5	1471.1	1471.1	1468.9	1473.3
17.5°	1455.8	1449.2	1449.2	1447.0	1451.4
20°	1429.5	1425.1	1422.9	1422.9	1427.3
22.5°	1403.2	1398.8	1396.7	1396.7	1396.7
25°	1374.8	1368.2	1366.0	1363.8	1366.0
27.5°	1341.9	1333.2	1333.2	1331.0	1333.2
30°	1302.5	1298.1	1296.0	1293.8	1296.0
32.5°	1265.3	1258.7	1256.5	1258.7	1258.7
35°	1223.7	1219.3	1217.1	1217.1	1217.1
37.5°	1182.1	1175.6	1175.6	1173.4	1173.4
40°	1136.1	1131.8	1129.6	1129.6	1129.6
42.5°	1088.0	1083.6	1081.4	1079.2	1079.2
45°	1039.8	1033.3	1033.3	1028.9	1028.9
47.5°	987.3	982.9	980.7	976.3	976.3
50°	934.7	930.4	926.0	926.0	923.8
52.5°	875.6	875.6	873.5	869.1	869.1
55°	820.9	818.7	816.5	810.0	810.0
57.5°	764.0	761.8	757.4	750.9	750.9
60°	700.5	700.5	698.3	689.6	691.8
62.5°	641.4	639.2	637.0	630.5	628.3
65°	577.9	577.9	575.7	567.0	567.0
67.5°	516.6	516.6	512.3	503.5	503.5
70°	457.5	451.0	448.8	442.2	440.0
72.5°	391.9	389.7	385.3	378.7	378.7
75°	332.7	328.4	324.0	317.4	317.4
77.5°	269.3	264.9	260.5	258.3	253.9
80°	210.2	208.0	205.8	199.2	197.0
82.5°	151.0	148.9	146.7	144.5	142.3
85°	96.3	94.1	94.1	89.8	89.8
87.5°	41.6	43.8	39.4	41.6	39.4
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)