

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: P568300

Luminaire Tested: **14CGTX-80HE-L840**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568300
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-80HE-L840
Description: 1X4 8000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

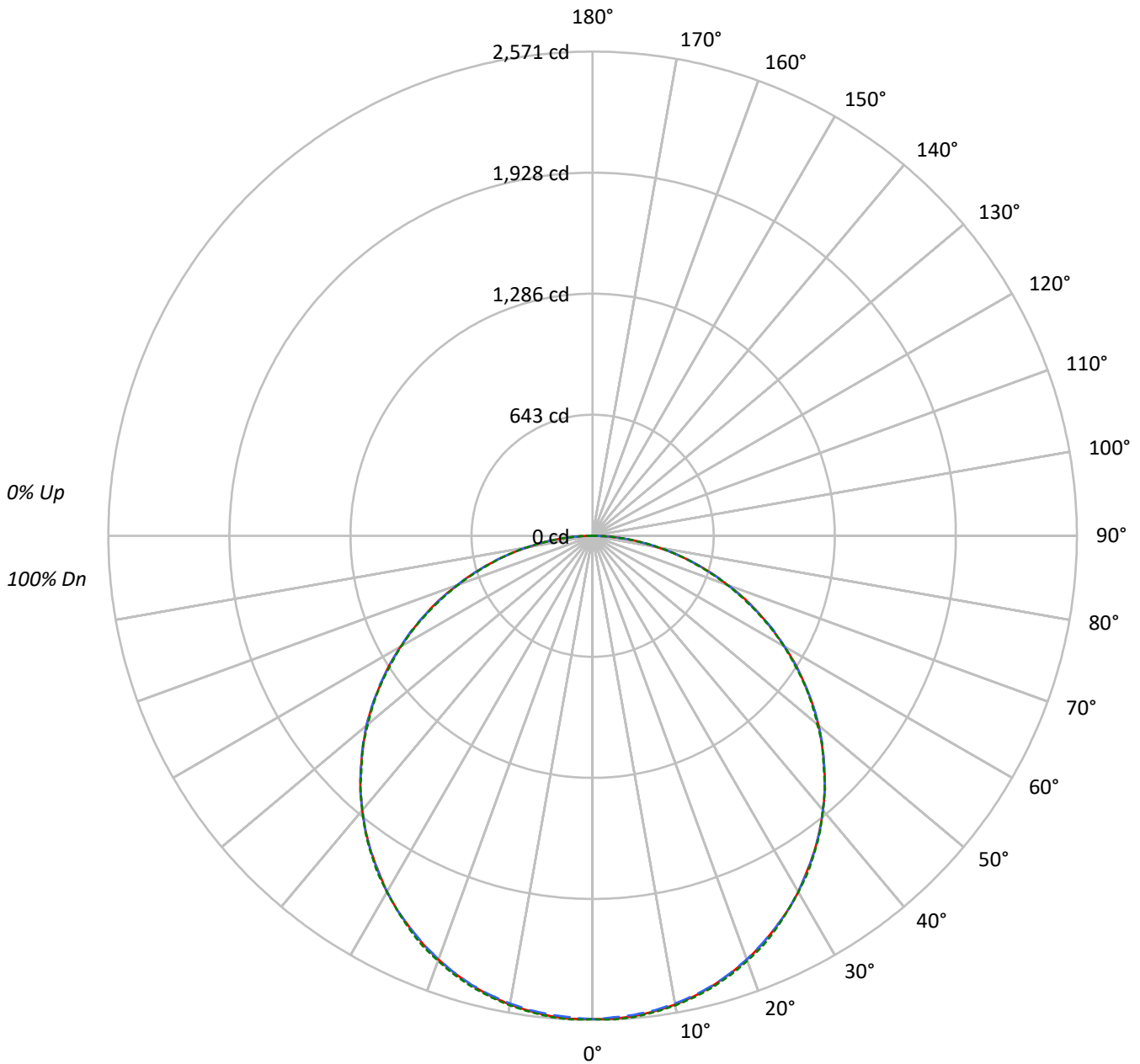
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7589.0 lumens
Efficiency: N/A
Efficacy: 119.9 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): 63.3
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: P568300
CATALOG NUMBER: 14CGTX-80HE-L840

Luminous Intensity Polar Plot





TEST NUMBER: P568300

CATALOG NUMBER: 14CGTX-80HE-L840

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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°	6908	6908	6908
5°	6916	6896	6927
10°	6905	6890	6918
15°	6887	6881	6908
20°	6859	6853	6877
25°	6818	6818	6840
30°	6786	6783	6786
35°	6734	6737	6746
40°	6683	6683	6683
45°	6621	6618	6600
50°	6559	6559	6520
55°	6445	6463	6436
60°	6330	6330	6314
65°	6193	6187	6151
70°	5992	6022	5954
75°	5803	5812	5733
80°	5393	5481	5481
85°	5079	5020	4931



TEST NUMBER: P568300

CATALOG NUMBER: 14CGTX-80HE-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.3	3.2
10°-20°	698.2	9.2
20°-30°	1060.1	14.0
30°-40°	1283.6	16.9
40°-50°	1342.8	17.7
50°-60°	1229.8	16.2
60°-70°	961.9	12.7
70°-80°	588.2	7.8
80°-90°	181.2	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°	2001.5	26.4
0°-40°	3285.2	43.3
0°-60°	5857.8	77.2
0°-90°	7589.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7589.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2567	2567	2567	2567	2567	
5°	2560	2560	2553	2561	2564	243
15°	2472	2474	2470	2477	2480	698
25°	2296	2301	2296	2302	2304	1059
35°	2050	2051	2051	2054	2054	1282
45°	1740	1743	1739	1739	1734	1342
55°	1374	1383	1378	1374	1372	1230
65°	973	977	972	968	966	963
75°	558	555	559	555	551	588
85°	164	159	163	159	160	183
90°	0	0	0	0	0	



TEST NUMBER: P568300

CATALOG NUMBER: 14CGTX-80HE-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2567.0	2567.0	2567.0	2567.0	2567.0
2.5°	2567.0	2567.0	2559.4	2568.9	2570.8
5°	2560.4	2560.4	2552.8	2561.3	2564.2
7.5°	2546.1	2547.1	2540.4	2549.0	2549.9
10°	2527.1	2528.1	2521.4	2530.9	2531.9
12.5°	2503.3	2504.3	2498.6	2507.1	2508.1
15°	2472.0	2473.9	2470.1	2476.7	2479.6
17.5°	2435.8	2438.7	2433.9	2442.5	2443.4
20°	2395.0	2395.9	2393.0	2399.7	2401.6
22.5°	2348.4	2351.2	2346.5	2355.0	2357.9
25°	2296.1	2300.8	2296.1	2301.8	2303.7
27.5°	2242.8	2246.6	2242.8	2245.7	2243.8
30°	2183.9	2184.8	2182.9	2183.9	2183.9
32.5°	2115.4	2119.2	2117.3	2122.1	2124.0
35°	2049.8	2050.8	2050.8	2053.6	2053.6
37.5°	1978.5	1978.5	1979.5	1982.3	1982.3
40°	1902.5	1904.4	1902.5	1904.4	1902.5
42.5°	1825.4	1824.5	1825.4	1826.4	1823.5
45°	1739.9	1742.7	1738.9	1738.9	1734.2
47.5°	1651.5	1657.2	1656.2	1653.4	1654.3
50°	1566.8	1568.7	1566.8	1564.0	1557.3
52.5°	1472.7	1478.4	1473.7	1474.6	1467.0
55°	1373.8	1383.3	1377.6	1373.8	1371.9
57.5°	1279.7	1282.6	1276.9	1272.1	1269.3
60°	1176.1	1179.9	1176.1	1172.3	1173.2
62.5°	1074.4	1080.1	1081.0	1073.4	1071.5
65°	972.6	977.4	971.7	967.9	966.0
67.5°	873.7	872.8	868.0	863.3	861.4
70°	761.6	768.2	765.4	766.3	756.8
72.5°	661.7	662.7	659.8	659.8	652.2
75°	558.1	555.2	559.0	555.2	551.4
77.5°	455.4	458.3	457.3	452.6	456.4
80°	348.0	351.8	353.7	349.9	353.7
82.5°	257.7	257.7	256.7	256.7	253.9
85°	164.5	158.8	162.6	158.8	159.7
87.5°	75.1	74.2	70.4	73.2	72.3
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)