

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: P568543

Luminaire Tested: **24CGTX-45-L935**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568543
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-45-L935
Description: 2X4 4500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

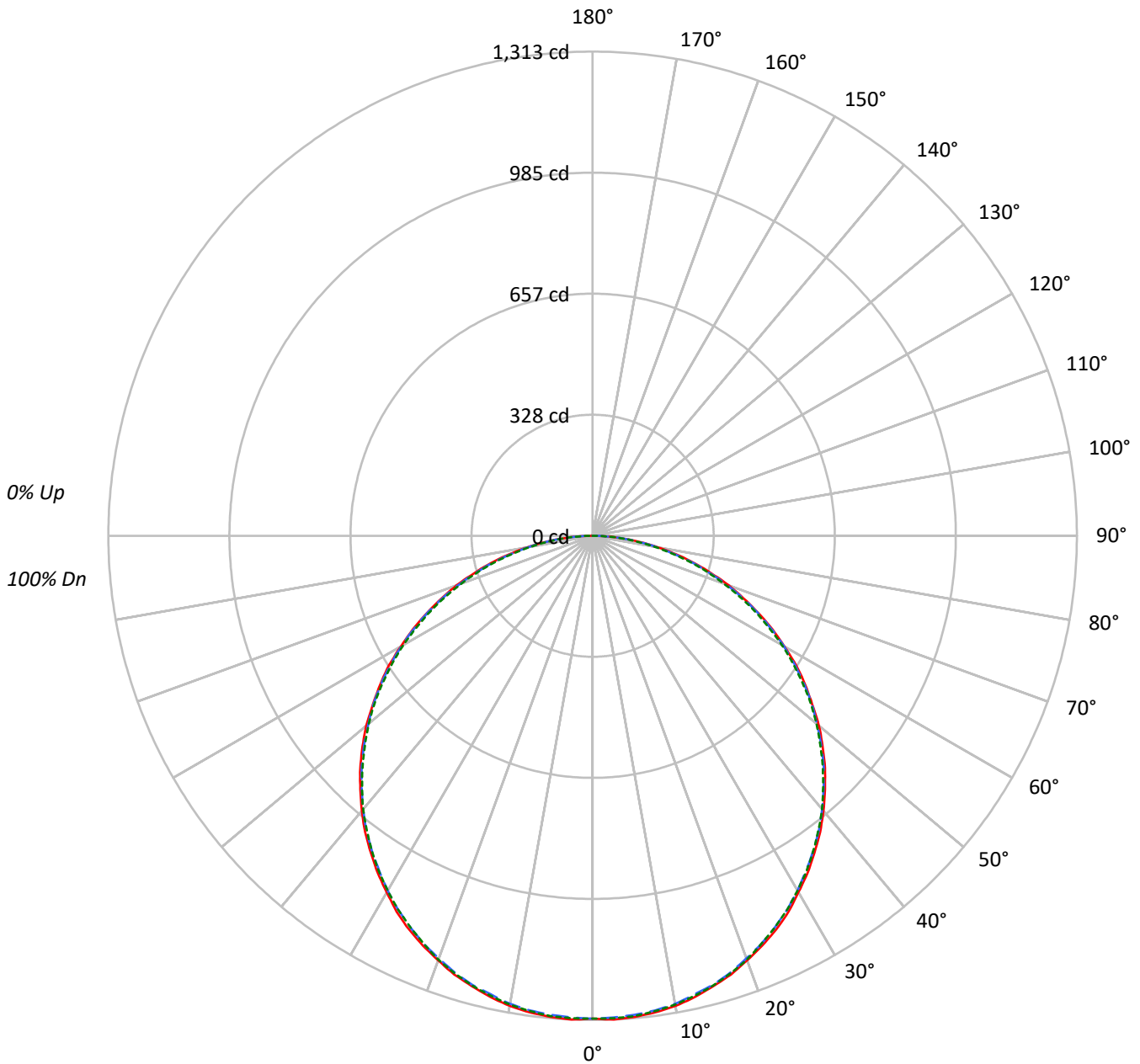
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3848.0 lumens
Efficiency: N/A
Efficacy: 108.1 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): 35.6
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°	1762	1762	1762
5°	1769	1761	1766
10°	1769	1761	1764
15°	1761	1756	1759
20°	1754	1746	1751
25°	1749	1738	1738
30°	1734	1726	1726
35°	1723	1713	1713
40°	1710	1700	1700
45°	1696	1685	1678
50°	1677	1661	1657
55°	1650	1642	1628
60°	1616	1611	1595
65°	1577	1571	1547
70°	1543	1513	1483
75°	1483	1444	1414
80°	1395	1367	1308
85°	1274	1246	1187



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.1	3.2
10°-20°	355.8	9.2
20°-30°	539.9	14.0
30°-40°	653.3	17.0
40°-50°	682.5	17.7
50°-60°	624.3	16.2
60°-70°	485.9	12.6
70°-80°	292.9	7.6
80°-90°	89.3	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°	1019.8	26.5
0°-40°	1673.2	43.5
0°-60°	2980.0	77.4
0°-90°	3848.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3848.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1310	1310	1310	1310	1310	
5°	1310	1306	1304	1304	1308	125
15°	1264	1261	1261	1259	1263	357
25°	1178	1173	1171	1169	1171	543
35°	1049	1045	1043	1043	1043	656
45°	891	886	886	882	882	687
55°	704	702	700	694	694	628
65°	495	495	493	486	486	491
75°	285	281	278	272	272	300
85°	82	81	81	77	77	92
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1309.5	1309.5	1309.5	1309.5	1309.5
2.5°	1313.3	1309.5	1307.6	1307.6	1309.5
5°	1309.5	1305.8	1303.9	1303.9	1307.6
7.5°	1303.9	1298.3	1298.3	1296.4	1300.1
10°	1294.5	1288.9	1288.9	1287.0	1290.8
12.5°	1281.4	1275.7	1273.9	1273.9	1277.6
15°	1264.5	1260.7	1260.7	1258.9	1262.6
17.5°	1247.6	1242.0	1242.0	1240.1	1243.9
20°	1225.1	1221.3	1219.5	1219.5	1223.2
22.5°	1202.6	1198.8	1197.0	1197.0	1197.0
25°	1178.2	1172.6	1170.7	1168.8	1170.7
27.5°	1150.0	1142.5	1142.5	1140.7	1142.5
30°	1116.3	1112.5	1110.7	1108.8	1110.7
32.5°	1084.4	1078.8	1076.9	1078.8	1078.8
35°	1048.7	1045.0	1043.1	1043.1	1043.1
37.5°	1013.1	1007.5	1007.5	1005.6	1005.6
40°	973.7	969.9	968.1	968.1	968.1
42.5°	932.4	928.7	926.8	924.9	924.9
45°	891.1	885.5	885.5	881.8	881.8
47.5°	846.1	842.4	840.5	836.7	836.7
50°	801.1	797.3	793.6	793.6	791.7
52.5°	750.4	750.4	748.6	744.8	744.8
55°	703.5	701.7	699.8	694.2	694.2
57.5°	654.8	652.9	649.1	643.5	643.5
60°	600.4	600.4	598.5	591.0	592.8
62.5°	549.7	547.8	545.9	540.3	538.4
65°	495.3	495.3	493.4	485.9	485.9
67.5°	442.8	442.8	439.0	431.5	431.5
70°	392.1	386.5	384.6	379.0	377.1
72.5°	335.8	333.9	330.2	324.6	324.6
75°	285.2	281.4	277.7	272.0	272.0
77.5°	230.8	227.0	223.3	221.4	217.6
80°	180.1	178.2	176.4	170.7	168.8
82.5°	129.5	127.6	125.7	123.8	121.9
85°	82.5	80.7	80.7	76.9	76.9
87.5°	35.6	37.5	33.8	35.6	33.8
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)