

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: P568376

Luminaire Tested: **22CGTX-20HE-L850**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568376
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-20HE-L850
Description: 2X2 2000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

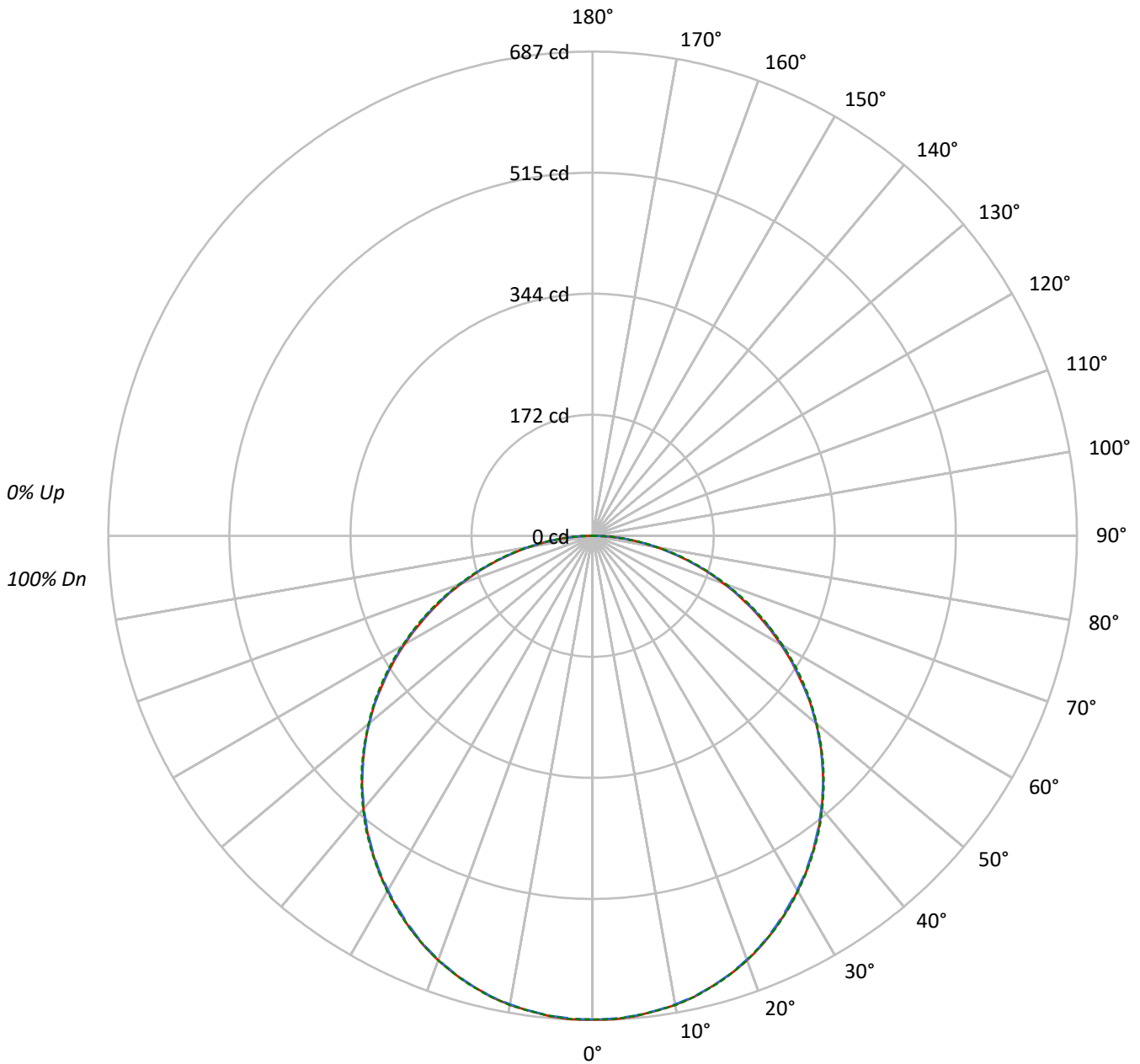
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2009.0 lumens
Efficiency: N/A
Efficacy: 135.7 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): 14.8
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°	1847	1847	1847
5°	1849	1847	1848
10°	1847	1845	1848
15°	1841	1841	1843
20°	1835	1832	1835
25°	1823	1819	1824
30°	1808	1803	1810
35°	1792	1789	1795
40°	1776	1772	1779
45°	1756	1754	1761
50°	1732	1731	1737
55°	1698	1703	1714
60°	1660	1668	1679
65°	1612	1622	1636
70°	1555	1571	1585
75°	1493	1504	1522
80°	1404	1421	1430
85°	1278	1288	1309



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.0	3.2
10°-20°	186.5	9.3
20°-30°	282.6	14.1
30°-40°	341.3	17.0
40°-50°	356.1	17.7
50°-60°	324.8	16.2
60°-70°	252.4	12.6
70°-80°	153.1	7.6
80°-90°	47.2	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°	534.1	26.6
0°-40°	875.4	43.6
0°-60°	1556.2	77.5
0°-90°	2009.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2009.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	686	686	686	686	686	
5°	684	683	684	683	684	65
15°	661	661	661	661	662	187
25°	614	613	613	614	614	283
35°	546	545	544	546	546	341
45°	461	461	461	463	463	356
55°	362	362	363	364	365	324
65°	253	254	255	256	257	251
75°	144	143	145	146	146	152
85°	41	42	42	43	42	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	686.4	686.4	686.4	686.4	686.4
2.5°	686.8	685.8	685.8	685.4	686.4
5°	684.4	683.4	683.7	683.4	684.0
7.5°	680.3	679.6	679.9	679.6	680.3
10°	675.8	675.1	675.1	675.1	676.2
12.5°	669.7	669.0	669.0	669.0	669.7
15°	660.8	660.8	660.8	660.8	661.5
17.5°	651.9	650.9	651.2	650.9	651.9
20°	640.9	639.6	639.9	639.9	640.9
22.5°	628.3	626.9	627.3	627.3	627.9
25°	613.9	612.6	612.6	613.6	614.3
27.5°	598.2	597.2	596.8	598.5	598.9
30°	581.8	581.1	580.4	582.1	582.5
32.5°	564.3	563.6	563.3	565.0	565.0
35°	545.5	544.8	544.5	546.5	546.5
37.5°	526.0	525.7	525.0	527.1	527.4
40°	505.5	504.8	504.5	506.5	506.5
42.5°	484.0	483.3	483.6	485.3	485.0
45°	461.4	461.0	461.0	463.1	462.8
47.5°	438.1	437.4	437.8	439.8	439.2
50°	413.8	413.2	413.5	415.6	414.9
52.5°	388.9	388.2	388.9	390.9	390.9
55°	361.9	362.5	362.9	363.9	365.3
57.5°	335.5	335.9	337.2	337.9	338.9
60°	308.5	309.2	309.9	311.2	311.9
62.5°	280.8	281.8	283.9	283.9	284.6
65°	253.1	253.8	254.8	255.8	256.9
67.5°	225.7	226.1	227.8	228.1	229.2
70°	197.7	198.0	199.7	200.1	201.4
72.5°	171.0	170.7	172.0	173.7	173.7
75°	143.6	143.3	144.7	146.0	146.4
77.5°	117.0	116.6	117.7	119.4	119.4
80°	90.6	91.3	91.7	93.0	92.3
82.5°	65.3	65.7	66.0	67.0	66.4
85°	41.4	41.7	41.7	42.8	42.4
87.5°	19.5	19.2	19.2	19.8	19.5
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)