

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: P568473

Luminaire Tested: **24CGTX-80HE-L840**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568473
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-L840
Description: 2X4 8000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

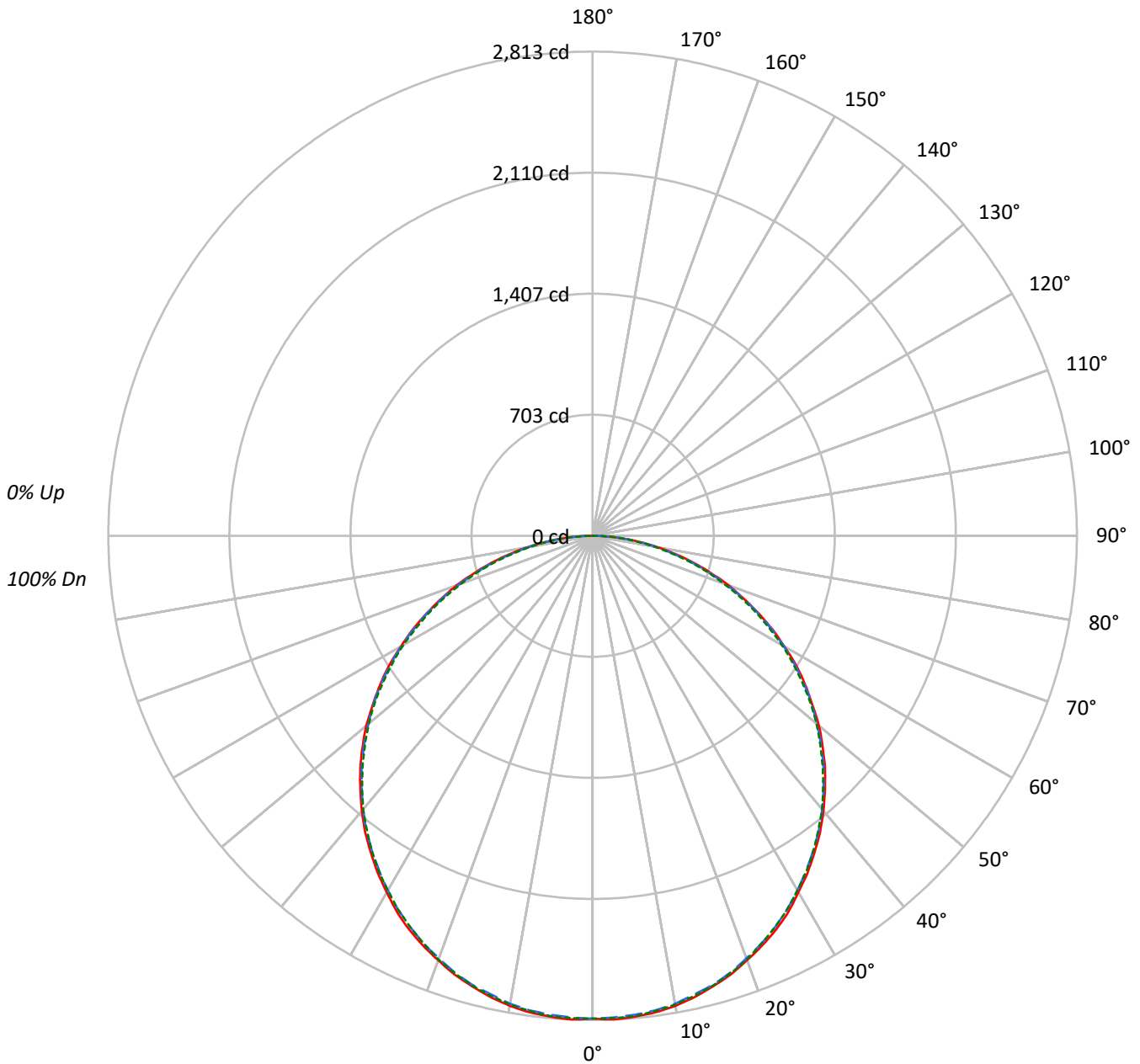
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8243.0 lumens
Efficiency: N/A
Efficacy: 129.4 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): 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°	3774	3774	3774
5°	3789	3772	3783
10°	3789	3772	3778
15°	3773	3762	3768
20°	3758	3740	3752
25°	3747	3723	3723
30°	3715	3696	3696
35°	3690	3670	3670
40°	3664	3642	3642
45°	3632	3609	3594
50°	3592	3558	3550
55°	3535	3516	3488
60°	3461	3450	3418
65°	3378	3365	3314
70°	3304	3241	3178
75°	3176	3092	3029
80°	2989	2927	2803
85°	2729	2668	2544



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.8	3.2
10°-20°	762.2	9.2
20°-30°	1156.7	14.0
30°-40°	1399.5	17.0
40°-50°	1462.0	17.7
50°-60°	1337.4	16.2
60°-70°	1040.9	12.6
70°-80°	627.4	7.6
80°-90°	191.2	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°	2184.7	26.5
0°-40°	3584.2	43.5
0°-60°	6383.5	77.4
0°-90°	8243.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8243.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2805	2805	2805	2805	2805	
5°	2805	2797	2793	2793	2801	267
15°	2709	2701	2701	2697	2705	765
25°	2524	2512	2508	2504	2508	1162
35°	2247	2238	2234	2234	2234	1406
45°	1909	1897	1897	1889	1889	1471
55°	1507	1503	1499	1487	1487	1346
65°	1061	1061	1057	1041	1041	1052
75°	611	603	595	583	583	643
85°	177	173	173	165	165	197
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2805.2	2805.2	2805.2	2805.2	2805.2
2.5°	2813.2	2805.2	2801.2	2801.2	2805.2
5°	2805.2	2797.1	2793.1	2793.1	2801.2
7.5°	2793.1	2781.1	2781.1	2777.1	2785.1
10°	2773.0	2761.0	2761.0	2757.0	2765.0
12.5°	2744.9	2732.8	2728.8	2728.8	2736.9
15°	2708.7	2700.7	2700.7	2696.7	2704.7
17.5°	2672.6	2660.5	2660.5	2656.5	2664.5
20°	2624.3	2616.3	2612.3	2612.3	2620.3
22.5°	2576.1	2568.1	2564.1	2564.1	2564.1
25°	2523.9	2511.8	2507.8	2503.8	2507.8
27.5°	2463.6	2447.5	2447.5	2443.5	2447.5
30°	2391.2	2383.2	2379.2	2375.2	2379.2
32.5°	2322.9	2310.9	2306.8	2310.9	2310.9
35°	2246.6	2238.5	2234.5	2234.5	2234.5
37.5°	2170.2	2158.1	2158.1	2154.1	2154.1
40°	2085.8	2077.8	2073.7	2073.7	2073.7
42.5°	1997.4	1989.4	1985.3	1981.3	1981.3
45°	1909.0	1896.9	1896.9	1888.9	1888.9
47.5°	1812.5	1804.5	1800.5	1792.4	1792.4
50°	1716.1	1708.0	1700.0	1700.0	1696.0
52.5°	1607.6	1607.6	1603.5	1595.5	1595.5
55°	1507.1	1503.1	1499.0	1487.0	1487.0
57.5°	1402.6	1398.6	1390.5	1378.5	1378.5
60°	1286.0	1286.0	1282.0	1266.0	1270.0
62.5°	1177.5	1173.5	1169.5	1157.4	1153.4
65°	1061.0	1061.0	1057.0	1040.9	1040.9
67.5°	948.5	948.5	940.4	924.3	924.3
70°	839.9	827.9	823.9	811.8	807.8
72.5°	719.4	715.4	707.3	695.3	695.3
75°	610.9	602.8	594.8	582.7	582.7
77.5°	494.3	486.3	478.2	474.2	466.2
80°	385.8	381.8	377.8	365.7	361.7
82.5°	277.3	273.3	269.3	265.2	261.2
85°	176.8	172.8	172.8	164.8	164.8
87.5°	76.4	80.4	72.3	76.4	72.3
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)