

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: P568381

Luminaire Tested: **22CGTX-60HE-L850**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568381
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-L850
Description: 2X2 6000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

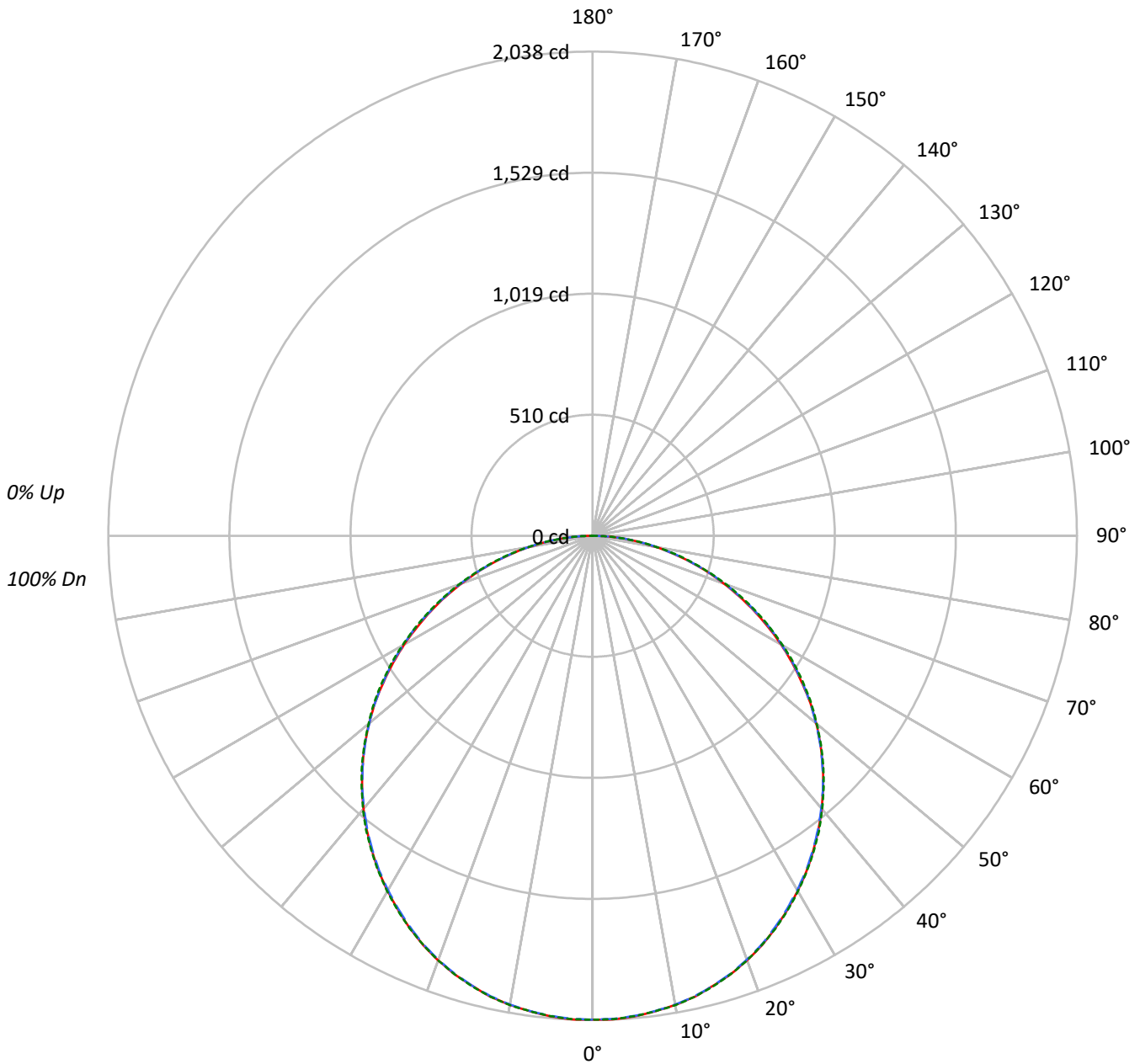
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5961.0 lumens
Efficiency: N/A
Efficacy: 125.8 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				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	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°	5481	5481	5481
5°	5485	5480	5482
10°	5479	5474	5482
15°	5462	5462	5468
20°	5446	5437	5446
25°	5409	5396	5412
30°	5364	5351	5370
35°	5317	5307	5327
40°	5269	5258	5280
45°	5210	5206	5225
50°	5141	5136	5153
55°	5037	5051	5085
60°	4927	4948	4981
65°	4782	4814	4853
70°	4615	4663	4703
75°	4431	4463	4515
80°	4167	4215	4246
85°	3792	3822	3884



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.8	3.2
10°-20°	553.4	9.3
20°-30°	838.5	14.1
30°-40°	1012.7	17.0
40°-50°	1056.6	17.7
50°-60°	963.6	16.2
60°-70°	749.0	12.6
70°-80°	454.3	7.6
80°-90°	140.1	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°	1584.7	26.6
0°-40°	2597.5	43.6
0°-60°	4617.6	77.5
0°-90°	5961.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5961.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2037	2037	2037	2037	2037	
5°	2031	2028	2029	2028	2030	193
15°	1961	1961	1961	1961	1963	554
25°	1822	1818	1818	1821	1823	839
35°	1619	1617	1616	1622	1622	1013
45°	1369	1368	1368	1374	1373	1056
55°	1074	1076	1077	1080	1084	961
65°	751	753	756	759	762	744
75°	426	425	429	433	434	451
85°	123	124	124	127	126	138
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2036.8	2036.8	2036.8	2036.8	2036.8
2.5°	2037.8	2034.7	2034.7	2033.7	2036.8
5°	2030.7	2027.6	2028.6	2027.6	2029.6
7.5°	2018.5	2016.5	2017.5	2016.5	2018.5
10°	2005.3	2003.3	2003.3	2003.3	2006.3
12.5°	1987.0	1985.0	1985.0	1985.0	1987.0
15°	1960.6	1960.6	1960.6	1960.6	1962.7
17.5°	1934.3	1931.2	1932.2	1931.2	1934.3
20°	1901.8	1897.7	1898.7	1898.7	1901.8
22.5°	1864.2	1860.2	1861.2	1861.2	1863.2
25°	1821.6	1817.5	1817.5	1820.6	1822.6
27.5°	1774.9	1771.9	1770.9	1775.9	1777.0
30°	1726.2	1724.2	1722.2	1727.2	1728.2
32.5°	1674.5	1672.4	1671.4	1676.5	1676.5
35°	1618.6	1616.6	1615.6	1621.7	1621.7
37.5°	1560.8	1559.8	1557.8	1563.8	1564.9
40°	1499.9	1497.9	1496.9	1503.0	1503.0
42.5°	1436.0	1433.9	1435.0	1440.0	1439.0
45°	1369.0	1368.0	1368.0	1374.1	1373.1
47.5°	1300.0	1298.0	1299.0	1305.1	1303.0
50°	1227.9	1225.9	1226.9	1233.0	1231.0
52.5°	1153.9	1151.8	1153.9	1159.9	1159.9
55°	1073.7	1075.7	1076.7	1079.8	1083.8
57.5°	995.5	996.6	1000.6	1002.6	1005.7
60°	915.4	917.4	919.4	923.5	925.5
62.5°	833.2	836.2	842.3	842.3	844.3
65°	751.0	753.0	756.0	759.1	762.1
67.5°	669.8	670.8	675.9	676.9	679.9
70°	586.6	587.6	592.7	593.7	597.7
72.5°	507.4	506.4	510.5	515.5	515.5
75°	426.2	425.2	429.3	433.3	434.3
77.5°	347.1	346.1	349.1	354.2	354.2
80°	268.9	271.0	272.0	276.0	274.0
82.5°	193.8	194.8	195.9	198.9	196.9
85°	122.8	123.8	123.8	126.9	125.8
87.5°	57.8	56.8	56.8	58.9	57.8
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)