

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: P568280

Luminaire Tested: **14CGTX-80HE-L830**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568280
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-22)
Test Lab: INNOVATION CENTER
Issue Date: 9/19/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14CGTX-80HE-L830
Description: 1X4 8000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

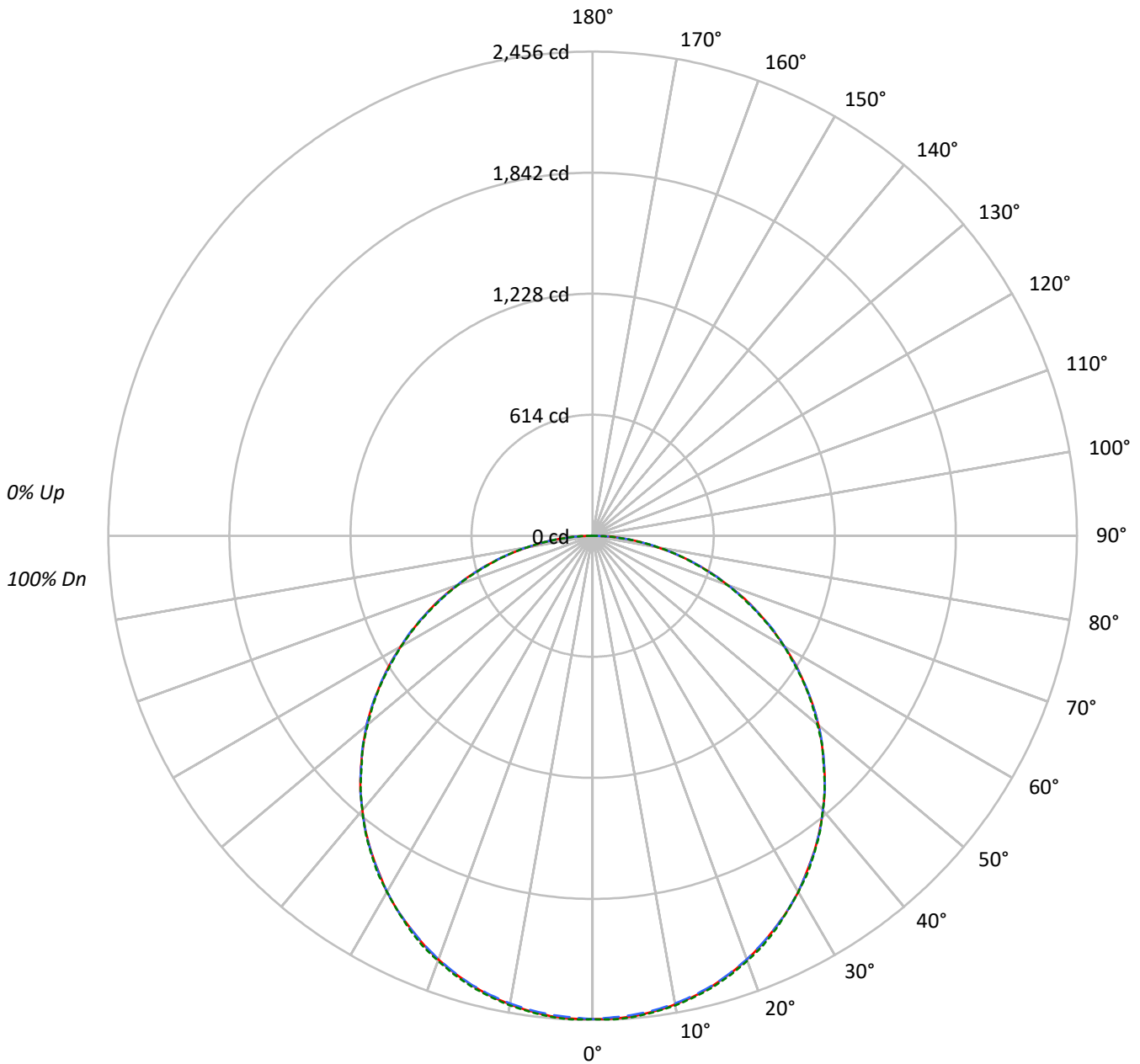
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7249.0 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 63.3
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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CATALOG NUMBER: 14CGTX-80HE-L830

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	93	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	63	87	77	69	63	74	67	62	71	65	61	69	64	60	57								
4	82	69	60	54	79	68	60	53	66	58	52	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	44	39	50	44	39	37								
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32								
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29								
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26								
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6598	6598	6598
5°	6606	6587	6616
10°	6596	6581	6608
15°	6578	6573	6598
20°	6551	6546	6569
25°	6512	6512	6534
30°	6482	6479	6482
35°	6432	6435	6444
40°	6384	6384	6384
45°	6325	6321	6304
50°	6265	6265	6228
55°	6157	6174	6148
60°	6046	6046	6032
65°	5915	5910	5875
70°	5723	5752	5688
75°	5543	5552	5476
80°	5151	5235	5235
85°	4851	4795	4712



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.4	3.2
10°-20°	666.9	9.2
20°-30°	1012.6	14.0
30°-40°	1226.1	16.9
40°-50°	1282.6	17.7
50°-60°	1174.7	16.2
60°-70°	918.8	12.7
70°-80°	561.9	7.8
80°-90°	173.0	2.4
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°	1911.9	26.4
0°-40°	3138.0	43.3
0°-60°	5595.3	77.2
0°-90°	7249.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7249.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2452	2452	2452	2452	2452	
5°	2446	2446	2438	2447	2449	232
15°	2361	2363	2359	2366	2368	666
25°	2193	2198	2193	2199	2200	1012
35°	1958	1959	1959	1962	1962	1225
45°	1662	1665	1661	1661	1656	1282
55°	1312	1321	1316	1312	1310	1175
65°	929	934	928	924	923	919
75°	533	530	534	530	527	562
85°	157	152	155	152	153	174
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2452.0	2452.0	2452.0	2452.0	2452.0
2.5°	2452.0	2452.0	2444.8	2453.8	2455.7
5°	2445.7	2445.7	2438.4	2446.6	2449.3
7.5°	2432.1	2433.0	2426.6	2434.8	2435.7
10°	2413.9	2414.8	2408.4	2417.5	2418.4
12.5°	2391.2	2392.1	2386.6	2394.8	2395.7
15°	2361.2	2363.0	2359.4	2365.8	2368.5
17.5°	2326.7	2329.4	2324.9	2333.1	2334.0
20°	2287.7	2288.6	2285.8	2292.2	2294.0
22.5°	2243.2	2245.9	2241.3	2249.5	2252.2
25°	2193.2	2197.7	2193.2	2198.7	2200.5
27.5°	2142.3	2146.0	2142.3	2145.1	2143.3
30°	2086.0	2087.0	2085.1	2086.0	2086.0
32.5°	2020.7	2024.3	2022.5	2027.0	2028.8
35°	1958.0	1958.9	1958.9	1961.6	1961.6
37.5°	1889.9	1889.9	1890.8	1893.5	1893.5
40°	1817.2	1819.0	1817.2	1819.0	1817.2
42.5°	1743.7	1742.8	1743.7	1744.6	1741.8
45°	1661.9	1664.7	1661.0	1661.0	1656.5
47.5°	1577.5	1582.9	1582.0	1579.3	1580.2
50°	1496.6	1498.5	1496.6	1493.9	1487.6
52.5°	1406.7	1412.2	1407.6	1408.6	1401.3
55°	1312.3	1321.4	1315.9	1312.3	1310.5
57.5°	1222.4	1225.1	1219.7	1215.1	1212.4
60°	1123.4	1127.0	1123.4	1119.8	1120.7
62.5°	1026.2	1031.7	1032.6	1025.3	1023.5
65°	929.0	933.6	928.1	924.5	922.7
67.5°	834.6	833.7	829.1	824.6	822.8
70°	727.4	733.8	731.1	732.0	722.9
72.5°	632.1	633.0	630.3	630.3	623.0
75°	533.1	530.4	534.0	530.4	526.7
77.5°	435.0	437.7	436.8	432.3	435.9
80°	332.4	336.0	337.8	334.2	337.8
82.5°	246.1	246.1	245.2	245.2	242.5
85°	157.1	151.7	155.3	151.7	152.6
87.5°	71.7	70.8	67.2	69.9	69.0
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)