

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: P568451

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

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568451
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-80HE-L835
Description: 2X4 8000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

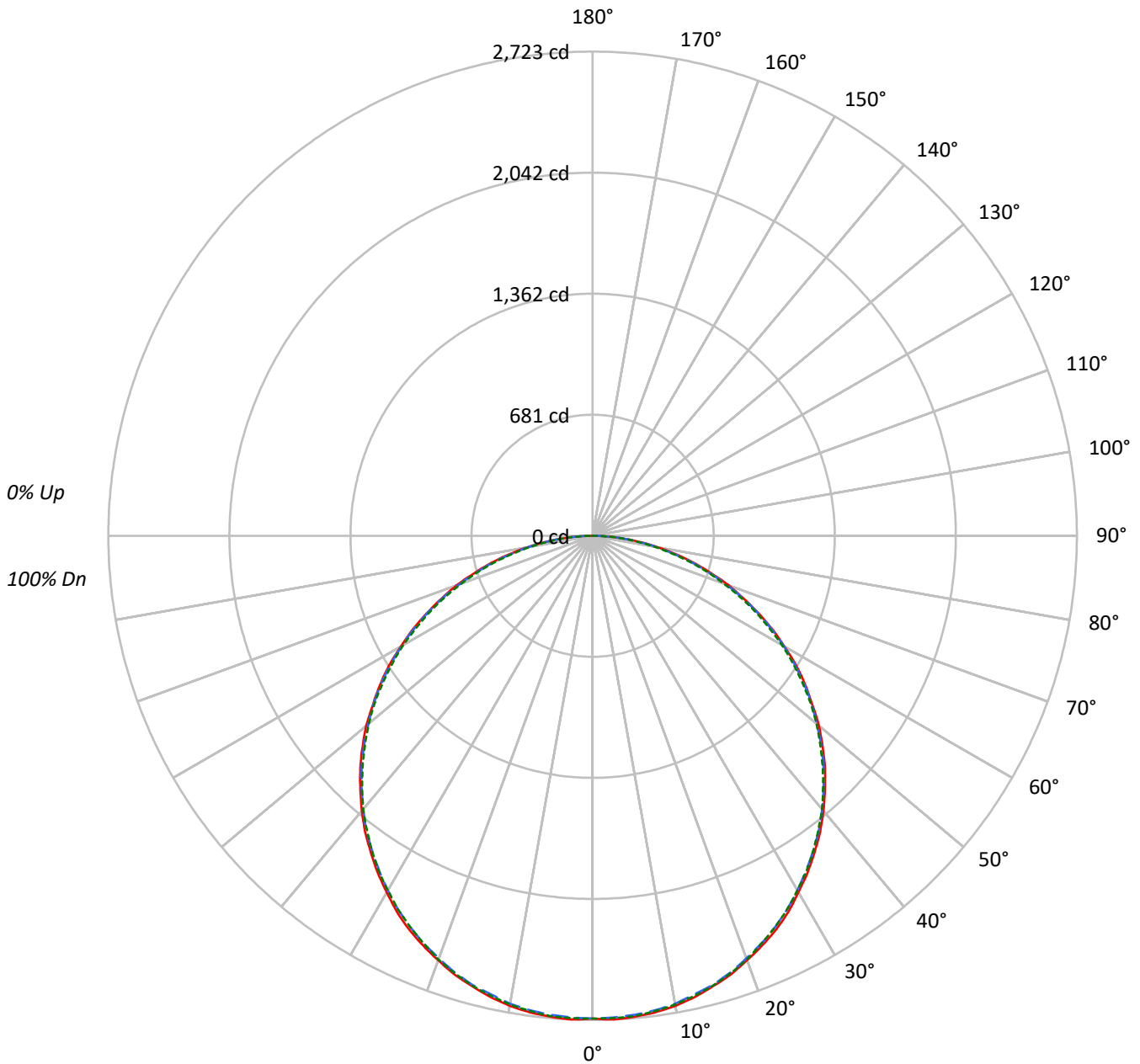
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7979.0 lumens
Efficiency: N/A
Efficacy: 125.3 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): 63.7
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									
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°	3653	3653	3653
5°	3667	3652	3662
10°	3667	3651	3657
15°	3652	3641	3647
20°	3637	3621	3632
25°	3627	3604	3604
30°	3596	3578	3578
35°	3572	3553	3553
40°	3546	3526	3526
45°	3516	3494	3479
50°	3477	3444	3436
55°	3422	3404	3377
60°	3350	3340	3308
65°	3270	3257	3208
70°	3198	3137	3076
75°	3074	2993	2933
80°	2894	2834	2713
85°	2643	2583	2462



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.3	3.2
10°-20°	737.8	9.2
20°-30°	1119.6	14.0
30°-40°	1354.7	17.0
40°-50°	1415.2	17.7
50°-60°	1294.5	16.2
60°-70°	1007.6	12.6
70°-80°	607.3	7.6
80°-90°	185.1	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°	2114.7	26.5
0°-40°	3469.4	43.5
0°-60°	6179.1	77.4
0°-90°	7979.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7979.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2715	2715	2715	2715	2715	
5°	2715	2708	2704	2704	2712	258
15°	2622	2614	2614	2610	2618	741
25°	2443	2431	2428	2424	2428	1125
35°	2175	2167	2163	2163	2163	1361
45°	1848	1836	1836	1828	1828	1424
55°	1459	1455	1451	1439	1439	1303
65°	1027	1027	1023	1008	1008	1018
75°	591	584	576	564	564	622
85°	171	167	167	160	160	191
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2715.3	2715.3	2715.3	2715.3	2715.3
2.5°	2723.1	2715.3	2711.5	2711.5	2715.3
5°	2715.3	2707.6	2703.7	2703.7	2711.5
7.5°	2703.7	2692.0	2692.0	2688.1	2695.9
10°	2684.2	2672.6	2672.6	2668.7	2676.4
12.5°	2657.0	2645.3	2641.4	2641.4	2649.2
15°	2622.0	2614.2	2614.2	2610.3	2618.1
17.5°	2587.0	2575.3	2575.3	2571.4	2579.2
20°	2540.3	2532.5	2528.6	2528.6	2536.4
22.5°	2493.6	2485.8	2481.9	2481.9	2481.9
25°	2443.0	2431.4	2427.5	2423.6	2427.5
27.5°	2384.7	2369.1	2369.1	2365.2	2369.1
30°	2314.7	2306.9	2303.0	2299.1	2303.0
32.5°	2248.5	2236.9	2233.0	2236.9	2236.9
35°	2174.6	2166.8	2162.9	2162.9	2162.9
37.5°	2100.7	2089.0	2089.0	2085.1	2085.1
40°	2019.0	2011.2	2007.3	2007.3	2007.3
42.5°	1933.4	1925.6	1921.7	1917.9	1917.9
45°	1847.8	1836.2	1836.2	1828.4	1828.4
47.5°	1754.5	1746.7	1742.8	1735.0	1735.0
50°	1661.1	1653.3	1645.5	1645.5	1641.7
52.5°	1556.1	1556.1	1552.2	1544.4	1544.4
55°	1458.8	1454.9	1451.0	1439.4	1439.4
57.5°	1357.7	1353.8	1346.0	1334.3	1334.3
60°	1244.9	1244.9	1241.0	1225.4	1229.3
62.5°	1139.8	1135.9	1132.0	1120.4	1116.5
65°	1027.0	1027.0	1023.1	1007.6	1007.6
67.5°	918.1	918.1	910.3	894.7	894.7
70°	813.0	801.4	797.5	785.8	781.9
72.5°	696.3	692.5	684.7	673.0	673.0
75°	591.3	583.5	575.7	564.1	564.1
77.5°	478.5	470.7	462.9	459.0	451.3
80°	373.5	369.6	365.7	354.0	350.1
82.5°	268.4	264.5	260.6	256.8	252.9
85°	171.2	167.3	167.3	159.5	159.5
87.5°	73.9	77.8	70.0	73.9	70.0
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)