

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: P568306

Luminaire Tested: **14CGTX-20HE-L850**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568306
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-20HE-L850
Description: 1X4 2000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

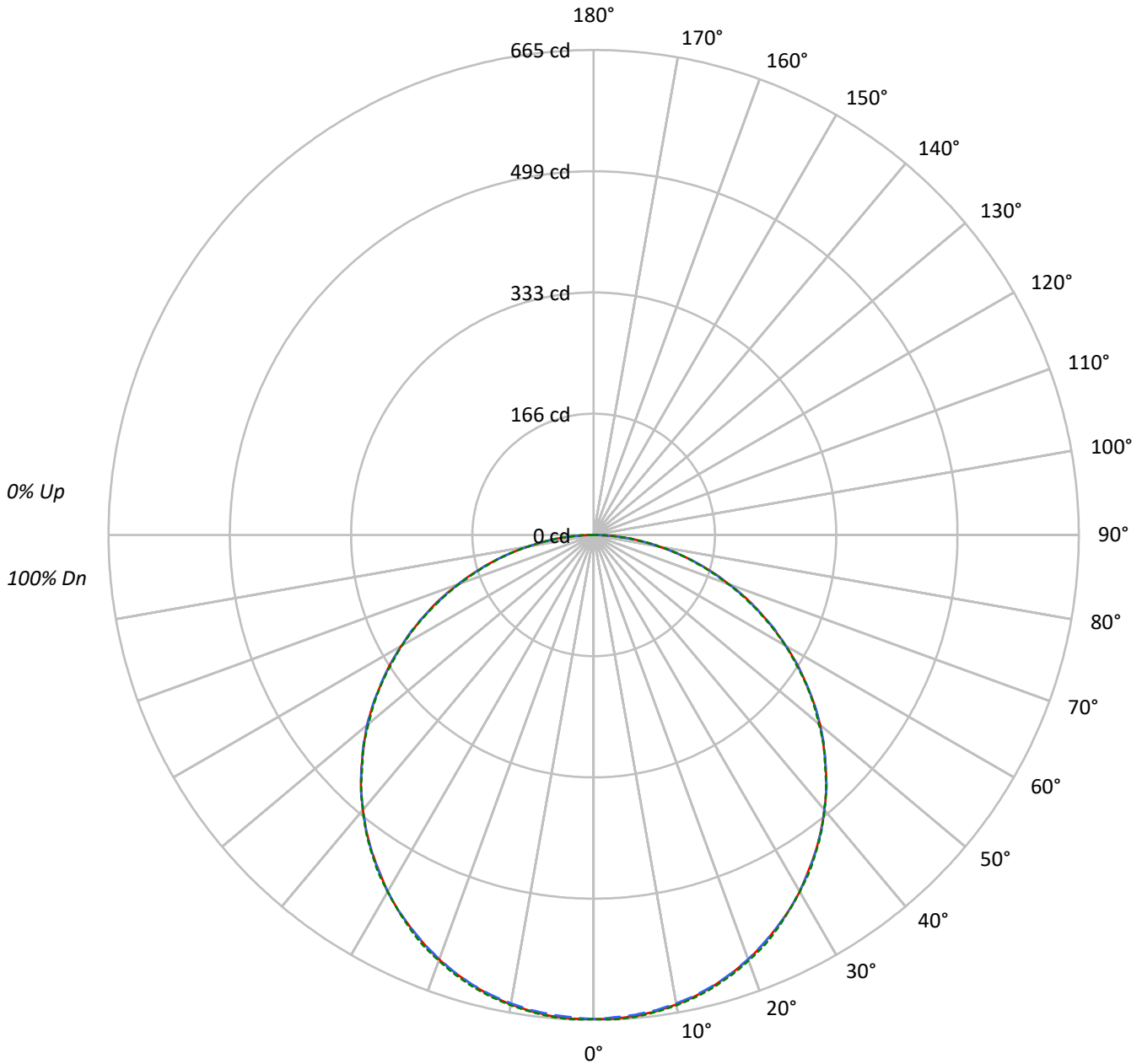
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1963.0 lumens
Efficiency: N/A
Efficacy: 132.6 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): 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	50	30	10	0		
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100	100		
	1	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83	83	83	83	83	83		
	2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68	68	68	68	68	68		
	3	89	79	70	63	87	77	69	63	74	67	62	71	65	61	69	64	60	57	57	57	57	57	57		
	4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49	49	49	49	49	49		
	5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42	42	42	42	42	42		
	6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37	37	37	37	37	37		
	7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32	32	32	32	32	32		
	8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29	29	29	29	29	29		
	9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26	26	26	26	26	26		
	10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23	23	23	23	23	23		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1787	1787	1787
5°	1789	1784	1792
10°	1786	1782	1790
15°	1781	1780	1787
20°	1774	1773	1779
25°	1763	1763	1769
30°	1755	1754	1755
35°	1742	1743	1745
40°	1729	1729	1729
45°	1713	1712	1707
50°	1697	1697	1686
55°	1667	1672	1665
60°	1637	1637	1633
65°	1602	1600	1591
70°	1550	1558	1541
75°	1501	1503	1483
80°	1395	1418	1418
85°	1312	1300	1275



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.9	3.2
10°-20°	180.6	9.2
20°-30°	274.2	14.0
30°-40°	332.0	16.9
40°-50°	347.3	17.7
50°-60°	318.1	16.2
60°-70°	248.8	12.7
70°-80°	152.2	7.8
80°-90°	46.9	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°	517.7	26.4
0°-40°	849.8	43.3
0°-60°	1515.2	77.2
0°-90°	1963.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1963.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	664	664	664	664	664	
5°	662	662	660	662	663	63
15°	639	640	639	641	641	180
25°	594	595	594	595	596	274
35°	530	530	530	531	531	332
45°	450	451	450	450	449	347
55°	355	358	356	355	355	318
65°	252	253	251	250	250	249
75°	144	144	145	144	143	152
85°	42	41	42	41	41	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	664.0	664.0	664.0	664.0	664.0
2.5°	664.0	664.0	662.0	664.5	665.0
5°	662.3	662.3	660.3	662.5	663.3
7.5°	658.6	658.8	657.1	659.3	659.6
10°	653.7	653.9	652.2	654.7	654.9
12.5°	647.5	647.8	646.3	648.5	648.8
15°	639.4	639.9	638.9	640.6	641.4
17.5°	630.1	630.8	629.6	631.8	632.0
20°	619.5	619.7	619.0	620.7	621.2
22.5°	607.4	608.2	606.9	609.2	609.9
25°	593.9	595.1	593.9	595.4	595.9
27.5°	580.1	581.1	580.1	580.9	580.4
30°	564.9	565.1	564.6	564.9	564.9
32.5°	547.2	548.2	547.7	548.9	549.4
35°	530.2	530.5	530.5	531.2	531.2
37.5°	511.8	511.8	512.0	512.8	512.8
40°	492.1	492.6	492.1	492.6	492.1
42.5°	472.2	471.9	472.2	472.4	471.7
45°	450.0	450.8	449.8	449.8	448.6
47.5°	427.2	428.6	428.4	427.7	427.9
50°	405.3	405.8	405.3	404.5	402.8
52.5°	380.9	382.4	381.2	381.4	379.5
55°	355.4	357.8	356.3	355.4	354.9
57.5°	331.0	331.8	330.3	329.0	328.3
60°	304.2	305.2	304.2	303.2	303.5
62.5°	277.9	279.4	279.6	277.7	277.2
65°	251.6	252.8	251.3	250.4	249.9
67.5°	226.0	225.8	224.5	223.3	222.8
70°	197.0	198.7	198.0	198.2	195.8
72.5°	171.2	171.4	170.7	170.7	168.7
75°	144.4	143.6	144.6	143.6	142.6
77.5°	117.8	118.5	118.3	117.1	118.0
80°	90.0	91.0	91.5	90.5	91.5
82.5°	66.6	66.6	66.4	66.4	65.7
85°	42.5	41.1	42.1	41.1	41.3
87.5°	19.4	19.2	18.2	18.9	18.7
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)