

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: P568315

Luminaire Tested: **14CGTX-80HE-L950**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568315
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-L950
Description: 1X4 8000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

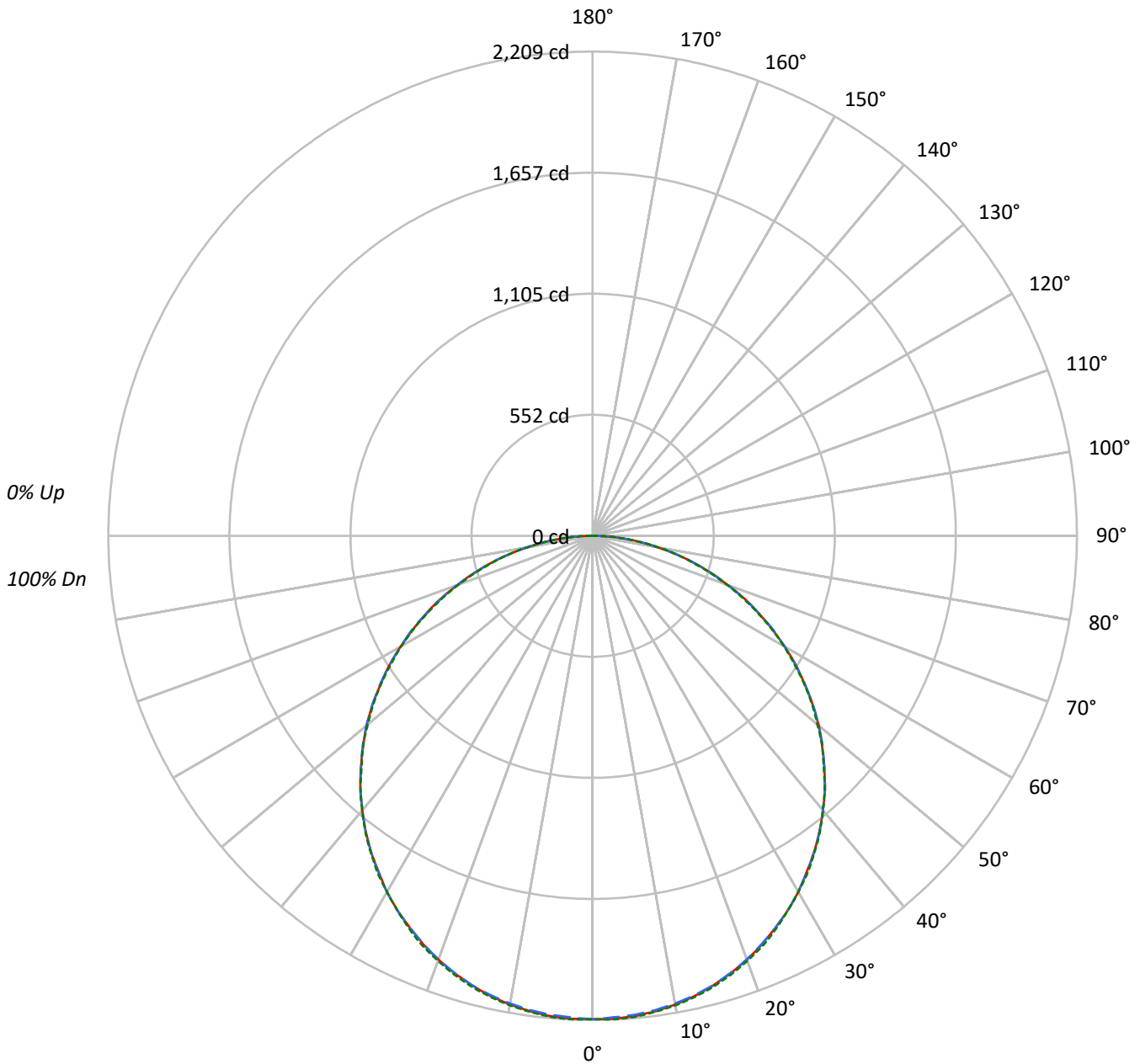
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6521.0 lumens
Efficiency: N/A
Efficacy: 103.0 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°	5936	5936	5936
5°	5943	5925	5952
10°	5934	5920	5945
15°	5918	5913	5936
20°	5893	5889	5909
25°	5858	5858	5877
30°	5831	5828	5831
35°	5786	5789	5797
40°	5742	5742	5742
45°	5689	5686	5671
50°	5636	5636	5602
55°	5538	5554	5531
60°	5439	5439	5426
65°	5321	5316	5285
70°	5149	5174	5116
75°	4986	4995	4926
80°	4634	4709	4709
85°	4363	4313	4236



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.0	3.2
10°-20°	599.9	9.2
20°-30°	910.9	14.0
30°-40°	1103.0	16.9
40°-50°	1153.8	17.7
50°-60°	1056.8	16.2
60°-70°	826.5	12.7
70°-80°	505.4	7.8
80°-90°	155.7	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°	1719.9	26.4
0°-40°	2822.8	43.3
0°-60°	5033.4	77.2
0°-90°	6521.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6521.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2206	2206	2206	2206	2206	
5°	2200	2200	2194	2201	2203	209
15°	2124	2126	2122	2128	2131	599
25°	1973	1977	1973	1978	1980	910
35°	1761	1762	1762	1765	1765	1102
45°	1495	1498	1494	1494	1490	1153
55°	1180	1189	1184	1180	1179	1057
65°	836	840	835	832	830	827
75°	480	477	480	477	474	505
85°	141	136	140	136	137	157
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2205.8	2205.8	2205.8	2205.8	2205.8
2.5°	2205.8	2205.8	2199.2	2207.4	2209.0
5°	2200.1	2200.1	2193.5	2200.9	2203.3
7.5°	2187.8	2188.6	2182.9	2190.3	2191.1
10°	2171.5	2172.3	2166.6	2174.7	2175.6
12.5°	2151.0	2151.9	2147.0	2154.3	2155.1
15°	2124.1	2125.7	2122.4	2128.2	2130.6
17.5°	2093.0	2095.5	2091.4	2098.8	2099.6
20°	2057.9	2058.7	2056.3	2062.0	2063.6
22.5°	2017.9	2020.3	2016.2	2023.6	2026.0
25°	1972.9	1977.0	1972.9	1977.8	1979.5
27.5°	1927.2	1930.5	1927.2	1929.6	1928.0
30°	1876.5	1877.4	1875.7	1876.5	1876.5
32.5°	1817.7	1821.0	1819.4	1823.4	1825.1
35°	1761.4	1762.2	1762.2	1764.6	1764.6
37.5°	1700.1	1700.1	1700.9	1703.4	1703.4
40°	1634.7	1636.4	1634.7	1636.4	1634.7
42.5°	1568.6	1567.7	1568.6	1569.4	1566.9
45°	1495.0	1497.5	1494.2	1494.2	1490.1
47.5°	1419.1	1424.0	1423.1	1420.7	1421.5
50°	1346.3	1348.0	1346.3	1343.9	1338.2
52.5°	1265.5	1270.4	1266.3	1267.1	1260.6
55°	1180.5	1188.7	1183.8	1180.5	1178.9
57.5°	1099.6	1102.1	1097.2	1093.1	1090.6
60°	1010.6	1013.8	1010.6	1007.3	1008.1
62.5°	923.2	928.1	928.9	922.3	920.7
65°	835.7	839.8	834.9	831.7	830.0
67.5°	750.8	750.0	745.9	741.8	740.2
70°	654.4	660.1	657.6	658.5	650.3
72.5°	568.6	569.4	567.0	567.0	560.4
75°	479.6	477.1	480.4	477.1	473.8
77.5°	391.3	393.8	393.0	388.9	392.1
80°	299.0	302.3	303.9	300.6	303.9
82.5°	221.4	221.4	220.6	220.6	218.1
85°	141.3	136.4	139.7	136.4	137.2
87.5°	64.5	63.7	60.5	62.9	62.1
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)