

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: P568533

Luminaire Tested: **24CGTX-45-L835**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568533
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-L835
Description: 2X4 4500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

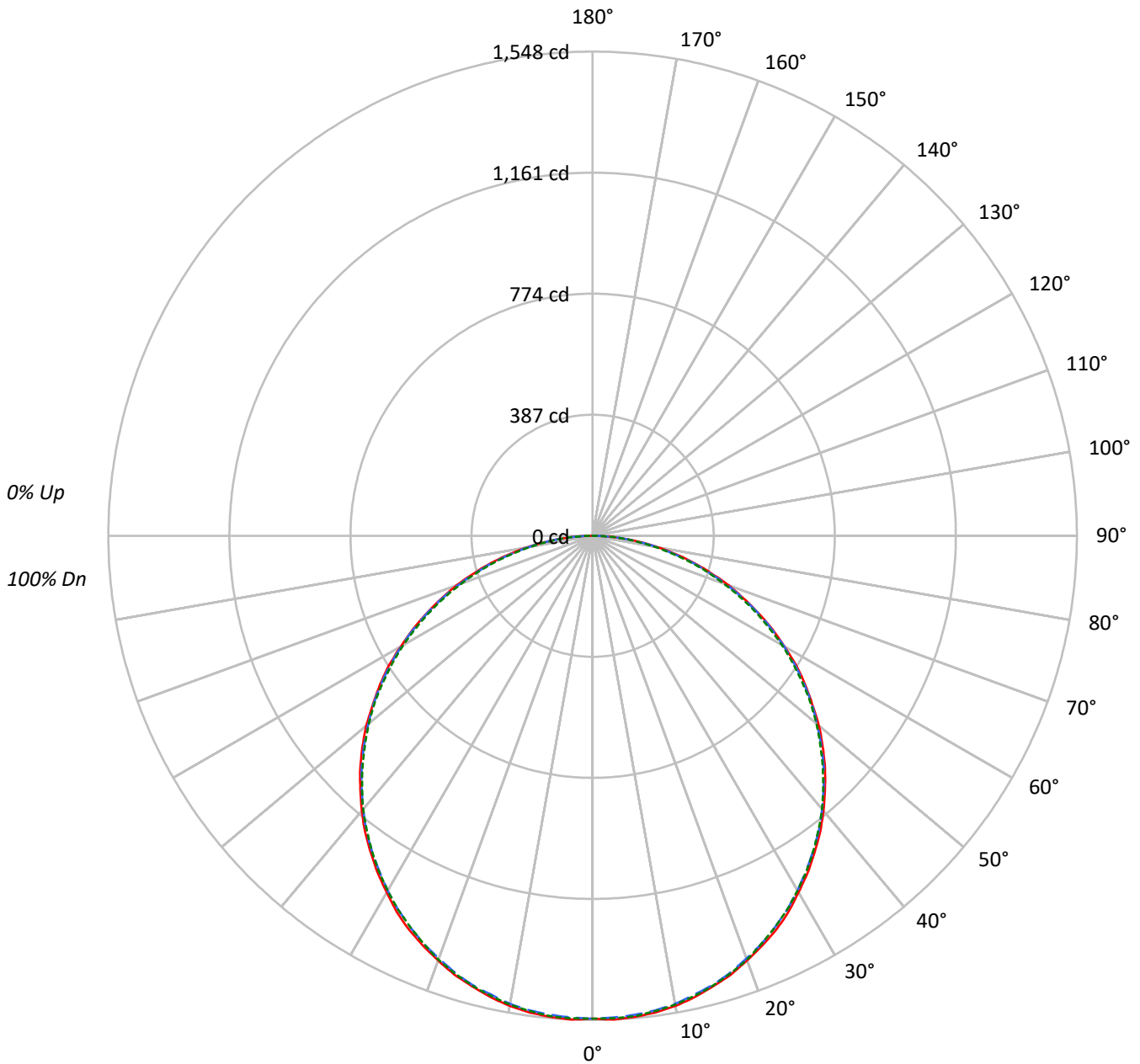
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4537.0 lumens
Efficiency: N/A
Efficacy: 127.4 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

TEST NUMBER: P568533
CATALOG NUMBER: 24CGTX-45-L835

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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°	2077	2077	2077
5°	2085	2076	2082
10°	2085	2076	2079
15°	2077	2071	2074
20°	2068	2059	2065
25°	2062	2049	2049
30°	2045	2034	2034
35°	2031	2020	2020
40°	2016	2005	2005
45°	1999	1987	1978
50°	1977	1959	1954
55°	1946	1936	1920
60°	1905	1899	1881
65°	1859	1852	1824
70°	1819	1784	1749
75°	1748	1702	1667
80°	1646	1611	1543
85°	1502	1468	1400



TEST NUMBER: P568533
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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.3	3.2
10°-20°	419.5	9.2
20°-30°	636.6	14.0
30°-40°	770.3	17.0
40°-50°	804.7	17.7
50°-60°	736.1	16.2
60°-70°	572.9	12.6
70°-80°	345.3	7.6
80°-90°	105.2	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°	1202.4	26.5
0°-40°	1972.7	43.5
0°-60°	3513.5	77.4
0°-90°	4537.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4537.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1544	1544	1544	1544	1544	
5°	1544	1540	1537	1537	1542	147
15°	1491	1486	1486	1484	1489	421
25°	1389	1382	1380	1378	1380	640
35°	1236	1232	1230	1230	1230	774
45°	1051	1044	1044	1040	1040	810
55°	830	827	825	818	818	741
65°	584	584	582	573	573	579
75°	336	332	327	321	321	354
85°	97	95	95	91	91	108
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1544.0	1544.0	1544.0	1544.0	1544.0
2.5°	1548.4	1544.0	1541.8	1541.8	1544.0
5°	1544.0	1539.6	1537.4	1537.4	1541.8
7.5°	1537.4	1530.7	1530.7	1528.5	1532.9
10°	1526.3	1519.7	1519.7	1517.4	1521.9
12.5°	1510.8	1504.2	1502.0	1502.0	1506.4
15°	1490.9	1486.5	1486.5	1484.3	1488.7
17.5°	1471.0	1464.4	1464.4	1462.1	1466.6
20°	1444.5	1440.0	1437.8	1437.8	1442.2
22.5°	1417.9	1413.5	1411.3	1411.3	1411.3
25°	1389.1	1382.5	1380.3	1378.1	1380.3
27.5°	1356.0	1347.1	1347.1	1344.9	1347.1
30°	1316.2	1311.7	1309.5	1307.3	1309.5
32.5°	1278.5	1271.9	1269.7	1271.9	1271.9
35°	1236.5	1232.1	1229.9	1229.9	1229.9
37.5°	1194.5	1187.9	1187.9	1185.6	1185.6
40°	1148.0	1143.6	1141.4	1141.4	1141.4
42.5°	1099.4	1095.0	1092.7	1090.5	1090.5
45°	1050.7	1044.1	1044.1	1039.7	1039.7
47.5°	997.6	993.2	991.0	986.6	986.6
50°	944.5	940.1	935.7	935.7	933.5
52.5°	884.8	884.8	882.6	878.2	878.2
55°	829.5	827.3	825.1	818.4	818.4
57.5°	772.0	769.8	765.4	758.7	758.7
60°	707.8	707.8	705.6	696.8	699.0
62.5°	648.1	645.9	643.7	637.1	634.9
65°	584.0	584.0	581.8	572.9	572.9
67.5°	522.0	522.0	517.6	508.8	508.8
70°	462.3	455.7	453.5	446.8	444.6
72.5°	396.0	393.7	389.3	382.7	382.7
75°	336.2	331.8	327.4	320.7	320.7
77.5°	272.1	267.7	263.2	261.0	256.6
80°	212.4	210.1	207.9	201.3	199.1
82.5°	152.6	150.4	148.2	146.0	143.8
85°	97.3	95.1	95.1	90.7	90.7
87.5°	42.0	44.2	39.8	42.0	39.8
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)