

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: P568537

Luminaire Tested: **24CGTX-80-L835**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568537
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-80-L835
Description: 2X4 8000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

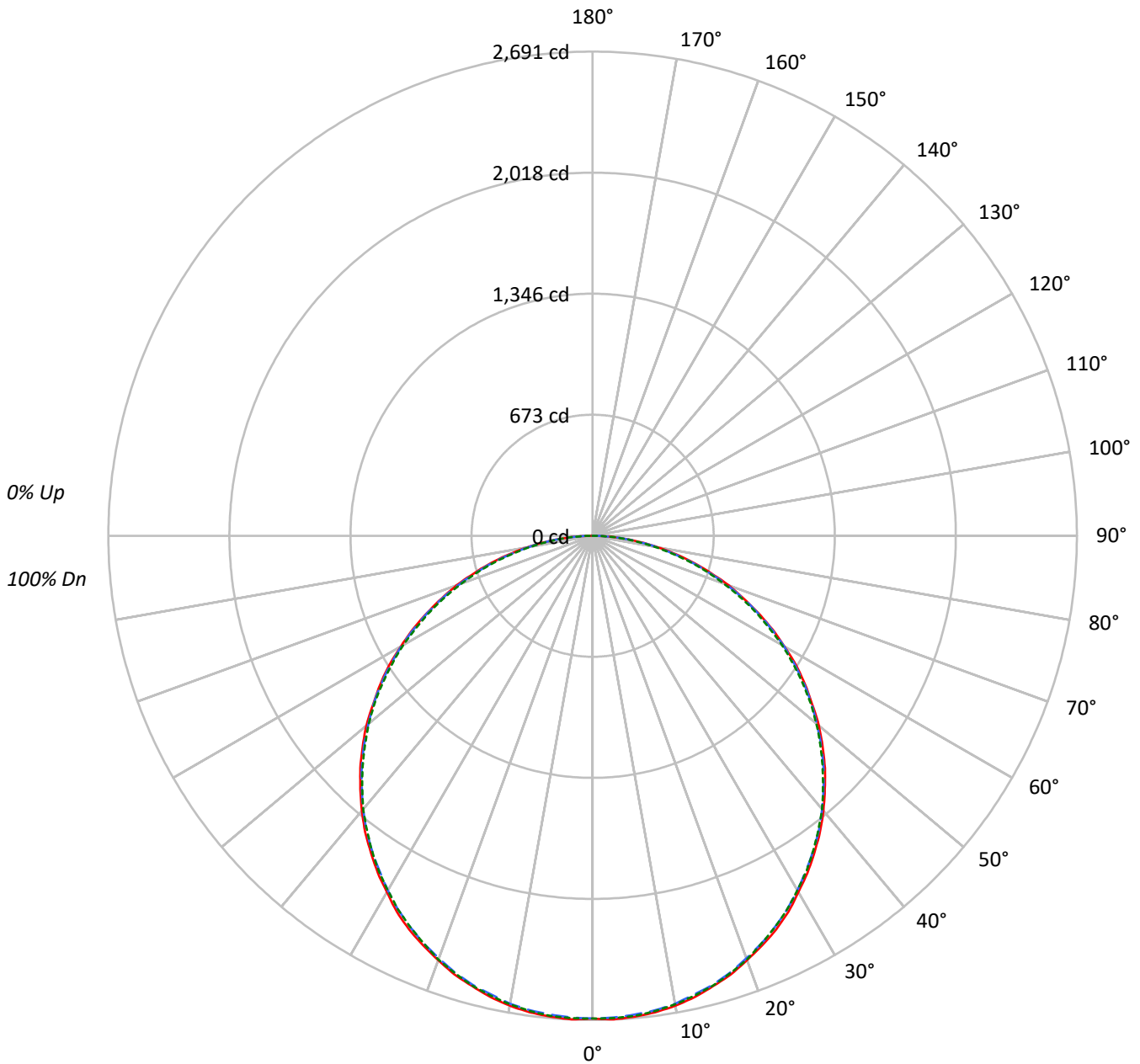
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7884.0 lumens
Efficiency: N/A
Efficacy: 116.6 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): 67.6
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°	3610	3610	3610
5°	3624	3608	3619
10°	3624	3608	3613
15°	3609	3598	3603
20°	3594	3577	3588
25°	3584	3561	3561
30°	3553	3535	3535
35°	3529	3510	3510
40°	3504	3484	3484
45°	3474	3452	3438
50°	3436	3404	3395
55°	3381	3363	3336
60°	3310	3300	3269
65°	3231	3218	3170
70°	3161	3100	3039
75°	3038	2957	2898
80°	2859	2799	2680
85°	2611	2552	2433



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.2	3.2
10°-20°	729.0	9.2
20°-30°	1106.3	14.0
30°-40°	1338.6	17.0
40°-50°	1398.3	17.7
50°-60°	1279.1	16.2
60°-70°	995.6	12.6
70°-80°	600.1	7.6
80°-90°	182.9	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°	2089.5	26.5
0°-40°	3428.1	43.5
0°-60°	6105.5	77.4
0°-90°	7884.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7884.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2683	2683	2683	2683	2683	
5°	2683	2675	2672	2672	2679	255
15°	2591	2583	2583	2579	2587	732
25°	2414	2402	2399	2395	2399	1112
35°	2149	2141	2137	2137	2137	1345
45°	1826	1814	1814	1807	1807	1407
55°	1441	1438	1434	1422	1422	1288
65°	1015	1015	1011	996	996	1006
75°	584	577	569	557	557	615
85°	169	165	165	158	158	188
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2683.0	2683.0	2683.0	2683.0	2683.0
2.5°	2690.7	2683.0	2679.2	2679.2	2683.0
5°	2683.0	2675.3	2671.5	2671.5	2679.2
7.5°	2671.5	2659.9	2659.9	2656.1	2663.8
10°	2652.3	2640.7	2640.7	2636.9	2644.6
12.5°	2625.4	2613.8	2610.0	2610.0	2617.7
15°	2590.8	2583.1	2583.1	2579.2	2586.9
17.5°	2556.2	2544.6	2544.6	2540.8	2548.5
20°	2510.0	2502.4	2498.5	2498.5	2506.2
22.5°	2463.9	2456.2	2452.4	2452.4	2452.4
25°	2413.9	2402.4	2398.6	2394.7	2398.6
27.5°	2356.3	2340.9	2340.9	2337.1	2340.9
30°	2287.1	2279.4	2275.6	2271.7	2275.6
32.5°	2221.7	2210.2	2206.4	2210.2	2210.2
35°	2148.7	2141.0	2137.2	2137.2	2137.2
37.5°	2075.7	2064.2	2064.2	2060.3	2060.3
40°	1995.0	1987.3	1983.4	1983.4	1983.4
42.5°	1910.4	1902.7	1898.9	1895.0	1895.0
45°	1825.8	1814.3	1814.3	1806.6	1806.6
47.5°	1733.6	1725.9	1722.0	1714.4	1714.4
50°	1641.3	1633.6	1626.0	1626.0	1622.1
52.5°	1537.5	1537.5	1533.7	1526.0	1526.0
55°	1441.4	1437.6	1433.8	1422.2	1422.2
57.5°	1341.5	1337.7	1330.0	1318.4	1318.4
60°	1230.0	1230.0	1226.2	1210.8	1214.7
62.5°	1126.3	1122.4	1118.6	1107.0	1103.2
65°	1014.8	1014.8	1010.9	995.6	995.6
67.5°	907.2	907.2	899.5	884.1	884.1
70°	803.4	791.8	788.0	776.5	772.6
72.5°	688.1	684.2	676.5	665.0	665.0
75°	584.3	576.6	568.9	557.4	557.4
77.5°	472.8	465.1	457.4	453.6	445.9
80°	369.0	365.2	361.3	349.8	345.9
82.5°	265.2	261.4	257.5	253.7	249.9
85°	169.1	165.3	165.3	157.6	157.6
87.5°	73.0	76.9	69.2	73.0	69.2
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)