

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: P568429

Luminaire Tested: **24CGTX-80HE-L830**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568429
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-L830
Description: 2X4 8000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

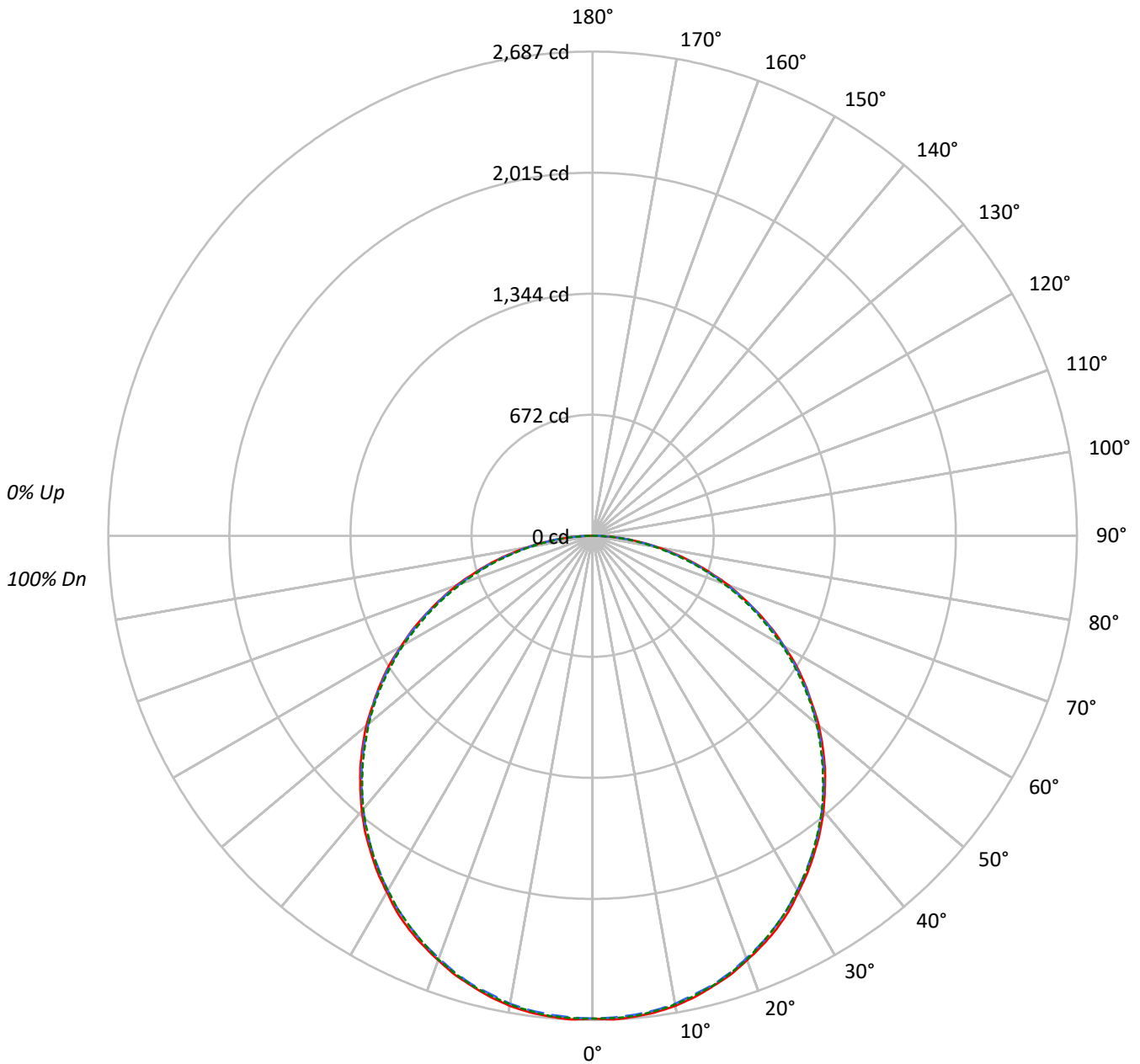
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7873.0 lumens
Efficiency: N/A
Efficacy: 123.6 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): 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					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	23							

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3605	3605	3605
5°	3619	3603	3613
10°	3619	3603	3608
15°	3604	3593	3598
20°	3589	3572	3583
25°	3579	3556	3556
30°	3548	3530	3530
35°	3524	3506	3506
40°	3499	3479	3479
45°	3469	3448	3433
50°	3431	3399	3391
55°	3377	3359	3331
60°	3305	3295	3264
65°	3226	3214	3165
70°	3156	3096	3035
75°	3033	2953	2894
80°	2855	2796	2677
85°	2607	2549	2430



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.9	3.2
10°-20°	728.0	9.2
20°-30°	1104.7	14.0
30°-40°	1336.7	17.0
40°-50°	1396.4	17.7
50°-60°	1277.3	16.2
60°-70°	994.2	12.6
70°-80°	599.2	7.6
80°-90°	182.6	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°	2086.6	26.5
0°-40°	3423.3	43.5
0°-60°	6097.0	77.4
0°-90°	7873.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7873.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2679	2679	2679	2679	2679	
5°	2679	2672	2668	2668	2675	255
15°	2587	2580	2580	2576	2583	731
25°	2411	2399	2395	2391	2395	1110
35°	2146	2138	2134	2134	2134	1343
45°	1823	1812	1812	1804	1804	1405
55°	1439	1436	1432	1420	1420	1286
65°	1013	1013	1010	994	994	1005
75°	584	576	568	557	557	614
85°	169	165	165	157	157	188
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2679.3	2679.3	2679.3	2679.3	2679.3
2.5°	2686.9	2679.3	2675.4	2675.4	2679.3
5°	2679.3	2671.6	2667.8	2667.8	2675.4
7.5°	2667.8	2656.2	2656.2	2652.4	2660.1
10°	2648.6	2637.0	2637.0	2633.2	2640.9
12.5°	2621.7	2610.2	2606.3	2606.3	2614.0
15°	2587.1	2579.5	2579.5	2575.6	2583.3
17.5°	2552.6	2541.1	2541.1	2537.2	2544.9
20°	2506.5	2498.9	2495.0	2495.0	2502.7
22.5°	2460.5	2452.8	2449.0	2449.0	2449.0
25°	2410.6	2399.1	2395.2	2391.4	2395.2
27.5°	2353.0	2337.6	2337.6	2333.8	2337.6
30°	2283.9	2276.2	2272.4	2268.6	2272.4
32.5°	2218.7	2207.1	2203.3	2207.1	2207.1
35°	2145.7	2138.0	2134.2	2134.2	2134.2
37.5°	2072.8	2061.3	2061.3	2057.4	2057.4
40°	1992.2	1984.5	1980.7	1980.7	1980.7
42.5°	1907.7	1900.1	1896.2	1892.4	1892.4
45°	1823.3	1811.8	1811.8	1804.1	1804.1
47.5°	1731.2	1723.5	1719.6	1712.0	1712.0
50°	1639.0	1631.4	1623.7	1623.7	1619.8
52.5°	1535.4	1535.4	1531.6	1523.9	1523.9
55°	1439.4	1435.6	1431.8	1420.2	1420.2
57.5°	1339.6	1335.8	1328.1	1316.6	1316.6
60°	1228.3	1228.3	1224.5	1209.1	1213.0
62.5°	1124.7	1120.8	1117.0	1105.5	1101.6
65°	1013.4	1013.4	1009.5	994.2	994.2
67.5°	905.9	905.9	898.2	882.9	882.9
70°	802.2	790.7	786.9	775.4	771.5
72.5°	687.1	683.3	675.6	664.1	664.1
75°	583.5	575.8	568.1	556.6	556.6
77.5°	472.1	464.5	456.8	452.9	445.3
80°	368.5	364.7	360.8	349.3	345.5
82.5°	264.9	261.0	257.2	253.3	249.5
85°	168.9	165.1	165.1	157.4	157.4
87.5°	72.9	76.8	69.1	72.9	69.1
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)