

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: P568448

Luminaire Tested: **24CGTX-55HE-L835**

Issue Date: 9/19/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P568448  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-55HE-L835  
Description: 2X4 5500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS  
Light Source: -  
Ballast/Driver: -

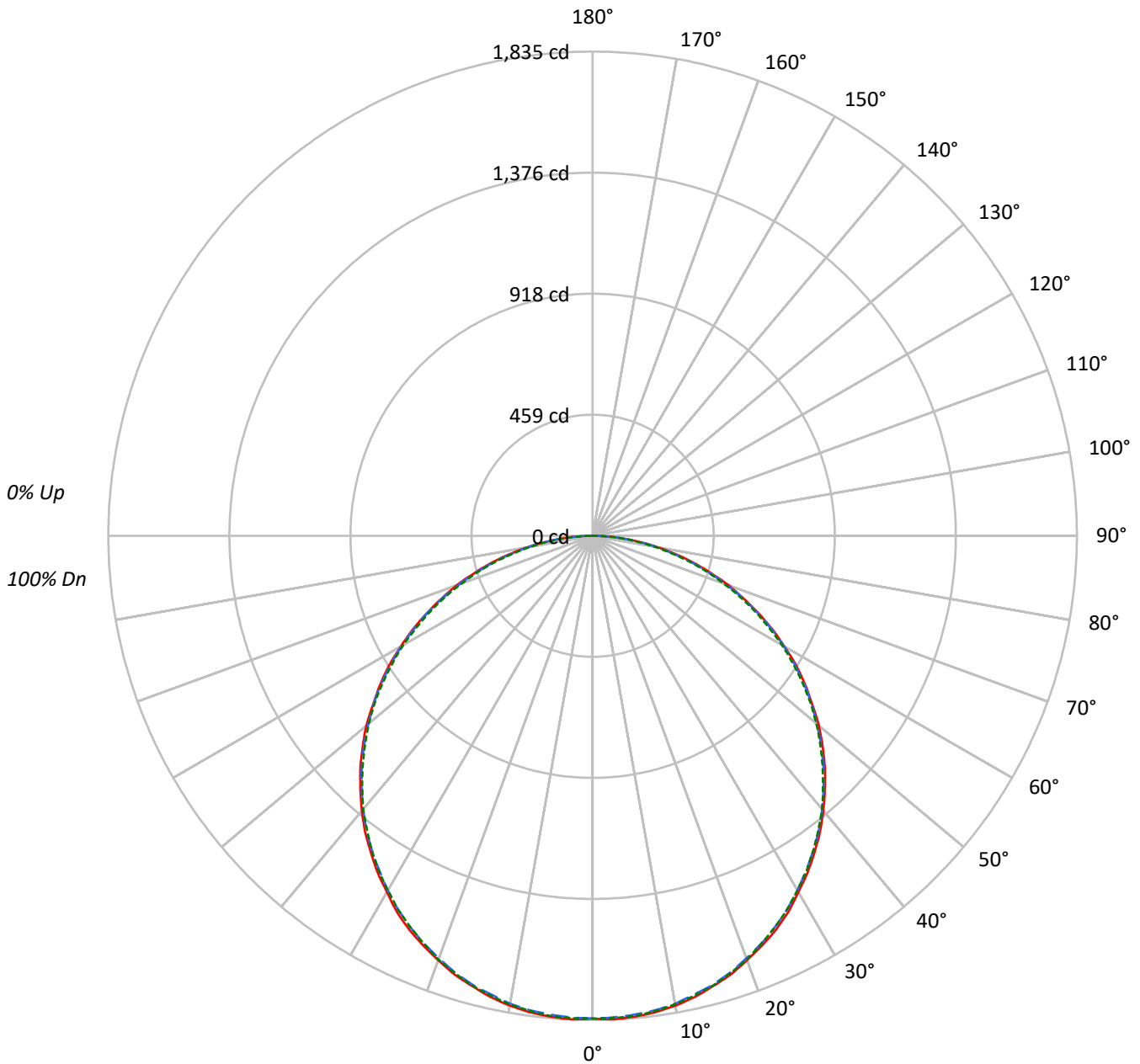
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5376.0 lumens  
Efficiency: N/A  
Efficacy: 121.4 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.38  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 44.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P568448

CATALOG NUMBER: 24CGTX-55HE-L835

### Luminous Intensity Polar Plot





TEST NUMBER: P568448

CATALOG NUMBER: 24CGTX-55HE-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	94	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	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58																			
4	82	70	61	54	79	68	60	53	66	58	53	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	45	39	50	44	39	37																			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	32																			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29																			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	38	31	26	37	30	26	37	30	25	36	30	25	24																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2462	2462	2462
5°	2471	2460	2467
10°	2471	2460	2464
15°	2461	2454	2457
20°	2451	2439	2447
25°	2444	2428	2428
30°	2423	2411	2411
35°	2407	2394	2394
40°	2389	2376	2376
45°	2369	2354	2344
50°	2343	2321	2315
55°	2306	2293	2275
60°	2257	2250	2229
65°	2203	2195	2161
70°	2155	2114	2072
75°	2071	2017	1976
80°	1949	1909	1828
85°	1780	1740	1660



TEST NUMBER: P568448

CATALOG NUMBER: 24CGTX-55HE-L835

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.4	3.2
10°-20°	497.1	9.2
20°-30°	754.3	14.0
30°-40°	912.7	17.0
40°-50°	953.5	17.7
50°-60°	872.2	16.2
60°-70°	678.9	12.6
70°-80°	409.2	7.6
80°-90°	124.7	2.3
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°	1424.8	26.5
0°-40°	2337.5	43.5
0°-60°	4163.2	77.4
0°-90°	5376.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5376.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1830	1830	1830	1830	1830	
5°	1830	1824	1822	1822	1827	174
15°	1767	1761	1761	1759	1764	499
25°	1646	1638	1636	1633	1636	758
35°	1465	1460	1457	1457	1457	917
45°	1245	1237	1237	1232	1232	960
55°	983	980	978	970	970	878
65°	692	692	689	679	679	686
75°	398	393	388	380	380	419
85°	115	113	113	108	108	128
90°	0	0	0	0	0	



TEST NUMBER: P568448

CATALOG NUMBER: 24CGTX-55HE-L835

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1829.5	1829.5	1829.5	1829.5	1829.5
2.5°	1834.8	1829.5	1826.9	1826.9	1829.5
5°	1829.5	1824.3	1821.6	1821.6	1826.9
7.5°	1821.6	1813.8	1813.8	1811.2	1816.4
10°	1808.5	1800.7	1800.7	1798.1	1803.3
12.5°	1790.2	1782.3	1779.7	1779.7	1785.0
15°	1766.6	1761.4	1761.4	1758.7	1764.0
17.5°	1743.0	1735.2	1735.2	1732.5	1737.8
20°	1711.6	1706.3	1703.7	1703.7	1708.9
22.5°	1680.1	1674.9	1672.2	1672.2	1672.2
25°	1646.0	1638.2	1635.6	1632.9	1635.6
27.5°	1606.7	1596.2	1596.2	1593.6	1596.2
30°	1559.5	1554.3	1551.7	1549.1	1551.7
32.5°	1515.0	1507.1	1504.5	1507.1	1507.1
35°	1465.2	1459.9	1457.3	1457.3	1457.3
37.5°	1415.4	1407.5	1407.5	1404.9	1404.9
40°	1360.3	1355.1	1352.5	1352.5	1352.5
42.5°	1302.7	1297.4	1294.8	1292.2	1292.2
45°	1245.0	1237.1	1237.1	1231.9	1231.9
47.5°	1182.1	1176.9	1174.2	1169.0	1169.0
50°	1119.2	1114.0	1108.7	1108.7	1106.1
52.5°	1048.4	1048.4	1045.8	1040.6	1040.6
55°	982.9	980.3	977.7	969.8	969.8
57.5°	914.8	912.1	906.9	899.0	899.0
60°	838.7	838.7	836.1	825.6	828.3
62.5°	768.0	765.4	762.7	754.9	752.2
65°	692.0	692.0	689.3	678.9	678.9
67.5°	618.6	618.6	613.3	602.8	602.8
70°	547.8	539.9	537.3	529.5	526.8
72.5°	469.2	466.6	461.3	453.4	453.4
75°	398.4	393.2	387.9	380.1	380.1
77.5°	322.4	317.2	311.9	309.3	304.0
80°	251.6	249.0	246.4	238.5	235.9
82.5°	180.9	178.2	175.6	173.0	170.4
85°	115.3	112.7	112.7	107.5	107.5
87.5°	49.8	52.4	47.2	49.8	47.2
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)