

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: P568364

Luminaire Tested: **22CGTX-20HE-L840**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568364
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-L840
Description: 2X2 2000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

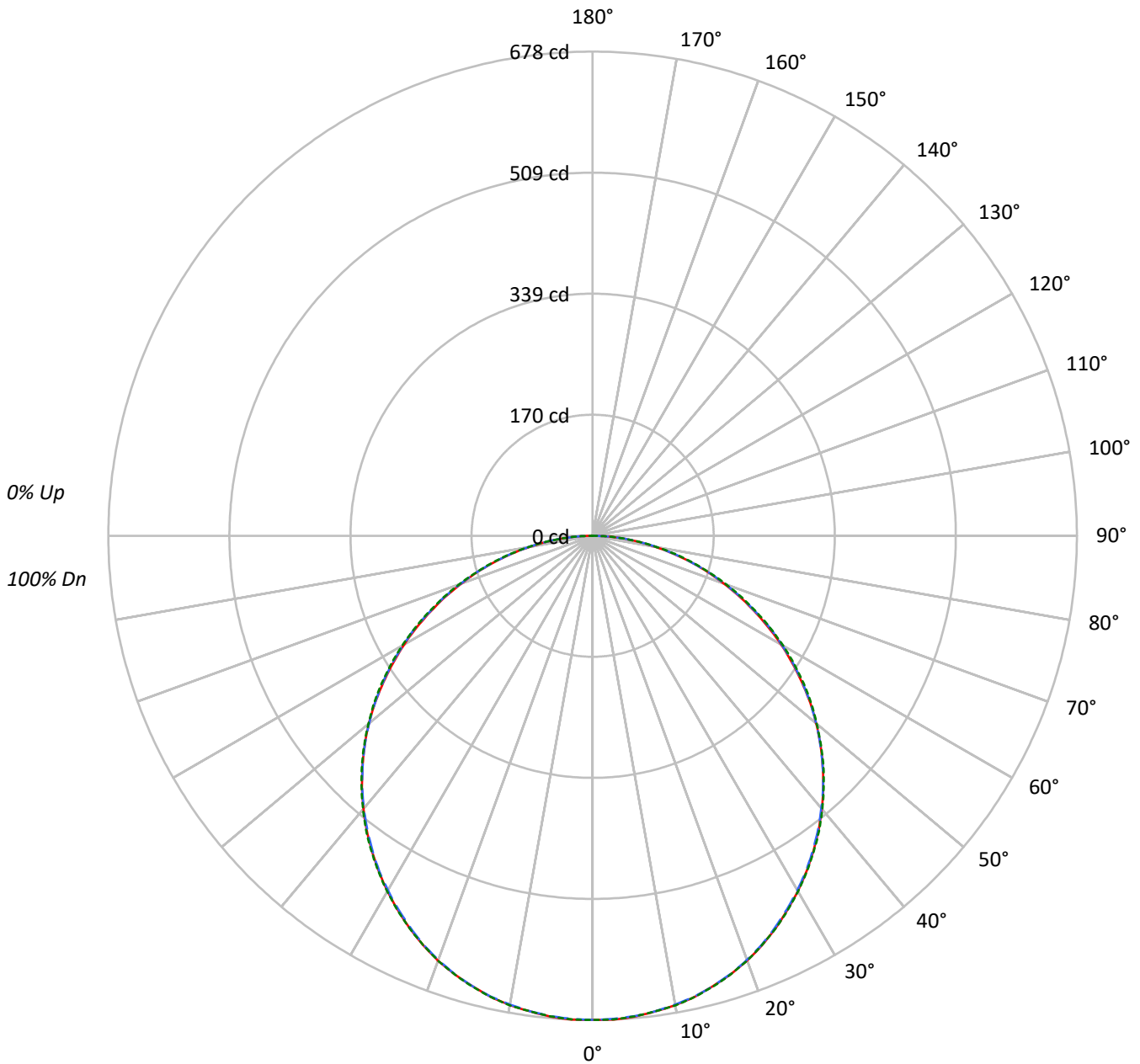
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1984.0 lumens
Efficiency: N/A
Efficacy: 134.1 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				
RC	80					70					50					30				
RW	70	50	30	10	70	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°	1824	1824	1824
5°	1826	1824	1825
10°	1824	1822	1825
15°	1818	1818	1820
20°	1813	1810	1813
25°	1800	1796	1801
30°	1785	1781	1787
35°	1770	1766	1773
40°	1754	1750	1757
45°	1734	1733	1739
50°	1711	1710	1715
55°	1677	1681	1692
60°	1640	1647	1658
65°	1591	1602	1615
70°	1536	1552	1565
75°	1475	1486	1503
80°	1387	1402	1413
85°	1263	1272	1294



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.2	3.2
10°-20°	184.2	9.3
20°-30°	279.1	14.1
30°-40°	337.1	17.0
40°-50°	351.7	17.7
50°-60°	320.7	16.2
60°-70°	249.3	12.6
70°-80°	151.2	7.6
80°-90°	46.6	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°	527.4	26.6
0°-40°	864.5	43.6
0°-60°	1536.9	77.5
0°-90°	1984.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1984.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	678	678	678	678	678	
5°	676	675	675	675	676	64
15°	653	653	653	653	653	184
25°	606	605	605	606	607	279
35°	539	538	538	540	540	337
45°	456	455	455	457	457	351
55°	357	358	358	359	361	320
65°	250	251	252	253	254	247
75°	142	142	143	144	145	150
85°	41	41	41	42	42	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	677.9	677.9	677.9	677.9	677.9
2.5°	678.2	677.2	677.2	676.9	677.9
5°	675.9	674.9	675.2	674.9	675.5
7.5°	671.8	671.1	671.5	671.1	671.8
10°	667.4	666.7	666.7	666.7	667.8
12.5°	661.3	660.7	660.7	660.7	661.3
15°	652.6	652.6	652.6	652.6	653.2
17.5°	643.8	642.8	643.1	642.8	643.8
20°	633.0	631.6	632.0	632.0	633.0
22.5°	620.5	619.1	619.5	619.5	620.1
25°	606.3	604.9	604.9	605.9	606.6
27.5°	590.7	589.7	589.4	591.1	591.4
30°	574.5	573.9	573.2	574.9	575.2
32.5°	557.3	556.6	556.3	558.0	558.0
35°	538.7	538.1	537.7	539.7	539.7
37.5°	519.5	519.1	518.5	520.5	520.8
40°	499.2	498.5	498.2	500.2	500.2
42.5°	477.9	477.3	477.6	479.3	478.9
45°	455.6	455.3	455.3	457.3	457.0
47.5°	432.7	432.0	432.3	434.4	433.7
50°	408.7	408.0	408.4	410.4	409.7
52.5°	384.0	383.4	384.0	386.1	386.1
55°	357.4	358.0	358.4	359.4	360.7
57.5°	331.3	331.7	333.0	333.7	334.7
60°	304.7	305.3	306.0	307.4	308.0
62.5°	277.3	278.3	280.3	280.3	281.0
65°	249.9	250.6	251.6	252.6	253.7
67.5°	222.9	223.3	225.0	225.3	226.3
70°	195.2	195.6	197.3	197.6	198.9
72.5°	168.9	168.5	169.9	171.6	171.6
75°	141.9	141.5	142.9	144.2	144.6
77.5°	115.5	115.2	116.2	117.9	117.9
80°	89.5	90.2	90.5	91.9	91.2
82.5°	64.5	64.9	65.2	66.2	65.5
85°	40.9	41.2	41.2	42.2	41.9
87.5°	19.3	18.9	18.9	19.6	19.3
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)