

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: P568532

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

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568532
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-40-L835
Description: 2X4 4000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

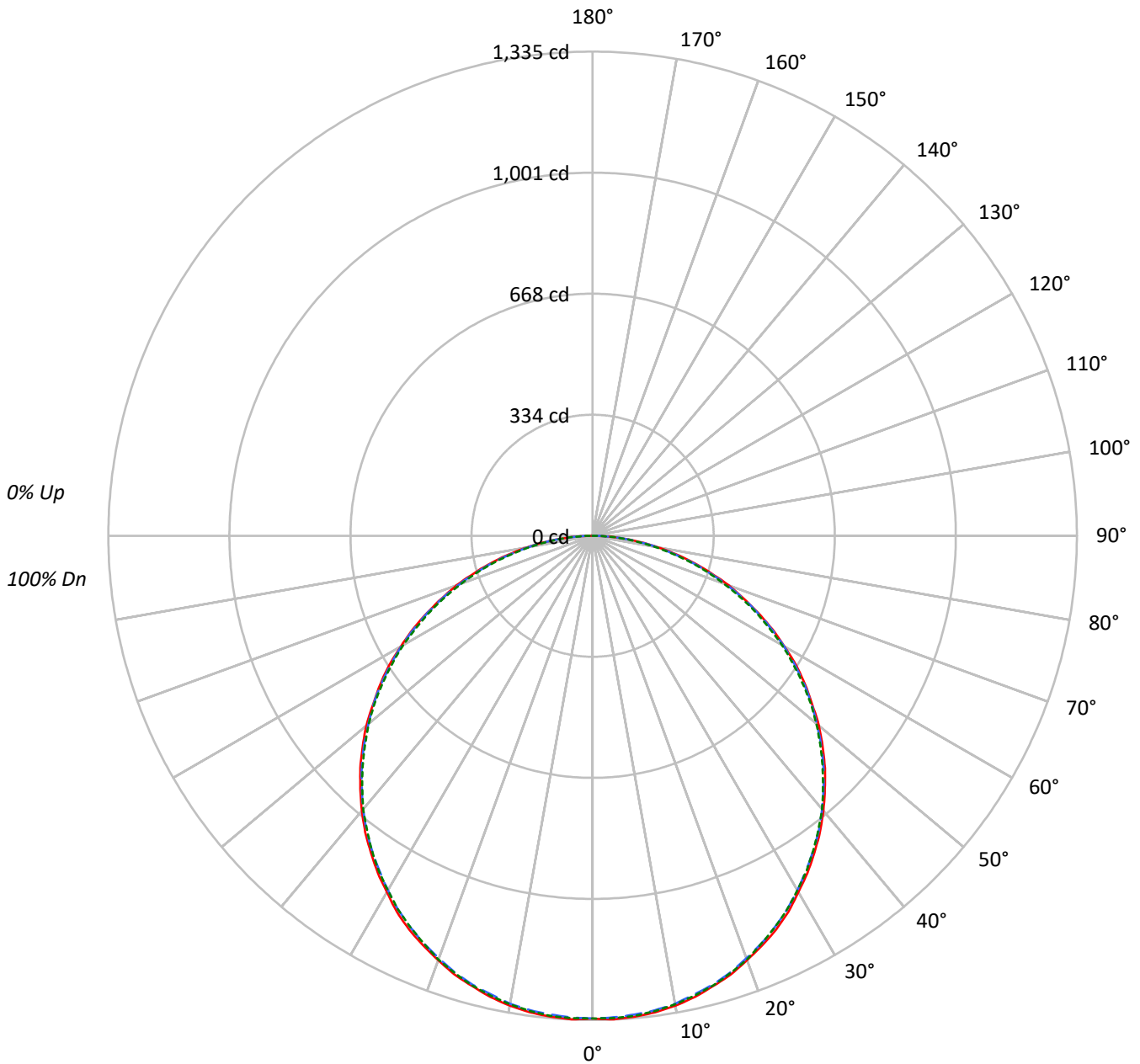
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3911.0 lumens
Efficiency: N/A
Efficacy: 129.1 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): 30.3
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°	1791	1791	1791
5°	1798	1790	1795
10°	1798	1790	1792
15°	1790	1785	1788
20°	1783	1775	1780
25°	1778	1767	1767
30°	1763	1754	1754
35°	1751	1741	1741
40°	1738	1728	1728
45°	1723	1713	1705
50°	1704	1688	1684
55°	1677	1668	1655
60°	1642	1637	1622
65°	1603	1597	1572
70°	1568	1538	1508
75°	1507	1467	1437
80°	1419	1389	1330
85°	1295	1266	1207



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.1	3.2
10°-20°	361.6	9.2
20°-30°	548.8	14.0
30°-40°	664.0	17.0
40°-50°	693.7	17.7
50°-60°	634.5	16.2
60°-70°	493.9	12.6
70°-80°	297.7	7.6
80°-90°	90.7	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°	1036.5	26.5
0°-40°	1700.5	43.5
0°-60°	3028.7	77.4
0°-90°	3911.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3911.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1331	1331	1331	1331	1331	
5°	1331	1327	1325	1325	1329	127
15°	1285	1281	1281	1280	1283	363
25°	1198	1192	1190	1188	1190	551
35°	1066	1062	1060	1060	1060	667
45°	906	900	900	896	896	698
55°	715	713	711	706	706	639
65°	503	503	502	494	494	499
75°	290	286	282	276	276	305
85°	84	82	82	78	78	93
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1331.0	1331.0	1331.0	1331.0	1331.0
2.5°	1334.8	1331.0	1329.0	1329.0	1331.0
5°	1331.0	1327.1	1325.2	1325.2	1329.0
7.5°	1325.2	1319.5	1319.5	1317.6	1321.4
10°	1315.7	1310.0	1310.0	1308.1	1311.9
12.5°	1302.4	1296.6	1294.7	1294.7	1298.5
15°	1285.2	1281.4	1281.4	1279.5	1283.3
17.5°	1268.0	1262.3	1262.3	1260.4	1264.2
20°	1245.2	1241.3	1239.4	1239.4	1243.2
22.5°	1222.3	1218.5	1216.5	1216.5	1216.5
25°	1197.5	1191.8	1189.9	1187.9	1189.9
27.5°	1168.9	1161.3	1161.3	1159.3	1161.3
30°	1134.6	1130.7	1128.8	1126.9	1128.8
32.5°	1102.1	1096.4	1094.5	1096.4	1096.4
35°	1065.9	1062.1	1060.2	1060.2	1060.2
37.5°	1029.7	1024.0	1024.0	1022.1	1022.1
40°	989.6	985.8	983.9	983.9	983.9
42.5°	947.7	943.9	942.0	940.1	940.1
45°	905.7	900.0	900.0	896.2	896.2
47.5°	860.0	856.2	854.3	850.4	850.4
50°	814.2	810.4	806.6	806.6	804.7
52.5°	762.7	762.7	760.8	757.0	757.0
55°	715.1	713.1	711.2	705.5	705.5
57.5°	665.5	663.6	659.8	654.0	654.0
60°	610.2	610.2	608.3	600.6	602.6
62.5°	558.7	556.8	554.9	549.2	547.3
65°	503.4	503.4	501.5	493.9	493.9
67.5°	450.0	450.0	446.2	438.6	438.6
70°	398.5	392.8	390.9	385.2	383.3
72.5°	341.3	339.4	335.6	329.9	329.9
75°	289.8	286.0	282.2	276.5	276.5
77.5°	234.5	230.7	226.9	225.0	221.2
80°	183.1	181.1	179.2	173.5	171.6
82.5°	131.6	129.7	127.8	125.8	123.9
85°	83.9	82.0	82.0	78.2	78.2
87.5°	36.2	38.1	34.3	36.2	34.3
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)