

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: P568460

Luminaire Tested: **24CGTX-65HE-L935**

Issue Date: 9/19/2022

**Test Information**

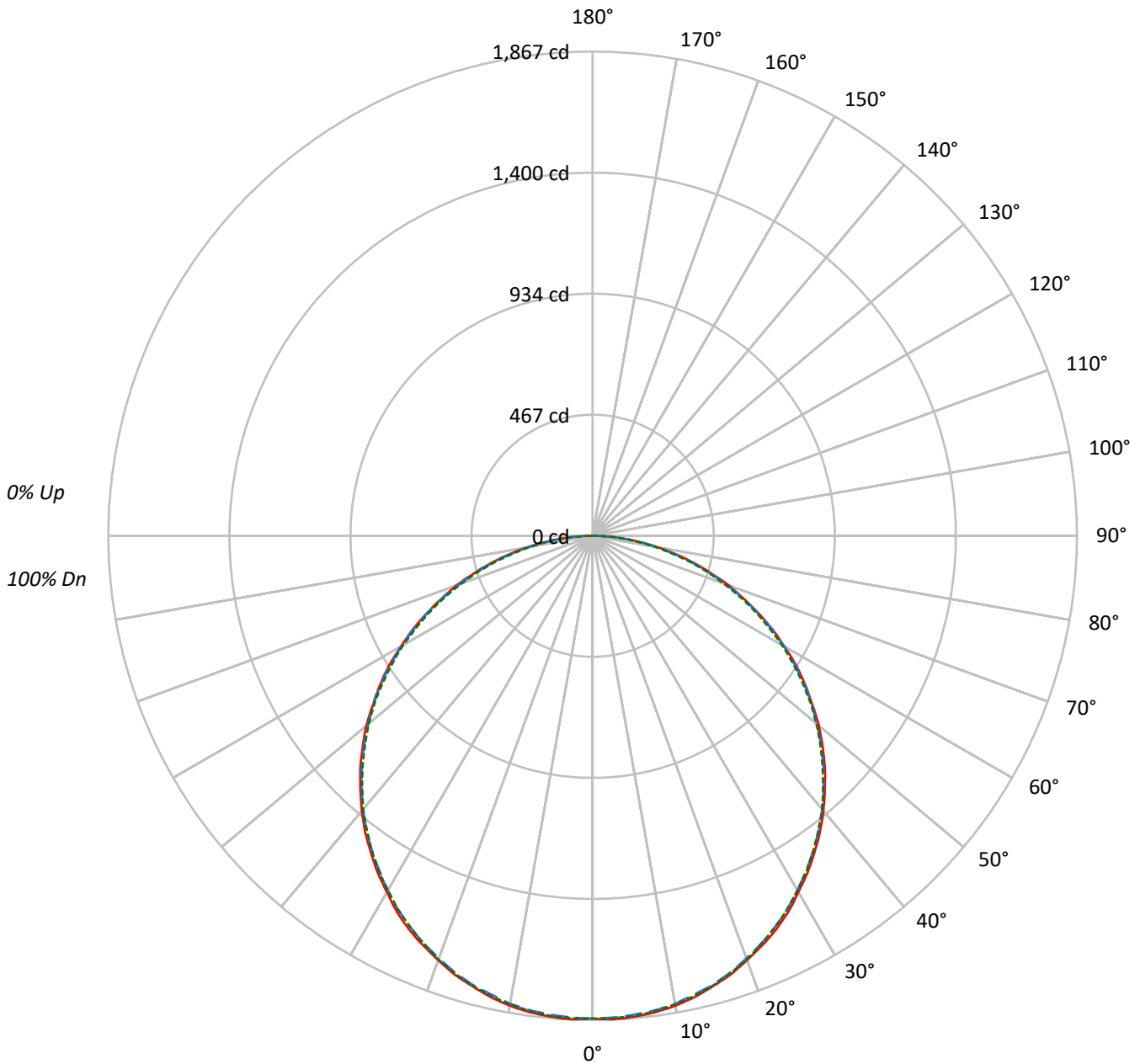
Test Method: LM-79-08  
Report Number: P568460  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-65HE-L935  
Description: 2X4 6500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 90CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5470.0 lumens  
Efficiency: N/A  
Efficacy: 104.6 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<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

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### 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°	2505	2505	2505
5°	2514	2503	2511
10°	2514	2503	2507
15°	2504	2496	2500
20°	2494	2482	2490
25°	2486	2471	2471
30°	2465	2453	2453
35°	2449	2436	2436
40°	2431	2417	2417
45°	2410	2395	2385
50°	2384	2361	2356
55°	2346	2334	2315
60°	2296	2289	2268
65°	2242	2233	2199
70°	2193	2151	2109
75°	2108	2052	2010
80°	1984	1943	1860
85°	1811	1771	1687



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	176.4	3.2
10°-20°	505.8	9.2
20°-30°	767.5	14.0
30°-40°	928.7	17.0
40°-50°	970.2	17.7
50°-60°	887.5	16.2
60°-70°	690.8	12.6
70°-80°	416.3	7.6
80°-90°	126.9	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°	1449.7	26.5
0°-40°	2378.4	43.5
0°-60°	4236.1	77.4
0°-90°	5470.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5470.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1862	1862	1862	1862	1862	
5°	1862	1856	1854	1854	1859	177
15°	1798	1792	1792	1790	1795	508
25°	1675	1667	1664	1662	1664	771
35°	1491	1486	1483	1483	1483	933
45°	1267	1259	1259	1253	1253	976
55°	1000	997	995	987	987	893
65°	704	704	701	691	691	698
75°	405	400	395	387	387	427
85°	117	115	115	109	109	131
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1861.5	1861.5	1861.5	1861.5	1861.5
2.5°	1866.8	1861.5	1858.8	1858.8	1861.5
5°	1861.5	1856.2	1853.5	1853.5	1858.8
7.5°	1853.5	1845.5	1845.5	1842.8	1848.2
10°	1840.2	1832.2	1832.2	1829.5	1834.8
12.5°	1821.5	1813.5	1810.8	1810.8	1816.2
15°	1797.5	1792.2	1792.2	1789.5	1794.8
17.5°	1773.5	1765.5	1765.5	1762.8	1768.2
20°	1741.5	1736.2	1733.5	1733.5	1738.8
22.5°	1709.5	1704.2	1701.5	1701.5	1701.5
25°	1674.8	1666.8	1664.2	1661.5	1664.2
27.5°	1634.8	1624.1	1624.1	1621.5	1624.1
30°	1586.8	1581.5	1578.8	1576.1	1578.8
32.5°	1541.5	1533.5	1530.8	1533.5	1533.5
35°	1490.8	1485.5	1482.8	1482.8	1482.8
37.5°	1440.1	1432.1	1432.1	1429.5	1429.5
40°	1384.1	1378.8	1376.1	1376.1	1376.1
42.5°	1325.5	1320.1	1317.5	1314.8	1314.8
45°	1266.8	1258.8	1258.8	1253.4	1253.4
47.5°	1202.8	1197.4	1194.8	1189.4	1189.4
50°	1138.8	1133.4	1128.1	1128.1	1125.4
52.5°	1066.8	1066.8	1064.1	1058.8	1058.8
55°	1000.1	997.4	994.8	986.8	986.8
57.5°	930.8	928.1	922.8	914.7	914.7
60°	853.4	853.4	850.7	840.1	842.7
62.5°	781.4	778.7	776.1	768.1	765.4
65°	704.1	704.1	701.4	690.7	690.7
67.5°	629.4	629.4	624.1	613.4	613.4
70°	557.4	549.4	546.7	538.7	536.0
72.5°	477.4	474.7	469.4	461.4	461.4
75°	405.4	400.0	394.7	386.7	386.7
77.5°	328.0	322.7	317.4	314.7	309.4
80°	256.0	253.4	250.7	242.7	240.0
82.5°	184.0	181.3	178.7	176.0	173.3
85°	117.3	114.7	114.7	109.3	109.3
87.5°	50.7	53.3	48.0	50.7	48.0
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)