

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: P568369

Luminaire Tested: **22CGTX-60HE-L840**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568369
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)
Test Lab: INNOVATION CENTER
Issue Date: 9/19/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CGTX-60HE-L840
Description: 2X2 6000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

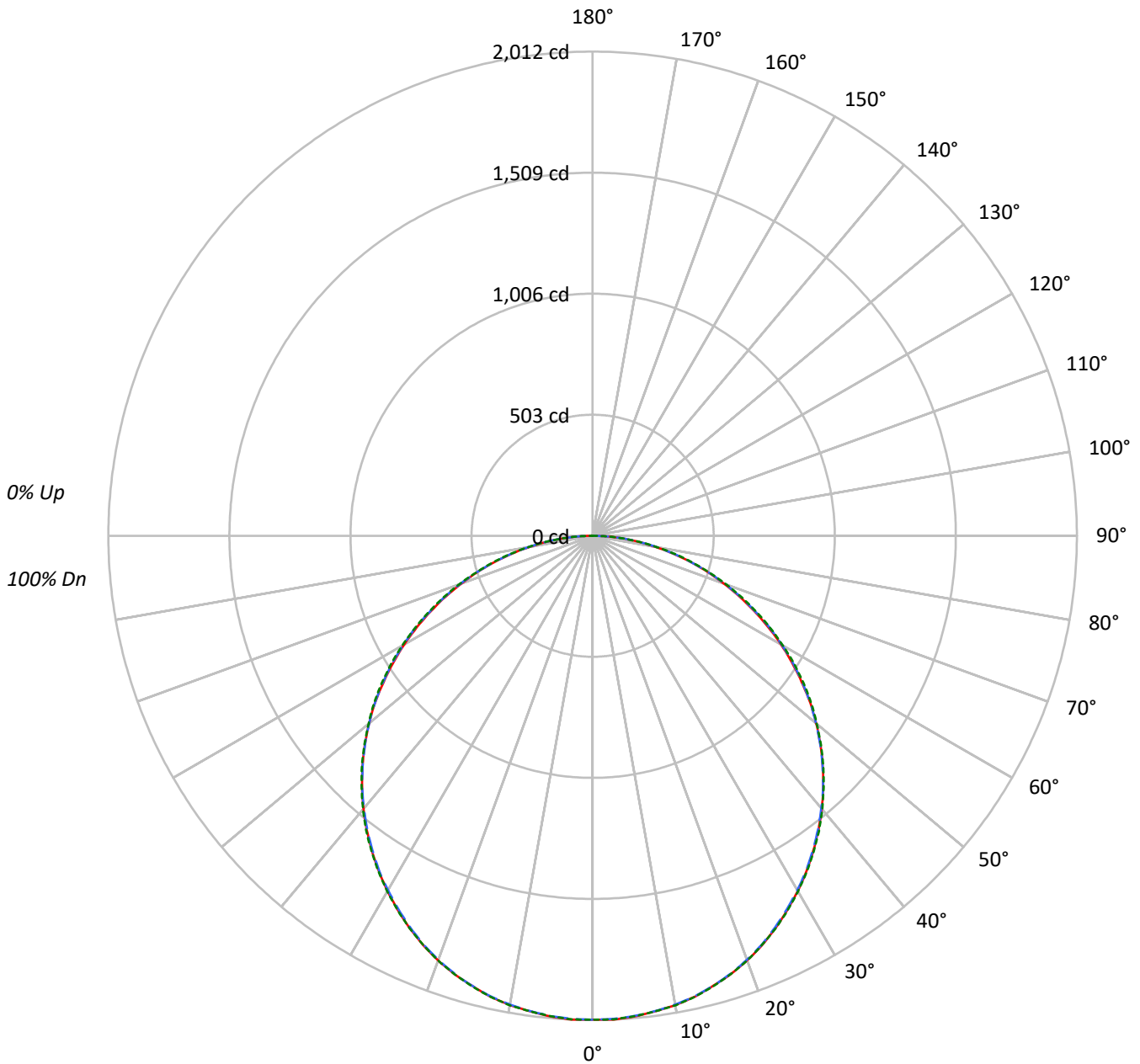
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5886.0 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 47.4
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	94	90	93	90	88	89	87	85	83																			
2	98	90	83	77	96	88	81	76	84	79	74	81	77	73	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	80	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	33																			
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	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	39	31	26	38	30	26	37	30	25	36	30	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5412	5412	5412
5°	5416	5411	5414
10°	5411	5405	5413
15°	5394	5394	5399
20°	5378	5369	5378
25°	5341	5329	5344
30°	5296	5284	5303
35°	5251	5241	5260
40°	5202	5192	5213
45°	5144	5141	5160
50°	5076	5072	5089
55°	4974	4988	5021
60°	4865	4886	4919
65°	4721	4753	4791
70°	4557	4604	4644
75°	4376	4407	4459
80°	4114	4162	4193
85°	3742	3776	3838



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.4	3.2
10°-20°	546.4	9.3
20°-30°	828.0	14.1
30°-40°	1000.0	17.0
40°-50°	1043.3	17.7
50°-60°	951.5	16.2
60°-70°	739.5	12.6
70°-80°	448.6	7.6
80°-90°	138.3	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°	1564.8	26.6
0°-40°	2564.8	43.6
0°-60°	4559.5	77.5
0°-90°	5886.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5886.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2011	2011	2011	2011	2011	
5°	2005	2002	2003	2002	2004	191
15°	1936	1936	1936	1936	1938	547
25°	1799	1795	1795	1798	1800	829
35°	1598	1596	1595	1601	1601	1000
45°	1352	1351	1351	1357	1356	1043
55°	1060	1062	1063	1066	1070	948
65°	742	744	746	750	752	734
75°	421	420	424	428	429	445
85°	121	122	122	125	124	137
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2011.1	2011.1	2011.1	2011.1	2011.1
2.5°	2012.1	2009.1	2009.1	2008.1	2011.1
5°	2005.1	2002.1	2003.1	2002.1	2004.1
7.5°	1993.1	1991.1	1992.1	1991.1	1993.1
10°	1980.1	1978.1	1978.1	1978.1	1981.1
12.5°	1962.0	1960.0	1960.0	1960.0	1962.0
15°	1936.0	1936.0	1936.0	1936.0	1938.0
17.5°	1909.9	1906.9	1907.9	1906.9	1909.9
20°	1877.9	1873.8	1874.8	1874.8	1877.9
22.5°	1840.8	1836.8	1837.8	1837.8	1839.8
25°	1798.7	1794.7	1794.7	1797.7	1799.7
27.5°	1752.6	1749.6	1748.6	1753.6	1754.6
30°	1704.5	1702.5	1700.5	1705.5	1706.5
32.5°	1653.4	1651.4	1650.4	1655.4	1655.4
35°	1598.3	1596.3	1595.3	1601.3	1601.3
37.5°	1541.2	1540.2	1538.2	1544.2	1545.2
40°	1481.0	1479.0	1478.0	1484.0	1484.0
42.5°	1417.9	1415.9	1416.9	1421.9	1420.9
45°	1351.8	1350.8	1350.8	1356.8	1355.8
47.5°	1283.6	1281.6	1282.6	1288.6	1286.6
50°	1212.5	1210.5	1211.5	1217.5	1215.5
52.5°	1139.3	1137.3	1139.3	1145.3	1145.3
55°	1060.2	1062.2	1063.2	1066.2	1070.2
57.5°	983.0	984.0	988.0	990.0	993.0
60°	903.9	905.9	907.9	911.9	913.9
62.5°	822.7	825.7	831.7	831.7	833.7
65°	741.5	743.5	746.5	749.5	752.5
67.5°	661.4	662.4	667.4	668.4	671.4
70°	579.2	580.2	585.2	586.2	590.2
72.5°	501.0	500.0	504.0	509.0	509.0
75°	420.9	419.9	423.9	427.9	428.9
77.5°	342.7	341.7	344.7	349.7	349.7
80°	265.5	267.5	268.6	272.6	270.6
82.5°	191.4	192.4	193.4	196.4	194.4
85°	121.2	122.3	122.3	125.3	124.3
87.5°	57.1	56.1	56.1	58.1	57.1
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)