

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: P568551

Luminaire Tested: **24CGTX-35-L840**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568551
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-L840
Description: 2X4 3500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND
4000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

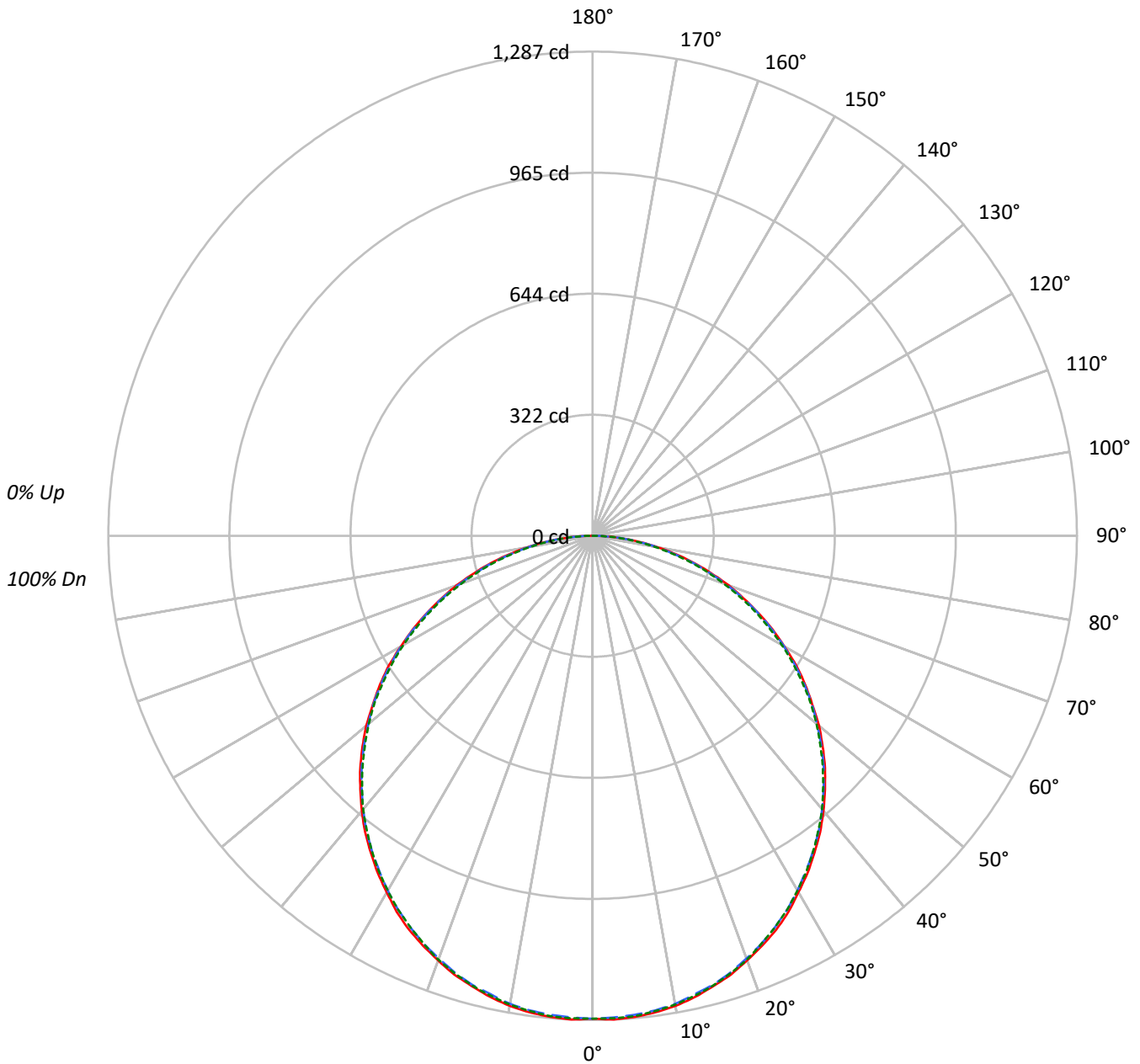
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3772.0 lumens
Efficiency: N/A
Efficacy: 132.8 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): 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°	1727	1727	1727
5°	1734	1726	1731
10°	1734	1726	1729
15°	1727	1721	1724
20°	1719	1712	1717
25°	1715	1704	1704
30°	1700	1691	1691
35°	1689	1679	1679
40°	1676	1667	1667
45°	1662	1652	1645
50°	1644	1628	1625
55°	1618	1609	1596
60°	1584	1579	1564
65°	1546	1540	1516
70°	1512	1483	1454
75°	1453	1415	1386
80°	1368	1340	1282
85°	1249	1221	1164



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.6	3.2
10°-20°	348.8	9.2
20°-30°	529.3	14.0
30°-40°	640.4	17.0
40°-50°	669.0	17.7
50°-60°	612.0	16.2
60°-70°	476.3	12.6
70°-80°	287.1	7.6
80°-90°	87.5	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°	999.7	26.5
0°-40°	1640.1	43.5
0°-60°	2921.1	77.4
0°-90°	3772.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3772.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1284	1284	1284	1284	1284	
5°	1284	1280	1278	1278	1282	122
15°	1240	1236	1236	1234	1238	350
25°	1155	1149	1148	1146	1148	532
35°	1028	1024	1022	1022	1022	644
45°	874	868	868	864	864	673
55°	690	688	686	680	680	616
65°	486	486	484	476	476	481
75°	280	276	272	267	267	294
85°	81	79	79	75	75	90
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1283.7	1283.7	1283.7	1283.7	1283.7
2.5°	1287.3	1283.7	1281.8	1281.8	1283.7
5°	1283.7	1280.0	1278.1	1278.1	1281.8
7.5°	1278.1	1272.6	1272.6	1270.8	1274.5
10°	1268.9	1263.4	1263.4	1261.6	1265.3
12.5°	1256.1	1250.6	1248.7	1248.7	1252.4
15°	1239.5	1235.8	1235.8	1234.0	1237.7
17.5°	1223.0	1217.4	1217.4	1215.6	1219.3
20°	1200.9	1197.2	1195.4	1195.4	1199.1
22.5°	1178.8	1175.1	1173.3	1173.3	1173.3
25°	1154.9	1149.4	1147.6	1145.7	1147.6
27.5°	1127.3	1120.0	1120.0	1118.1	1120.0
30°	1094.2	1090.6	1088.7	1086.9	1088.7
32.5°	1063.0	1057.5	1055.6	1057.5	1057.5
35°	1028.0	1024.3	1022.5	1022.5	1022.5
37.5°	993.1	987.6	987.6	985.7	985.7
40°	954.5	950.8	948.9	948.9	948.9
42.5°	914.0	910.3	908.5	906.6	906.6
45°	873.5	868.0	868.0	864.4	864.4
47.5°	829.4	825.7	823.9	820.2	820.2
50°	785.3	781.6	777.9	777.9	776.1
52.5°	735.6	735.6	733.8	730.1	730.1
55°	689.6	687.8	686.0	680.4	680.4
57.5°	641.8	640.0	636.3	630.8	630.8
60°	588.5	588.5	586.7	579.3	581.1
62.5°	538.8	537.0	535.2	529.6	527.8
65°	485.5	485.5	483.7	476.3	476.3
67.5°	434.0	434.0	430.3	423.0	423.0
70°	384.4	378.8	377.0	371.5	369.6
72.5°	329.2	327.4	323.7	318.2	318.2
75°	279.5	275.9	272.2	266.7	266.7
77.5°	226.2	222.5	218.8	217.0	213.3
80°	176.5	174.7	172.9	167.4	165.5
82.5°	126.9	125.1	123.2	121.4	119.5
85°	80.9	79.1	79.1	75.4	75.4
87.5°	34.9	36.8	33.1	34.9	33.1
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)