

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: P568449

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

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568449
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-65HE-L835
Description: 2X4 6500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

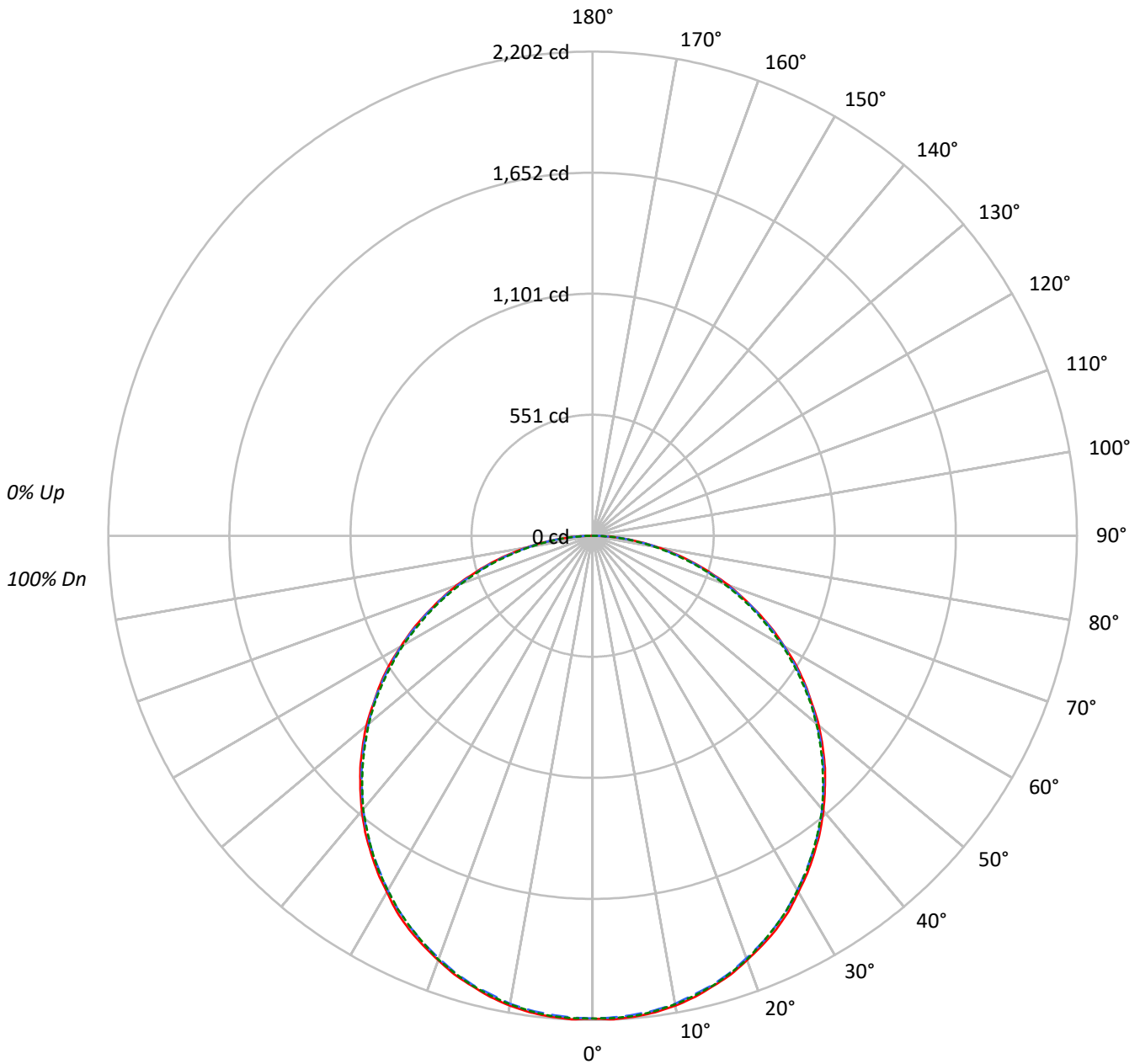
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6451.0 lumens
Efficiency: N/A
Efficacy: 123.3 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): 52.3
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: P568449
CATALOG NUMBER: 24CGTX-65HE-L835

Luminous Intensity Polar Plot





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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°	2954	2954	2954
5°	2965	2952	2961
10°	2965	2952	2956
15°	2953	2944	2948
20°	2941	2927	2936
25°	2932	2914	2914
30°	2907	2893	2893
35°	2888	2872	2872
40°	2867	2850	2850
45°	2843	2825	2813
50°	2811	2785	2778
55°	2767	2752	2730
60°	2708	2700	2675
65°	2643	2634	2593
70°	2586	2537	2487
75°	2485	2420	2371
80°	2339	2290	2194
85°	2137	2087	1991



TEST NUMBER: P568449

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.0	3.2
10°-20°	596.5	9.2
20°-30°	905.2	14.0
30°-40°	1095.3	17.0
40°-50°	1144.2	17.7
50°-60°	1046.6	16.2
60°-70°	814.6	12.6
70°-80°	491.0	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°	1709.7	26.5
0°-40°	2805.0	43.5
0°-60°	4995.7	77.4
0°-90°	6451.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6451.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2195	2195	2195	2195	2195	
5°	2195	2189	2186	2186	2192	209
15°	2120	2114	2114	2110	2117	599
25°	1975	1966	1963	1960	1963	910
35°	1758	1752	1749	1749	1749	1101
45°	1494	1484	1484	1478	1478	1152
55°	1179	1176	1173	1164	1164	1054
65°	830	830	827	815	815	823
75°	478	472	466	456	456	503
85°	138	135	135	129	129	154
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2195.3	2195.3	2195.3	2195.3	2195.3
2.5°	2201.6	2195.3	2192.2	2192.2	2195.3
5°	2195.3	2189.1	2185.9	2185.9	2192.2
7.5°	2185.9	2176.5	2176.5	2173.3	2179.6
10°	2170.2	2160.7	2160.7	2157.6	2163.9
12.5°	2148.2	2138.7	2135.6	2135.6	2141.9
15°	2119.9	2113.6	2113.6	2110.4	2116.7
17.5°	2091.6	2082.1	2082.1	2079.0	2085.3
20°	2053.8	2047.5	2044.4	2044.4	2050.7
22.5°	2016.1	2009.8	2006.6	2006.6	2006.6
25°	1975.2	1965.7	1962.6	1959.5	1962.6
27.5°	1928.0	1915.4	1915.4	1912.3	1915.4
30°	1871.4	1865.1	1862.0	1858.8	1862.0
32.5°	1817.9	1808.5	1805.3	1808.5	1808.5
35°	1758.2	1751.9	1748.7	1748.7	1748.7
37.5°	1698.4	1689.0	1689.0	1685.8	1685.8
40°	1632.4	1626.1	1622.9	1622.9	1622.9
42.5°	1563.2	1556.9	1553.7	1550.6	1550.6
45°	1494.0	1484.5	1484.5	1478.2	1478.2
47.5°	1418.5	1412.2	1409.0	1402.8	1402.8
50°	1343.0	1336.7	1330.4	1330.4	1327.3
52.5°	1258.1	1258.1	1254.9	1248.6	1248.6
55°	1179.4	1176.3	1173.2	1163.7	1163.7
57.5°	1097.7	1094.5	1088.2	1078.8	1078.8
60°	1006.5	1006.5	1003.3	990.7	993.9
62.5°	921.5	918.4	915.3	905.8	902.7
65°	830.3	830.3	827.2	814.6	814.6
67.5°	742.3	742.3	736.0	723.4	723.4
70°	657.3	647.9	644.8	635.3	632.2
72.5°	563.0	559.8	553.6	544.1	544.1
75°	478.1	471.8	465.5	456.1	456.1
77.5°	386.9	380.6	374.3	371.1	364.8
80°	301.9	298.8	295.6	286.2	283.1
82.5°	217.0	213.9	210.7	207.6	204.4
85°	138.4	135.2	135.2	129.0	129.0
87.5°	59.8	62.9	56.6	59.8	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)