

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: P568446

Luminaire Tested: **24CGTX-40HE-L835**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568446
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-L835
Description: 2X4 4000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

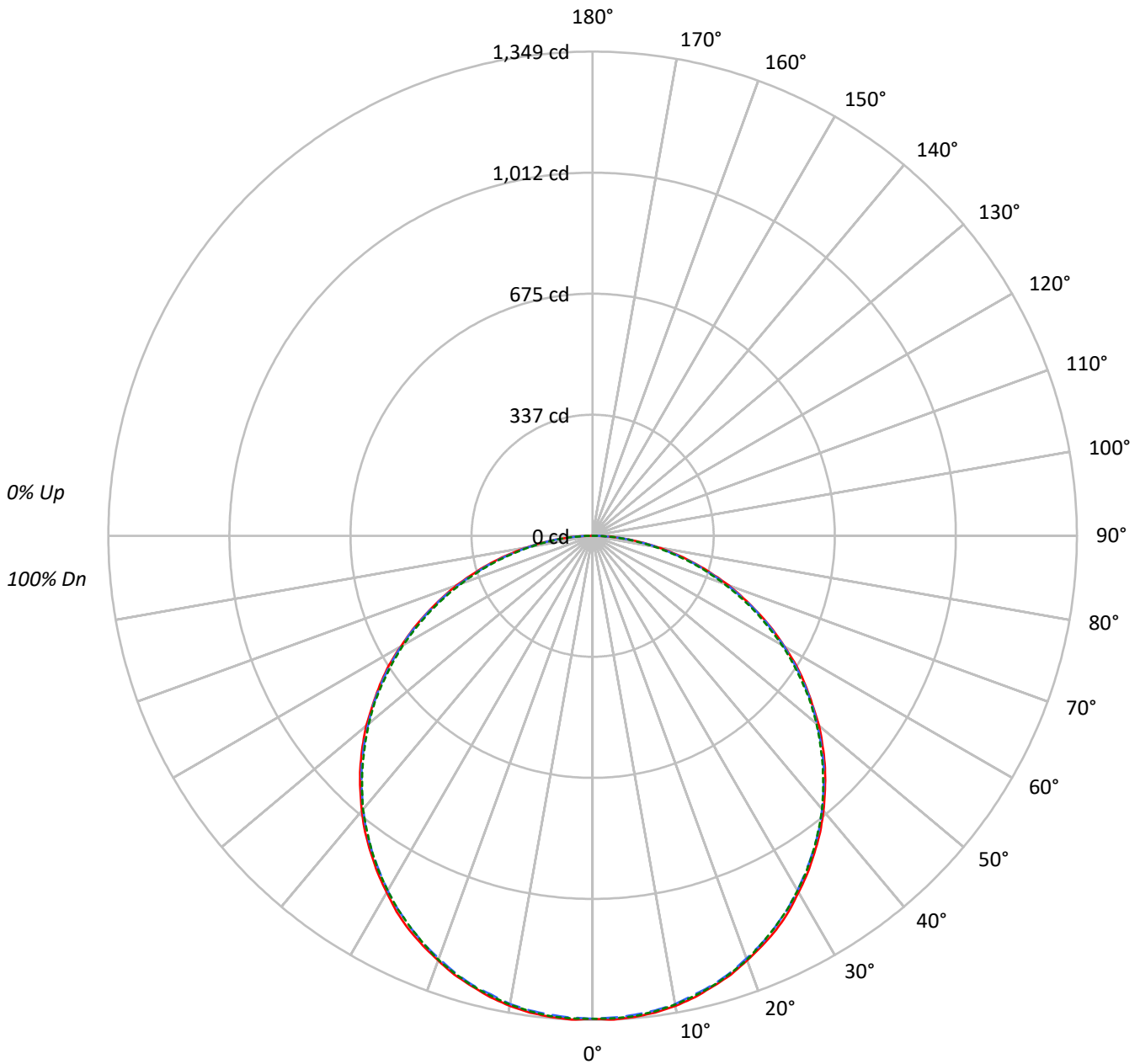
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3954.0 lumens
Efficiency: N/A
Efficacy: 131.8 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									
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°	1810	1810	1810
5°	1817	1810	1815
10°	1817	1809	1812
15°	1810	1805	1807
20°	1802	1794	1800
25°	1797	1786	1786
30°	1782	1773	1773
35°	1770	1760	1760
40°	1757	1747	1747
45°	1742	1731	1724
50°	1723	1707	1703
55°	1696	1687	1673
60°	1660	1655	1639
65°	1620	1614	1590
70°	1585	1555	1524
75°	1523	1483	1453
80°	1434	1404	1344
85°	1309	1280	1220



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.5	3.2
10°-20°	365.6	9.2
20°-30°	554.8	14.0
30°-40°	671.3	17.0
40°-50°	701.3	17.7
50°-60°	641.5	16.2
60°-70°	499.3	12.6
70°-80°	300.9	7.6
80°-90°	91.7	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°	1047.9	26.5
0°-40°	1719.2	43.5
0°-60°	3062.0	77.4
0°-90°	3954.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3954.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1346	1346	1346	1346	1346	
5°	1346	1342	1340	1340	1344	128
15°	1299	1296	1296	1294	1297	367
25°	1211	1205	1203	1201	1203	558
35°	1078	1074	1072	1072	1072	675
45°	916	910	910	906	906	706
55°	723	721	719	713	713	646
65°	509	509	507	499	499	505
75°	293	289	285	280	280	308
85°	85	83	83	79	79	94
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1345.6	1345.6	1345.6	1345.6	1345.6
2.5°	1349.4	1345.6	1343.7	1343.7	1345.6
5°	1345.6	1341.7	1339.8	1339.8	1343.7
7.5°	1339.8	1334.0	1334.0	1332.1	1336.0
10°	1330.2	1324.4	1324.4	1322.5	1326.3
12.5°	1316.7	1310.9	1309.0	1309.0	1312.8
15°	1299.3	1295.5	1295.5	1293.5	1297.4
17.5°	1282.0	1276.2	1276.2	1274.3	1278.1
20°	1258.8	1255.0	1253.1	1253.1	1256.9
22.5°	1235.7	1231.9	1229.9	1229.9	1229.9
25°	1210.6	1204.9	1202.9	1201.0	1202.9
27.5°	1181.7	1174.0	1174.0	1172.1	1174.0
30°	1147.0	1143.2	1141.2	1139.3	1141.2
32.5°	1114.3	1108.5	1106.5	1108.5	1108.5
35°	1077.6	1073.8	1071.8	1071.8	1071.8
37.5°	1041.0	1035.2	1035.2	1033.3	1033.3
40°	1000.5	996.7	994.7	994.7	994.7
42.5°	958.1	954.3	952.3	950.4	950.4
45°	915.7	909.9	909.9	906.1	906.1
47.5°	869.4	865.6	863.6	859.8	859.8
50°	823.2	819.3	815.5	815.5	813.5
52.5°	771.1	771.1	769.2	765.3	765.3
55°	722.9	721.0	719.1	713.3	713.3
57.5°	672.8	670.9	667.0	661.2	661.2
60°	616.9	616.9	615.0	607.3	609.2
62.5°	564.8	562.9	561.0	555.2	553.3
65°	508.9	508.9	507.0	499.3	499.3
67.5°	455.0	455.0	451.1	443.4	443.4
70°	402.9	397.1	395.2	389.4	387.5
72.5°	345.1	343.1	339.3	333.5	333.5
75°	293.0	289.2	285.3	279.5	279.5
77.5°	237.1	233.3	229.4	227.5	223.6
80°	185.1	183.1	181.2	175.4	173.5
82.5°	133.0	131.1	129.2	127.2	125.3
85°	84.8	82.9	82.9	79.0	79.0
87.5°	36.6	38.6	34.7	36.6	34.7
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)