

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: P568296

Luminaire Tested: **14CGTX-20HE-L840**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568296
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-L840
Description: 1X4 2000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

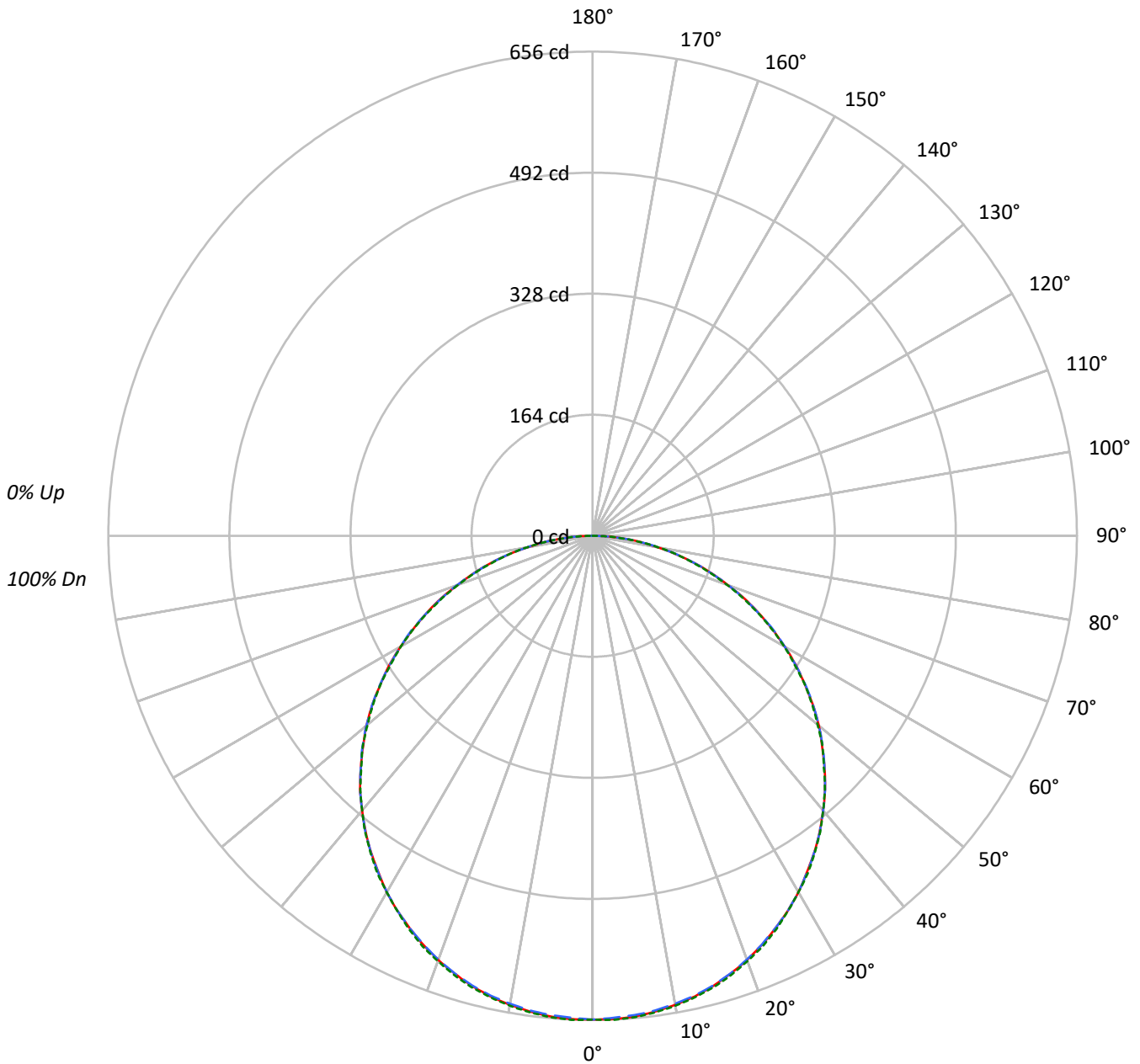
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1938.0 lumens
Efficiency: N/A
Efficacy: 130.9 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

TEST NUMBER: P568296
CATALOG NUMBER: 14CGTX-20HE-L840

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	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	68								
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°	1764	1764	1764
5°	1766	1761	1769
10°	1763	1759	1767
15°	1759	1757	1764
20°	1751	1750	1756
25°	1741	1741	1747
30°	1733	1732	1733
35°	1720	1720	1723
40°	1707	1707	1707
45°	1691	1690	1686
50°	1675	1675	1665
55°	1646	1650	1644
60°	1616	1616	1612
65°	1582	1580	1571
70°	1530	1537	1521
75°	1482	1485	1464
80°	1378	1399	1399
85°	1297	1281	1260



TEST NUMBER: P568296

CATALOG NUMBER: 14CGTX-20HE-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.1	3.2
10°-20°	178.3	9.2
20°-30°	270.7	14.0
30°-40°	327.8	16.9
40°-50°	342.9	17.7
50°-60°	314.1	16.2
60°-70°	245.6	12.7
70°-80°	150.2	7.8
80°-90°	46.3	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°	511.1	26.4
0°-40°	838.9	43.3
0°-60°	1495.9	77.2
0°-90°	1938.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1938.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	656	656	656	656	656	
5°	654	654	652	654	655	62
15°	631	632	631	632	633	178
25°	586	588	586	588	588	270
35°	524	524	524	524	524	327
45°	444	445	444	444	443	343
55°	351	353	352	351	350	314
65°	248	250	248	247	247	246
75°	142	142	143	142	141	150
85°	42	40	42	40	41	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	655.5	655.5	655.5	655.5	655.5
2.5°	655.5	655.5	653.6	656.0	656.5
5°	653.8	653.8	651.9	654.1	654.8
7.5°	650.2	650.4	648.7	650.9	651.2
10°	645.3	645.6	643.9	646.3	646.6
12.5°	639.3	639.5	638.1	640.2	640.5
15°	631.3	631.7	630.8	632.5	633.2
17.5°	622.0	622.8	621.6	623.7	624.0
20°	611.6	611.8	611.1	612.8	613.3
22.5°	599.7	600.4	599.2	601.4	602.1
25°	586.3	587.6	586.3	587.8	588.3
27.5°	572.8	573.7	572.8	573.5	573.0
30°	557.7	557.9	557.5	557.7	557.7
32.5°	540.2	541.2	540.7	541.9	542.4
35°	523.5	523.7	523.7	524.4	524.4
37.5°	505.3	505.3	505.5	506.2	506.2
40°	485.8	486.3	485.8	486.3	485.8
42.5°	466.2	465.9	466.2	466.4	465.7
45°	444.3	445.0	444.1	444.1	442.9
47.5°	421.7	423.2	422.9	422.2	422.5
50°	400.1	400.6	400.1	399.4	397.7
52.5°	376.1	377.5	376.3	376.6	374.6
55°	350.8	353.3	351.8	350.8	350.4
57.5°	326.8	327.5	326.1	324.9	324.1
60°	300.3	301.3	300.3	299.4	299.6
62.5°	274.4	275.8	276.1	274.1	273.6
65°	248.4	249.6	248.1	247.2	246.7
67.5°	223.1	222.9	221.7	220.5	220.0
70°	194.5	196.2	195.4	195.7	193.3
72.5°	169.0	169.2	168.5	168.5	166.6
75°	142.5	141.8	142.8	141.8	140.8
77.5°	116.3	117.0	116.8	115.6	116.5
80°	88.9	89.8	90.3	89.3	90.3
82.5°	65.8	65.8	65.6	65.6	64.8
85°	42.0	40.5	41.5	40.5	40.8
87.5°	19.2	18.9	18.0	18.7	18.5
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)