

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: P568571

Luminaire Tested: **24CGTX-35-L850**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568571
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-35-L850
Description: 2X4 3500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

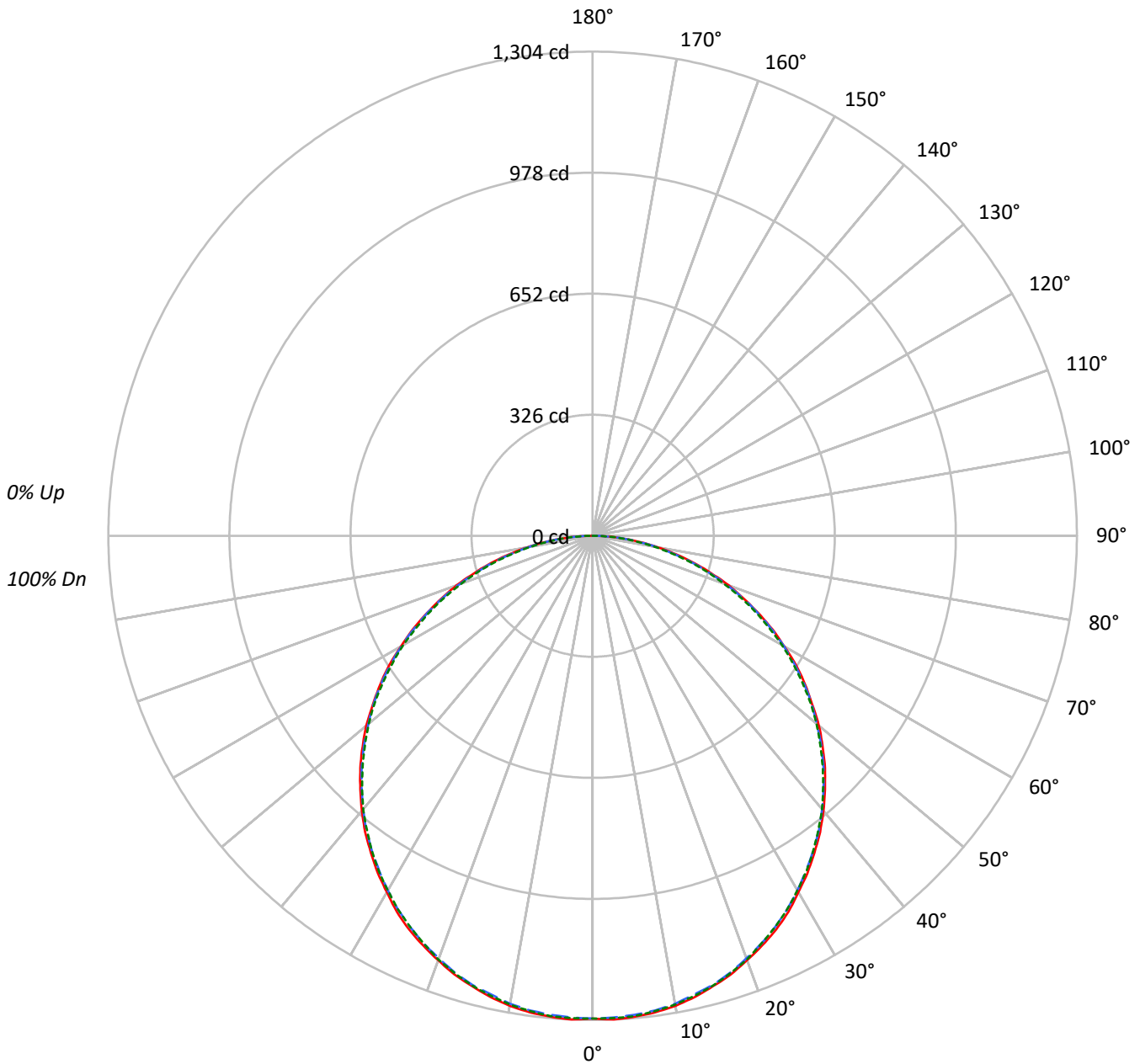
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3821.0 lumens
Efficiency: N/A
Efficacy: 134.5 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): 28.4
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°	1750	1750	1750
5°	1756	1749	1754
10°	1756	1749	1751
15°	1749	1744	1746
20°	1742	1734	1739
25°	1737	1726	1726
30°	1722	1714	1714
35°	1711	1701	1701
40°	1698	1688	1688
45°	1684	1673	1666
50°	1665	1649	1646
55°	1639	1630	1617
60°	1604	1599	1584
65°	1566	1560	1536
70°	1532	1502	1473
75°	1472	1433	1404
80°	1385	1357	1299
85°	1266	1237	1179



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.2	3.2
10°-20°	353.3	9.2
20°-30°	536.2	14.0
30°-40°	648.7	17.0
40°-50°	677.7	17.7
50°-60°	619.9	16.2
60°-70°	482.5	12.6
70°-80°	290.8	7.6
80°-90°	88.6	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°	1012.7	26.5
0°-40°	1661.4	43.5
0°-60°	2959.1	77.4
0°-90°	3821.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3821.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1300	1300	1300	1300	1300	
5°	1300	1297	1295	1295	1298	124
15°	1256	1252	1252	1250	1254	355
25°	1170	1164	1162	1161	1162	539
35°	1041	1038	1036	1036	1036	652
45°	885	879	879	876	876	682
55°	699	697	695	689	689	624
65°	492	492	490	482	482	488
75°	283	279	276	270	270	298
85°	82	80	80	76	76	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1300.3	1300.3	1300.3	1300.3	1300.3
2.5°	1304.1	1300.3	1298.5	1298.5	1300.3
5°	1300.3	1296.6	1294.7	1294.7	1298.5
7.5°	1294.7	1289.2	1289.2	1287.3	1291.0
10°	1285.4	1279.8	1279.8	1278.0	1281.7
12.5°	1272.4	1266.8	1264.9	1264.9	1268.7
15°	1255.6	1251.9	1251.9	1250.0	1253.8
17.5°	1238.9	1233.3	1233.3	1231.4	1235.1
20°	1216.5	1212.8	1210.9	1210.9	1214.6
22.5°	1194.1	1190.4	1188.6	1188.6	1188.6
25°	1169.9	1164.3	1162.5	1160.6	1162.5
27.5°	1142.0	1134.5	1134.5	1132.7	1134.5
30°	1108.4	1104.7	1102.9	1101.0	1102.9
32.5°	1076.8	1071.2	1069.3	1071.2	1071.2
35°	1041.4	1037.7	1035.8	1035.8	1035.8
37.5°	1006.0	1000.4	1000.4	998.5	998.5
40°	966.9	963.1	961.3	961.3	961.3
42.5°	925.9	922.2	920.3	918.4	918.4
45°	884.9	879.3	879.3	875.6	875.6
47.5°	840.2	836.5	834.6	830.9	830.9
50°	795.5	791.7	788.0	788.0	786.2
52.5°	745.2	745.2	743.3	739.6	739.6
55°	698.6	696.7	694.9	689.3	689.3
57.5°	650.2	648.3	644.6	639.0	639.0
60°	596.1	596.1	594.3	586.8	588.7
62.5°	545.8	544.0	542.1	536.5	534.7
65°	491.8	491.8	490.0	482.5	482.5
67.5°	439.7	439.7	435.9	428.5	428.5
70°	389.4	383.8	381.9	376.3	374.4
72.5°	333.5	331.6	327.9	322.3	322.3
75°	283.2	279.4	275.7	270.1	270.1
77.5°	229.1	225.4	221.7	219.8	216.1
80°	178.8	177.0	175.1	169.5	167.7
82.5°	128.5	126.7	124.8	123.0	121.1
85°	82.0	80.1	80.1	76.4	76.4
87.5°	35.4	37.3	33.5	35.4	33.5
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)