

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: P568531

Luminaire Tested: **24CGTX-35-L835**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568531
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-L835
Description: 2X4 3500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

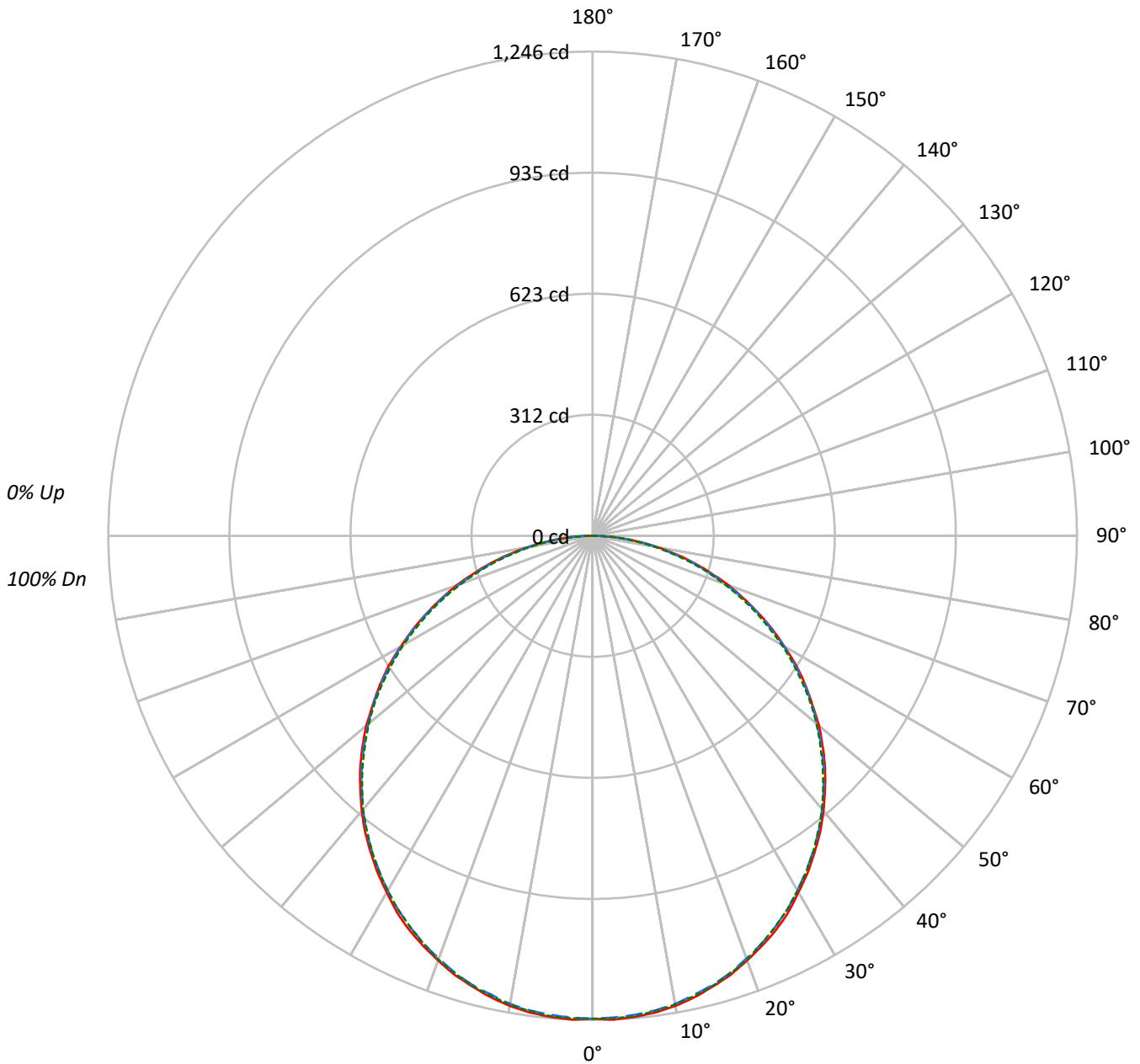
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3652.0 lumens
Efficiency: N/A
Efficacy: 128.6 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

TEST NUMBER: P568531
CATALOG NUMBER: 24CGTX-35-L835

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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°	1672	1672	1672
5°	1679	1671	1676
10°	1679	1671	1674
15°	1672	1667	1669
20°	1665	1657	1662
25°	1660	1650	1650
30°	1646	1638	1638
35°	1635	1626	1626
40°	1623	1614	1614
45°	1609	1599	1592
50°	1591	1577	1573
55°	1566	1558	1545
60°	1533	1528	1514
65°	1497	1491	1468
70°	1464	1436	1408
75°	1407	1370	1342
80°	1324	1297	1241
85°	1209	1183	1127



TEST NUMBER: P568531
 CATALOG NUMBER: 24CGTX-35-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.8	3.2
10°-20°	337.7	9.2
20°-30°	512.4	14.0
30°-40°	620.0	17.0
40°-50°	647.7	17.7
50°-60°	592.5	16.2
60°-70°	461.2	12.6
70°-80°	277.9	7.6
80°-90°	84.7	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°	967.9	26.5
0°-40°	1587.9	43.5
0°-60°	2828.2	77.4
0°-90°	3652.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3652.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1243	1243	1243	1243	1243	
5°	1243	1239	1238	1238	1241	118
15°	1200	1196	1196	1195	1198	339
25°	1118	1113	1111	1109	1111	515
35°	995	992	990	990	990	623
45°	846	840	840	837	837	652
55°	668	666	664	659	659	596
65°	470	470	468	461	461	466
75°	271	267	264	258	258	285
85°	78	77	77	73	73	87
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1242.8	1242.8	1242.8	1242.8	1242.8
2.5°	1246.4	1242.8	1241.0	1241.0	1242.8
5°	1242.8	1239.3	1237.5	1237.5	1241.0
7.5°	1237.5	1232.1	1232.1	1230.4	1233.9
10°	1228.6	1223.2	1223.2	1221.4	1225.0
12.5°	1216.1	1210.8	1209.0	1209.0	1212.5
15°	1200.1	1196.5	1196.5	1194.7	1198.3
17.5°	1184.1	1178.7	1178.7	1176.9	1180.5
20°	1162.7	1159.1	1157.4	1157.4	1160.9
22.5°	1141.3	1137.8	1136.0	1136.0	1136.0
25°	1118.2	1112.8	1111.1	1109.3	1111.1
27.5°	1091.5	1084.3	1084.3	1082.6	1084.3
30°	1059.4	1055.9	1054.1	1052.3	1054.1
32.5°	1029.2	1023.8	1022.0	1023.8	1023.8
35°	995.3	991.8	990.0	990.0	990.0
37.5°	961.5	956.1	956.1	954.4	954.4
40°	924.1	920.5	918.8	918.8	918.8
42.5°	884.9	881.4	879.6	877.8	877.8
45°	845.8	840.4	840.4	836.9	836.9
47.5°	803.0	799.5	797.7	794.1	794.1
50°	760.3	756.7	753.2	753.2	751.4
52.5°	712.2	712.2	710.4	706.9	706.9
55°	667.7	665.9	664.1	658.8	658.8
57.5°	621.4	619.6	616.1	610.7	610.7
60°	569.8	569.8	568.0	560.9	562.7
62.5°	521.7	519.9	518.1	512.8	511.0
65°	470.1	470.1	468.3	461.2	461.2
67.5°	420.2	420.2	416.6	409.5	409.5
70°	372.1	366.8	365.0	359.7	357.9
72.5°	318.7	316.9	313.4	308.0	308.0
75°	270.6	267.1	263.5	258.2	258.2
77.5°	219.0	215.4	211.9	210.1	206.5
80°	170.9	169.2	167.4	162.0	160.2
82.5°	122.9	121.1	119.3	117.5	115.7
85°	78.3	76.6	76.6	73.0	73.0
87.5°	33.8	35.6	32.0	33.8	32.0
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)