

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: P568490

Luminaire Tested: **24CGTX-40HE-L850**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568490
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-40HE-L850
Description: 2X4 4000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

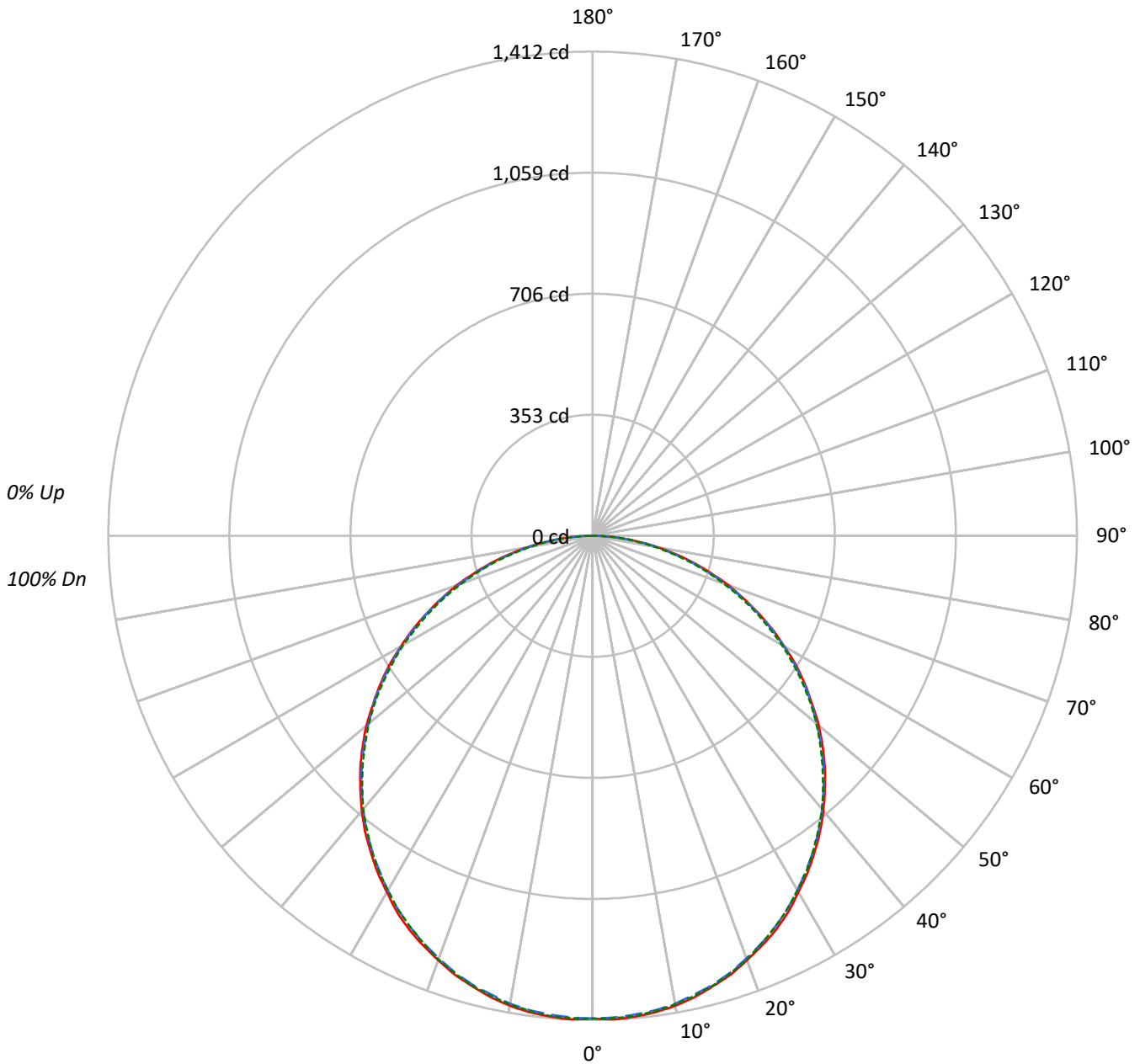
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4137.0 lumens
Efficiency: N/A
Efficacy: 137.9 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): 30
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°	1894	1894	1894
5°	1902	1893	1899
10°	1901	1893	1896
15°	1894	1888	1891
20°	1886	1877	1883
25°	1881	1868	1868
30°	1865	1855	1855
35°	1852	1842	1842
40°	1839	1828	1828
45°	1823	1811	1804
50°	1803	1786	1782
55°	1774	1765	1751
60°	1737	1731	1715
65°	1695	1689	1663
70°	1659	1627	1595
75°	1594	1552	1521
80°	1500	1469	1406
85°	1369	1338	1277



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.4	3.2
10°-20°	382.5	9.2
20°-30°	580.5	14.0
30°-40°	702.4	17.0
40°-50°	733.8	17.7
50°-60°	671.2	16.2
60°-70°	522.4	12.6
70°-80°	314.9	7.6
80°-90°	95.9	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°	1096.4	26.5
0°-40°	1798.8	43.5
0°-60°	3203.8	77.4
0°-90°	4137.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4137.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1408	1408	1408	1408	1408	
5°	1408	1404	1402	1402	1406	134
15°	1360	1355	1355	1353	1357	384
25°	1267	1261	1259	1257	1259	583
35°	1128	1124	1122	1122	1122	706
45°	958	952	952	948	948	738
55°	756	754	752	746	746	676
65°	532	532	530	522	522	528
75°	307	303	298	292	292	323
85°	89	87	87	83	83	99
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1407.9	1407.9	1407.9	1407.9	1407.9
2.5°	1411.9	1407.9	1405.9	1405.9	1407.9
5°	1407.9	1403.8	1401.8	1401.8	1405.9
7.5°	1401.8	1395.8	1395.8	1393.7	1397.8
10°	1391.7	1385.7	1385.7	1383.7	1387.7
12.5°	1377.6	1371.6	1369.5	1369.5	1373.6
15°	1359.5	1355.4	1355.4	1353.4	1357.4
17.5°	1341.3	1335.3	1335.3	1333.2	1337.3
20°	1317.1	1313.1	1311.1	1311.1	1315.1
22.5°	1292.9	1288.9	1286.8	1286.8	1286.8
25°	1266.7	1260.6	1258.6	1256.6	1258.6
27.5°	1236.4	1228.4	1228.4	1226.3	1228.4
30°	1200.1	1196.1	1194.1	1192.0	1194.1
32.5°	1165.8	1159.8	1157.8	1159.8	1159.8
35°	1127.5	1123.5	1121.5	1121.5	1121.5
37.5°	1089.2	1083.1	1083.1	1081.1	1081.1
40°	1046.8	1042.8	1040.8	1040.8	1040.8
42.5°	1002.4	998.4	996.4	994.4	994.4
45°	958.1	952.0	952.0	948.0	948.0
47.5°	909.7	905.6	903.6	899.6	899.6
50°	861.3	857.2	853.2	853.2	851.2
52.5°	806.8	806.8	804.8	800.7	800.7
55°	756.4	754.4	752.3	746.3	746.3
57.5°	703.9	701.9	697.9	691.8	691.8
60°	645.4	645.4	643.4	635.4	637.4
62.5°	591.0	589.0	586.9	580.9	578.9
65°	532.5	532.5	530.5	522.4	522.4
67.5°	476.0	476.0	472.0	463.9	463.9
70°	421.6	415.5	413.5	407.4	405.4
72.5°	361.0	359.0	355.0	348.9	348.9
75°	306.6	302.6	298.5	292.5	292.5
77.5°	248.1	244.1	240.0	238.0	234.0
80°	193.6	191.6	189.6	183.5	181.5
82.5°	139.2	137.2	135.1	133.1	131.1
85°	88.7	86.7	86.7	82.7	82.7
87.5°	38.3	40.3	36.3	38.3	36.3
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)