

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: P568290

Luminaire Tested: **14CGTX-80HE-L835**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568290
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-L835
Description: 1X4 8000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

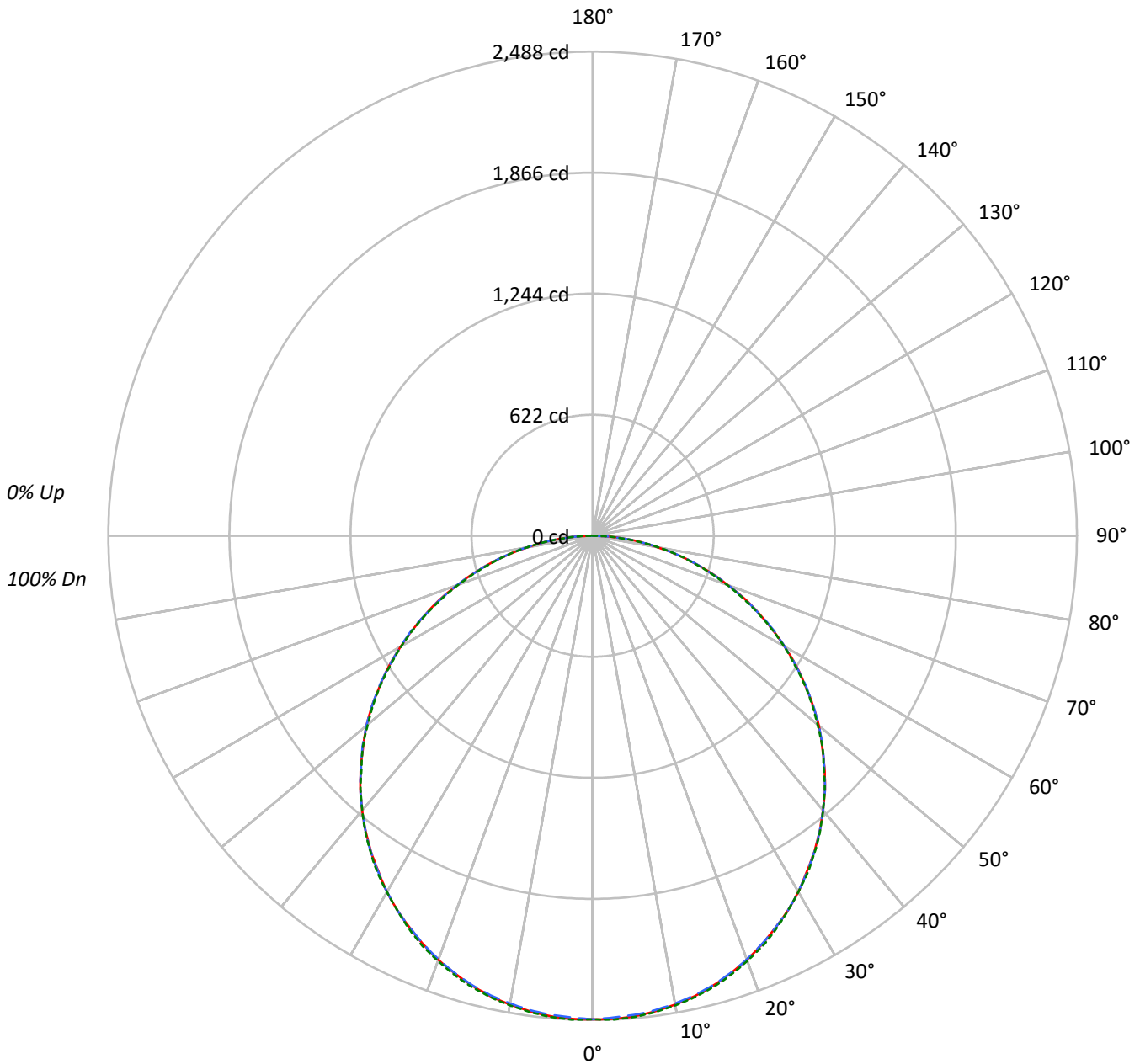
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7346.0 lumens
Efficiency: N/A
Efficacy: 116.1 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: P568290
CATALOG NUMBER: 14CGTX-80HE-L835

Luminous Intensity Polar Plot





TEST NUMBER: P568290

CATALOG NUMBER: 14CGTX-80HE-L835

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°	6687	6687	6687
5°	6695	6675	6705
10°	6684	6669	6697
15°	6666	6661	6687
20°	6639	6633	6657
25°	6599	6599	6621
30°	6569	6566	6569
35°	6518	6521	6530
40°	6469	6469	6469
45°	6409	6406	6388
50°	6350	6350	6311
55°	6239	6256	6230
60°	6127	6127	6112
65°	5995	5989	5954
70°	5800	5829	5764
75°	5617	5626	5550
80°	5219	5306	5306
85°	4915	4860	4773



TEST NUMBER: P568290

CATALOG NUMBER: 14CGTX-80HE-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.5	3.2
10°-20°	675.8	9.2
20°-30°	1026.1	14.0
30°-40°	1242.5	16.9
40°-50°	1299.8	17.7
50°-60°	1190.5	16.2
60°-70°	931.1	12.7
70°-80°	569.4	7.8
80°-90°	175.4	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°	1937.5	26.4
0°-40°	3180.0	43.3
0°-60°	5670.2	77.2
0°-90°	7346.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7346.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2485	2485	2485	2485	2485	
5°	2478	2478	2471	2479	2482	236
15°	2393	2395	2391	2397	2400	675
25°	2223	2227	2223	2228	2230	1025
35°	1984	1985	1985	1988	1988	1241
45°	1684	1687	1683	1683	1679	1299
55°	1330	1339	1334	1330	1328	1190
65°	942	946	941	937	935	932
75°	540	538	541	538	534	569
85°	159	154	157	154	155	177
90°	0	0	0	0	0	



TEST NUMBER: P568290

CATALOG NUMBER: 14CGTX-80HE-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2484.8	2484.8	2484.8	2484.8	2484.8
2.5°	2484.8	2484.8	2477.5	2486.7	2488.5
5°	2478.4	2478.4	2471.0	2479.3	2482.1
7.5°	2464.6	2465.5	2459.1	2467.4	2468.3
10°	2446.2	2447.1	2440.7	2449.9	2450.8
12.5°	2423.2	2424.1	2418.6	2426.9	2427.8
15°	2392.8	2394.7	2391.0	2397.4	2400.2
17.5°	2357.8	2360.6	2356.0	2364.3	2365.2
20°	2318.3	2319.2	2316.4	2322.9	2324.7
22.5°	2273.2	2275.9	2271.3	2279.6	2282.4
25°	2222.6	2227.2	2222.6	2228.1	2229.9
27.5°	2171.0	2174.7	2171.0	2173.8	2171.9
30°	2114.0	2114.9	2113.0	2114.0	2114.0
32.5°	2047.7	2051.4	2049.5	2054.1	2056.0
35°	1984.2	1985.1	1985.1	1987.9	1987.9
37.5°	1915.2	1915.2	1916.1	1918.8	1918.8
40°	1841.5	1843.4	1841.5	1843.4	1841.5
42.5°	1767.0	1766.1	1767.0	1767.9	1765.2
45°	1684.2	1686.9	1683.2	1683.2	1678.6
47.5°	1598.6	1604.1	1603.2	1600.4	1601.3
50°	1516.7	1518.5	1516.7	1513.9	1507.5
52.5°	1425.6	1431.1	1426.5	1427.4	1420.0
55°	1329.9	1339.1	1333.5	1329.9	1328.0
57.5°	1238.7	1241.5	1236.0	1231.4	1228.6
60°	1138.4	1142.1	1138.4	1134.7	1135.7
62.5°	1040.0	1045.5	1046.4	1039.0	1037.2
65°	941.5	946.1	940.6	936.9	935.0
67.5°	845.8	844.8	840.2	835.6	833.8
70°	737.2	743.6	740.9	741.8	732.6
72.5°	640.5	641.5	638.7	638.7	631.3
75°	540.2	537.5	541.1	537.5	533.8
77.5°	440.8	443.6	442.7	438.1	441.7
80°	336.8	340.5	342.4	338.7	342.4
82.5°	249.4	249.4	248.5	248.5	245.7
85°	159.2	153.7	157.4	153.7	154.6
87.5°	72.7	71.8	68.1	70.9	69.9
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)