

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: P568295

Luminaire Tested: **14CGTX-80HE-L935**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568295
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-L935
Description: 1X4 8000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

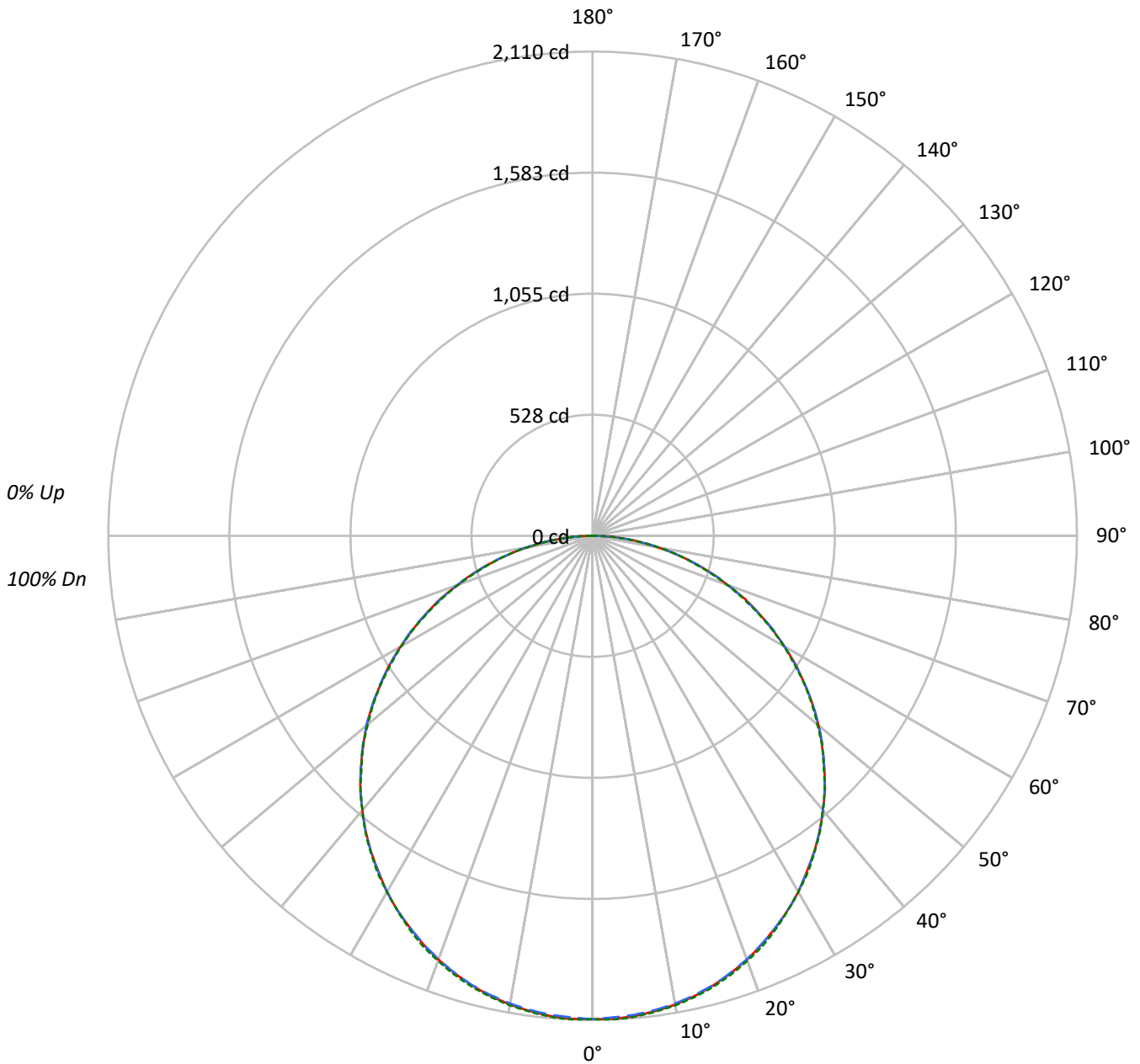
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6228.0 lumens
Efficiency: N/A
Efficacy: 98.4 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				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	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°	5669	5669	5669
5°	5676	5659	5684
10°	5667	5654	5678
15°	5651	5647	5669
20°	5628	5624	5644
25°	5595	5595	5613
30°	5569	5566	5569
35°	5526	5529	5536
40°	5485	5485	5485
45°	5434	5431	5416
50°	5383	5383	5350
55°	5290	5304	5282
60°	5195	5195	5182
65°	5082	5077	5047
70°	4917	4942	4887
75°	4762	4770	4705
80°	4426	4499	4499
85°	4168	4119	4048



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.6	3.2
10°-20°	573.0	9.2
20°-30°	870.0	14.0
30°-40°	1053.4	16.9
40°-50°	1102.0	17.7
50°-60°	1009.3	16.2
60°-70°	789.4	12.7
70°-80°	482.7	7.8
80°-90°	148.7	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°	1642.6	26.4
0°-40°	2696.0	43.3
0°-60°	4807.3	77.2
0°-90°	6228.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6228.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2107	2107	2107	2107	2107	
5°	2101	2101	2095	2102	2104	200
15°	2029	2030	2027	2032	2035	573
25°	1884	1888	1884	1889	1890	869
35°	1682	1683	1683	1685	1685	1052
45°	1428	1430	1427	1427	1423	1102
55°	1128	1135	1131	1128	1126	1009
65°	798	802	797	794	793	790
75°	458	456	459	456	452	483
85°	135	130	133	130	131	150
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2106.7	2106.7	2106.7	2106.7	2106.7
2.5°	2106.7	2106.7	2100.4	2108.2	2109.8
5°	2101.2	2101.2	2095.0	2102.0	2104.3
7.5°	2089.5	2090.3	2084.8	2091.8	2092.6
10°	2073.9	2074.7	2069.2	2077.0	2077.8
12.5°	2054.4	2055.2	2050.5	2057.5	2058.3
15°	2028.6	2030.2	2027.1	2032.5	2034.9
17.5°	1999.0	2001.3	1997.4	2004.5	2005.2
20°	1965.4	1966.2	1963.9	1969.3	1970.9
22.5°	1927.2	1929.6	1925.7	1932.7	1935.0
25°	1884.3	1888.2	1884.3	1889.0	1890.5
27.5°	1840.6	1843.7	1840.6	1842.9	1841.4
30°	1792.2	1793.0	1791.4	1792.2	1792.2
32.5°	1736.1	1739.2	1737.6	1741.5	1743.1
35°	1682.2	1683.0	1683.0	1685.3	1685.3
37.5°	1623.7	1623.7	1624.5	1626.8	1626.8
40°	1561.3	1562.8	1561.3	1562.8	1561.3
42.5°	1498.1	1497.3	1498.1	1498.9	1496.5
45°	1427.9	1430.2	1427.1	1427.1	1423.2
47.5°	1355.3	1360.0	1359.2	1356.9	1357.6
50°	1285.8	1287.4	1285.8	1283.5	1278.0
52.5°	1208.6	1213.3	1209.4	1210.2	1203.9
55°	1127.5	1135.3	1130.6	1127.5	1125.9
57.5°	1050.2	1052.6	1047.9	1044.0	1041.6
60°	965.2	968.3	965.2	962.0	962.8
62.5°	881.7	886.4	887.1	880.9	879.3
65°	798.2	802.1	797.4	794.3	792.7
67.5°	717.0	716.3	712.4	708.5	706.9
70°	625.0	630.4	628.1	628.9	621.1
72.5°	543.1	543.8	541.5	541.5	535.2
75°	458.0	455.7	458.8	455.7	452.5
77.5°	373.7	376.1	375.3	371.4	374.5
80°	285.6	288.7	290.3	287.1	290.3
82.5°	211.4	211.4	210.7	210.7	208.3
85°	135.0	130.3	133.4	130.3	131.1
87.5°	61.6	60.9	57.7	60.1	59.3
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)