

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: P568535

Luminaire Tested: **24CGTX-65-L835**

Issue Date: 9/19/2022

**Test Information**

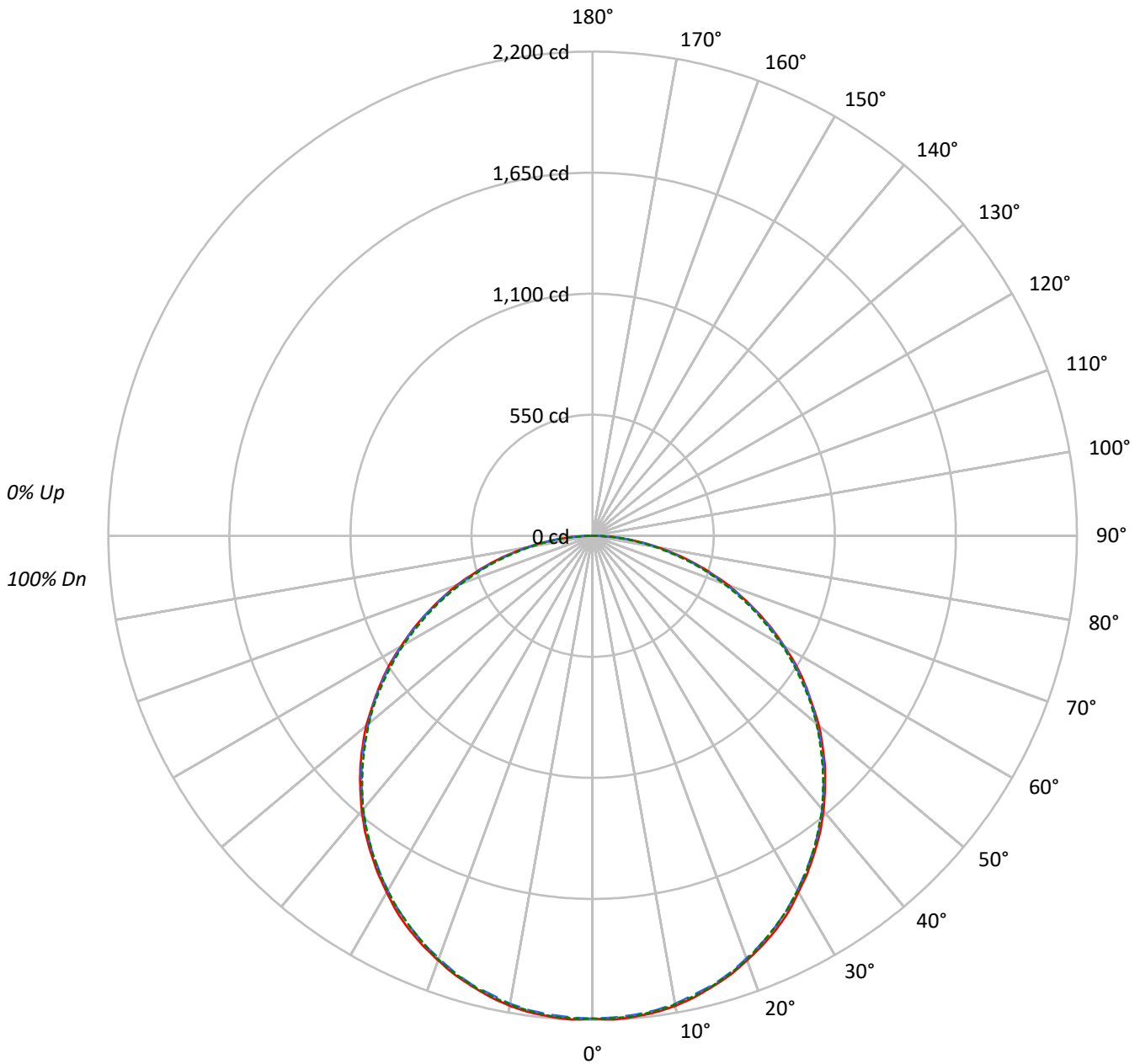
Test Method: LM-79-08  
Report Number: P568535  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-65-L835  
Description: 2X4 6500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6447.0 lumens  
Efficiency: N/A  
Efficacy: 120.7 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): 53.4  
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: P568535  
CATALOG NUMBER: 24CGTX-65-L835

### Luminous Intensity Polar Plot





TEST NUMBER: P568535

CATALOG NUMBER: 24CGTX-65-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°	2952	2952	2952
5°	2963	2951	2959
10°	2963	2950	2955
15°	2951	2942	2947
20°	2939	2925	2934
25°	2931	2912	2912
30°	2906	2891	2891
35°	2886	2871	2871
40°	2865	2849	2849
45°	2841	2823	2811
50°	2810	2783	2776
55°	2765	2750	2728
60°	2707	2698	2673
65°	2642	2632	2592
70°	2584	2535	2485
75°	2484	2418	2370
80°	2338	2290	2192
85°	2135	2087	1990



TEST NUMBER: P568535  
 CATALOG NUMBER: 24CGTX-65-L835

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	207.9	3.2
10°-20°	596.1	9.2
20°-30°	904.6	14.0
30°-40°	1094.6	17.0
40°-50°	1143.5	17.7
50°-60°	1046.0	16.2
60°-70°	814.1	12.6
70°-80°	490.7	7.6
80°-90°	149.6	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°	1708.6	26.5
0°-40°	2803.2	43.5
0°-60°	4992.7	77.4
0°-90°	6447.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6447.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2194	2194	2194	2194	2194	
5°	2194	2188	2185	2185	2191	209
15°	2118	2112	2112	2109	2115	598
25°	1974	1964	1961	1958	1961	909
35°	1757	1751	1748	1748	1748	1100
45°	1493	1484	1484	1477	1477	1151
55°	1179	1176	1172	1163	1163	1053
65°	830	830	827	814	814	823
75°	478	472	465	456	456	503
85°	138	135	135	129	129	154
90°	0	0	0	0	0	



TEST NUMBER: P568535

CATALOG NUMBER: 24CGTX-65-L835

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2194.0	2194.0	2194.0	2194.0	2194.0
2.5°	2200.3	2194.0	2190.8	2190.8	2194.0
5°	2194.0	2187.7	2184.6	2184.6	2190.8
7.5°	2184.6	2175.1	2175.1	2172.0	2178.3
10°	2168.8	2159.4	2159.4	2156.3	2162.6
12.5°	2146.8	2137.4	2134.3	2134.3	2140.6
15°	2118.5	2112.3	2112.3	2109.1	2115.4
17.5°	2090.3	2080.8	2080.8	2077.7	2084.0
20°	2052.5	2046.3	2043.1	2043.1	2049.4
22.5°	2014.8	2008.5	2005.4	2005.4	2005.4
25°	1974.0	1964.5	1961.4	1958.2	1961.4
27.5°	1926.8	1914.2	1914.2	1911.1	1914.2
30°	1870.2	1863.9	1860.8	1857.7	1860.8
32.5°	1816.8	1807.4	1804.2	1807.4	1807.4
35°	1757.1	1750.8	1747.6	1747.6	1747.6
37.5°	1697.4	1687.9	1687.9	1684.8	1684.8
40°	1631.3	1625.1	1621.9	1621.9	1621.9
42.5°	1562.2	1555.9	1552.8	1549.6	1549.6
45°	1493.0	1483.6	1483.6	1477.3	1477.3
47.5°	1417.6	1411.3	1408.2	1401.9	1401.9
50°	1342.2	1335.9	1329.6	1329.6	1326.4
52.5°	1257.3	1257.3	1254.2	1247.9	1247.9
55°	1178.7	1175.6	1172.4	1163.0	1163.0
57.5°	1097.0	1093.8	1087.6	1078.1	1078.1
60°	1005.8	1005.8	1002.7	990.1	993.3
62.5°	921.0	917.8	914.7	905.3	902.1
65°	829.8	829.8	826.7	814.1	814.1
67.5°	741.8	741.8	735.5	722.9	722.9
70°	656.9	647.5	644.4	634.9	631.8
72.5°	562.6	559.5	553.2	543.8	543.8
75°	477.8	471.5	465.2	455.8	455.8
77.5°	386.6	380.3	374.0	370.9	364.6
80°	301.8	298.6	295.5	286.0	282.9
82.5°	216.9	213.7	210.6	207.5	204.3
85°	138.3	135.2	135.2	128.9	128.9
87.5°	59.7	62.9	56.6	59.7	56.6
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)