

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: P568305

Luminaire Tested: **14CGTX-80HE-L940**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568305
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-L940
Description: 1X4 8000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

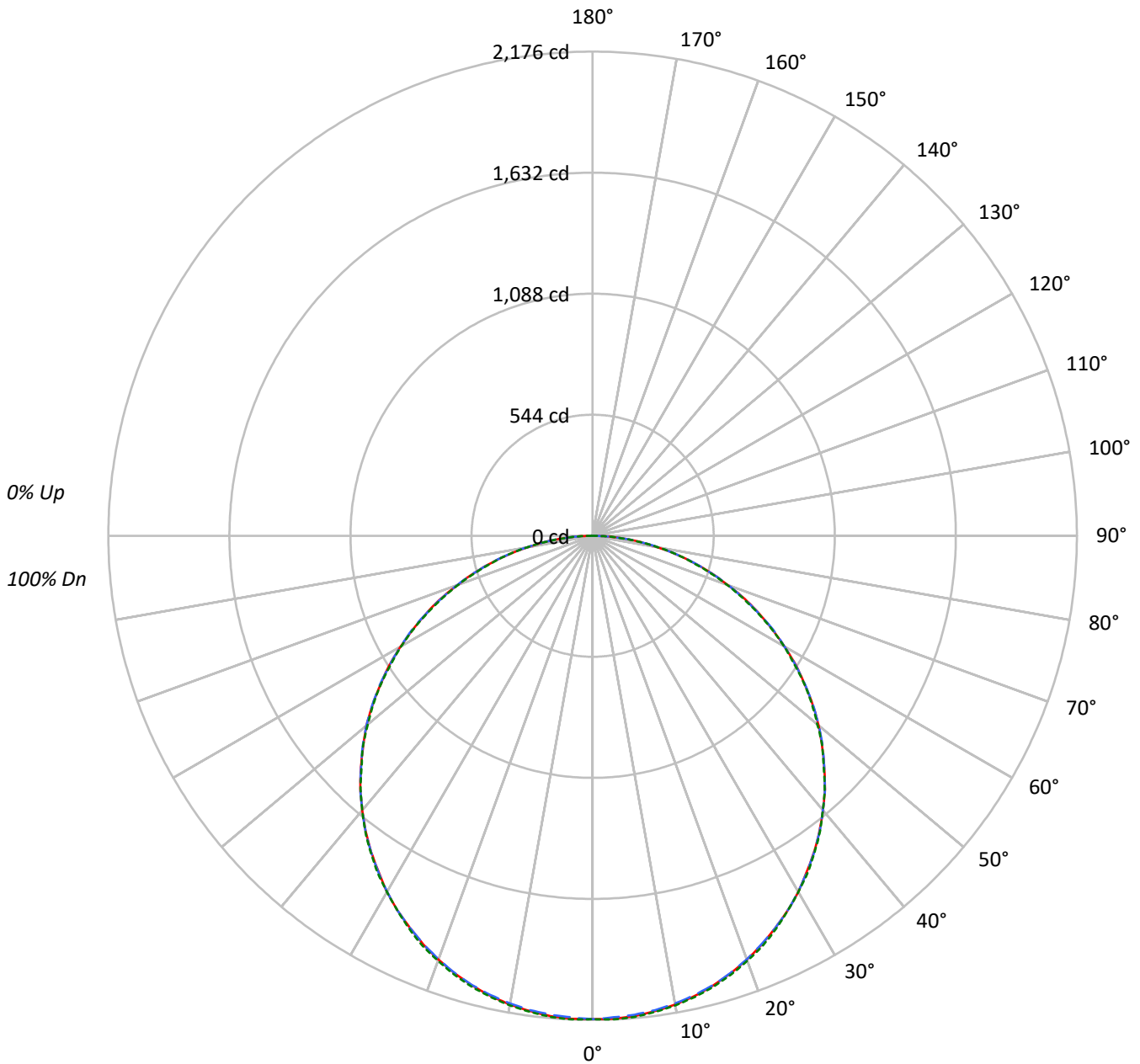
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6423.0 lumens
Efficiency: N/A
Efficacy: 101.5 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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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	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	68																			
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°	5846	5846	5846
5°	5854	5836	5862
10°	5844	5831	5855
15°	5829	5824	5847
20°	5805	5800	5821
25°	5770	5770	5789
30°	5743	5741	5743
35°	5699	5702	5710
40°	5656	5656	5656
45°	5604	5601	5586
50°	5552	5552	5518
55°	5455	5470	5447
60°	5357	5357	5344
65°	5242	5237	5206
70°	5071	5097	5039
75°	4911	4920	4852
80°	4564	4638	4638
85°	4298	4248	4174



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.9	3.2
10°-20°	590.9	9.2
20°-30°	897.2	14.0
30°-40°	1086.4	16.9
40°-50°	1136.5	17.7
50°-60°	1040.9	16.2
60°-70°	814.1	12.7
70°-80°	497.8	7.8
80°-90°	153.3	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°	1694.0	26.4
0°-40°	2780.4	43.3
0°-60°	4957.8	77.2
0°-90°	6423.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6423.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2173	2173	2173	2173	2173	
5°	2167	2167	2161	2168	2170	206
15°	2092	2094	2091	2096	2099	590
25°	1943	1947	1943	1948	1950	896
35°	1735	1736	1736	1738	1738	1085
45°	1473	1475	1472	1472	1468	1136
55°	1163	1171	1166	1163	1161	1041
65°	823	827	822	819	818	815
75°	472	470	473	470	467	498
85°	139	134	138	134	135	155
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2172.6	2172.6	2172.6	2172.6	2172.6
2.5°	2172.6	2172.6	2166.2	2174.2	2175.8
5°	2167.0	2167.0	2160.6	2167.8	2170.2
7.5°	2154.9	2155.7	2150.1	2157.3	2158.1
10°	2138.8	2139.6	2134.0	2142.1	2142.9
12.5°	2118.7	2119.5	2114.7	2121.9	2122.7
15°	2092.2	2093.8	2090.6	2096.2	2098.6
17.5°	2061.6	2064.0	2060.0	2067.2	2068.0
20°	2027.0	2027.8	2025.4	2031.0	2032.6
22.5°	1987.6	1990.0	1985.9	1993.2	1995.6
25°	1943.3	1947.3	1943.3	1948.1	1949.7
27.5°	1898.2	1901.5	1898.2	1900.6	1899.0
30°	1848.3	1849.1	1847.5	1848.3	1848.3
32.5°	1790.4	1793.6	1792.0	1796.0	1797.6
35°	1734.9	1735.7	1735.7	1738.1	1738.1
37.5°	1674.5	1674.5	1675.3	1677.8	1677.8
40°	1610.2	1611.8	1610.2	1611.8	1610.2
42.5°	1545.0	1544.2	1545.0	1545.8	1543.4
45°	1472.6	1475.0	1471.8	1471.8	1467.7
47.5°	1397.7	1402.6	1401.7	1399.3	1400.1
50°	1326.1	1327.7	1326.1	1323.7	1318.1
52.5°	1246.4	1251.3	1247.3	1248.1	1241.6
55°	1162.8	1170.8	1166.0	1162.8	1161.1
57.5°	1083.1	1085.5	1080.7	1076.7	1074.2
60°	995.4	998.6	995.4	992.2	993.0
62.5°	909.3	914.1	914.9	908.5	906.9
65°	823.2	827.2	822.4	819.2	817.6
67.5°	739.5	738.7	734.7	730.6	729.0
70°	644.5	650.2	647.8	648.6	640.5
72.5°	560.1	560.9	558.4	558.4	552.0
75°	472.3	469.9	473.2	469.9	466.7
77.5°	385.4	387.9	387.0	383.0	386.2
80°	294.5	297.7	299.3	296.1	299.3
82.5°	218.1	218.1	217.3	217.3	214.8
85°	139.2	134.4	137.6	134.4	135.2
87.5°	63.6	62.8	59.5	62.0	61.2
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)