

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: P568334

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

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568334
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-20-L850
Description: 1X4 2000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

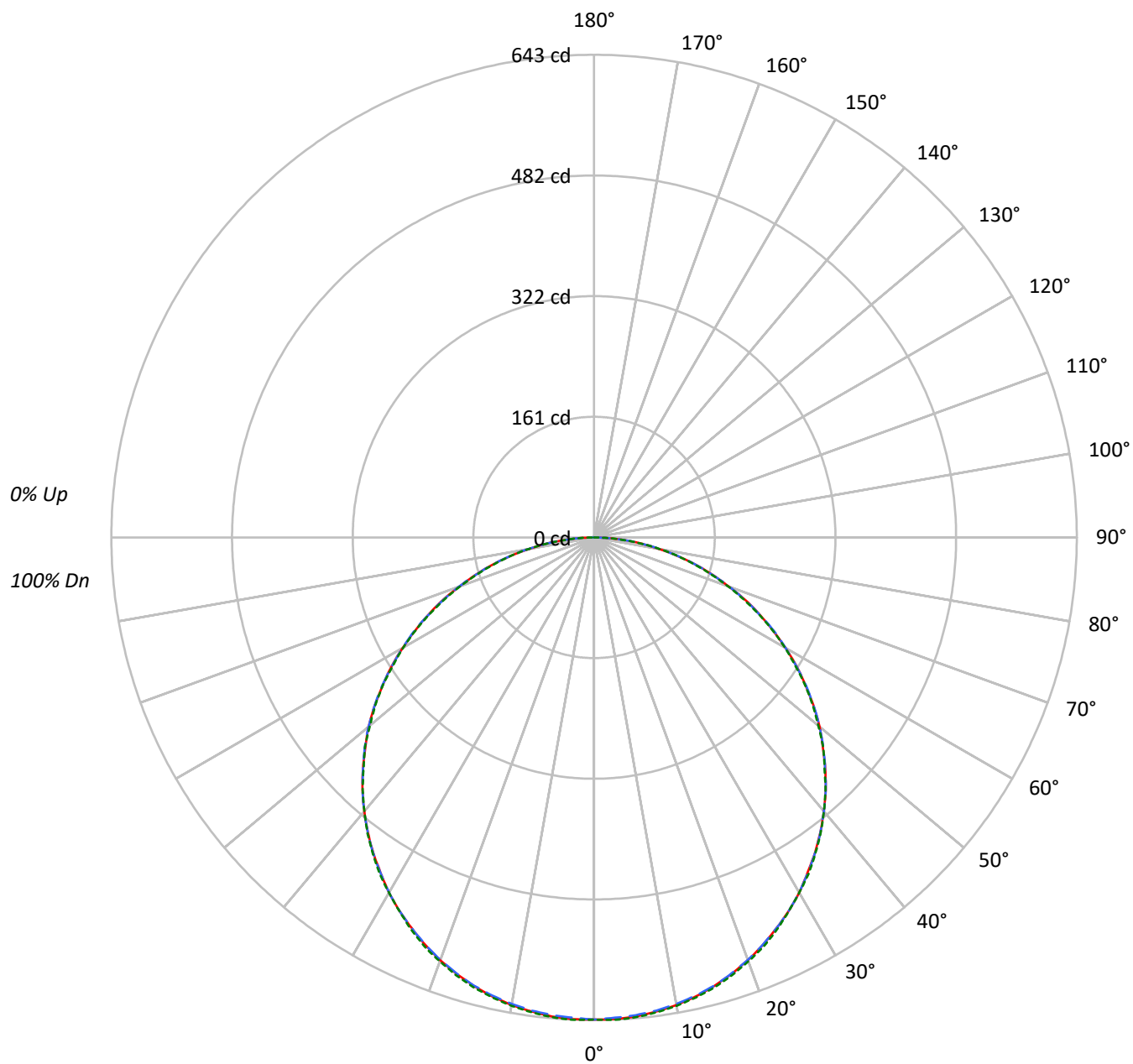
Lumens per Lamp: N/A
Luminaire Lumens: 1899.0 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16.4
Input Voltage (V): NR
Input Current (Ain): 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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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	93	90	93	90	88	89	87	85	83		
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69		
3	89	79	70	63	87	77	69	63	74	67	62	71	65	61	69	64	60	57		
4	82	69	60	54	79	68	60	53	66	58	52	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	44	39	50	44	39	37		
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32		
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29		
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26		
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1729	1729	1729
5°	1731	1726	1733
10°	1728	1724	1731
15°	1723	1722	1729
20°	1716	1715	1721
25°	1706	1706	1712
30°	1698	1697	1698
35°	1685	1686	1688
40°	1672	1672	1672
45°	1657	1656	1651
50°	1641	1641	1631
55°	1613	1617	1611
60°	1584	1584	1580
65°	1550	1548	1539
70°	1500	1507	1490
75°	1452	1455	1435
80°	1350	1371	1371
85°	1272	1257	1235



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.9	3.2
10°-20°	174.7	9.2
20°-30°	265.3	14.0
30°-40°	321.2	16.9
40°-50°	336.0	17.7
50°-60°	307.7	16.2
60°-70°	240.7	12.7
70°-80°	147.2	7.8
80°-90°	45.3	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°	500.8	26.4
0°-40°	822.0	43.3
0°-60°	1465.8	77.2
0°-90°	1899.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1899.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	642	642	642	642	642	
5°	641	641	639	641	642	61
15°	619	619	618	620	620	175
25°	574	576	574	576	576	265
35°	513	513	513	514	514	321
45°	435	436	435	435	434	336
55°	344	346	345	344	343	308
65°	243	245	243	242	242	241
75°	140	139	140	139	138	147
85°	41	40	41	40	40	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	642.4	642.4	642.4	642.4	642.4
2.5°	642.4	642.4	640.4	642.8	643.3
5°	640.7	640.7	638.8	640.9	641.6
7.5°	637.1	637.4	635.7	637.8	638.1
10°	632.4	632.6	630.9	633.3	633.5
12.5°	626.4	626.6	625.2	627.4	627.6
15°	618.6	619.0	618.1	619.8	620.5
17.5°	609.5	610.2	609.0	611.2	611.4
20°	599.3	599.5	598.8	600.5	601.0
22.5°	587.6	588.3	587.2	589.3	590.0
25°	574.5	575.7	574.5	576.0	576.5
27.5°	561.2	562.2	561.2	561.9	561.5
30°	546.5	546.7	546.2	546.5	546.5
32.5°	529.3	530.3	529.8	531.0	531.5
35°	512.9	513.2	513.2	513.9	513.9
37.5°	495.1	495.1	495.3	496.0	496.0
40°	476.1	476.5	476.1	476.5	476.1
42.5°	456.8	456.5	456.8	457.0	456.3
45°	435.4	436.1	435.1	435.1	433.9
47.5°	413.2	414.7	414.4	413.7	414.0
50°	392.1	392.5	392.1	391.4	389.7
52.5°	368.5	369.9	368.8	369.0	367.1
55°	343.8	346.2	344.7	343.8	343.3
57.5°	320.2	320.9	319.5	318.3	317.6
60°	294.3	295.2	294.3	293.3	293.6
62.5°	268.8	270.3	270.5	268.6	268.1
65°	243.4	244.6	243.1	242.2	241.7
67.5°	218.6	218.4	217.2	216.0	215.5
70°	190.6	192.2	191.5	191.8	189.4
72.5°	165.6	165.8	165.1	165.1	163.2
75°	139.7	138.9	139.9	138.9	138.0
77.5°	114.0	114.7	114.4	113.2	114.2
80°	87.1	88.0	88.5	87.6	88.5
82.5°	64.5	64.5	64.2	64.2	63.5
85°	41.2	39.7	40.7	39.7	40.0
87.5°	18.8	18.6	17.6	18.3	18.1
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)