

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: P568482

Luminaire Tested: **24CGTX-65HE-L940**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568482
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-L940
Description: 2X4 6500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

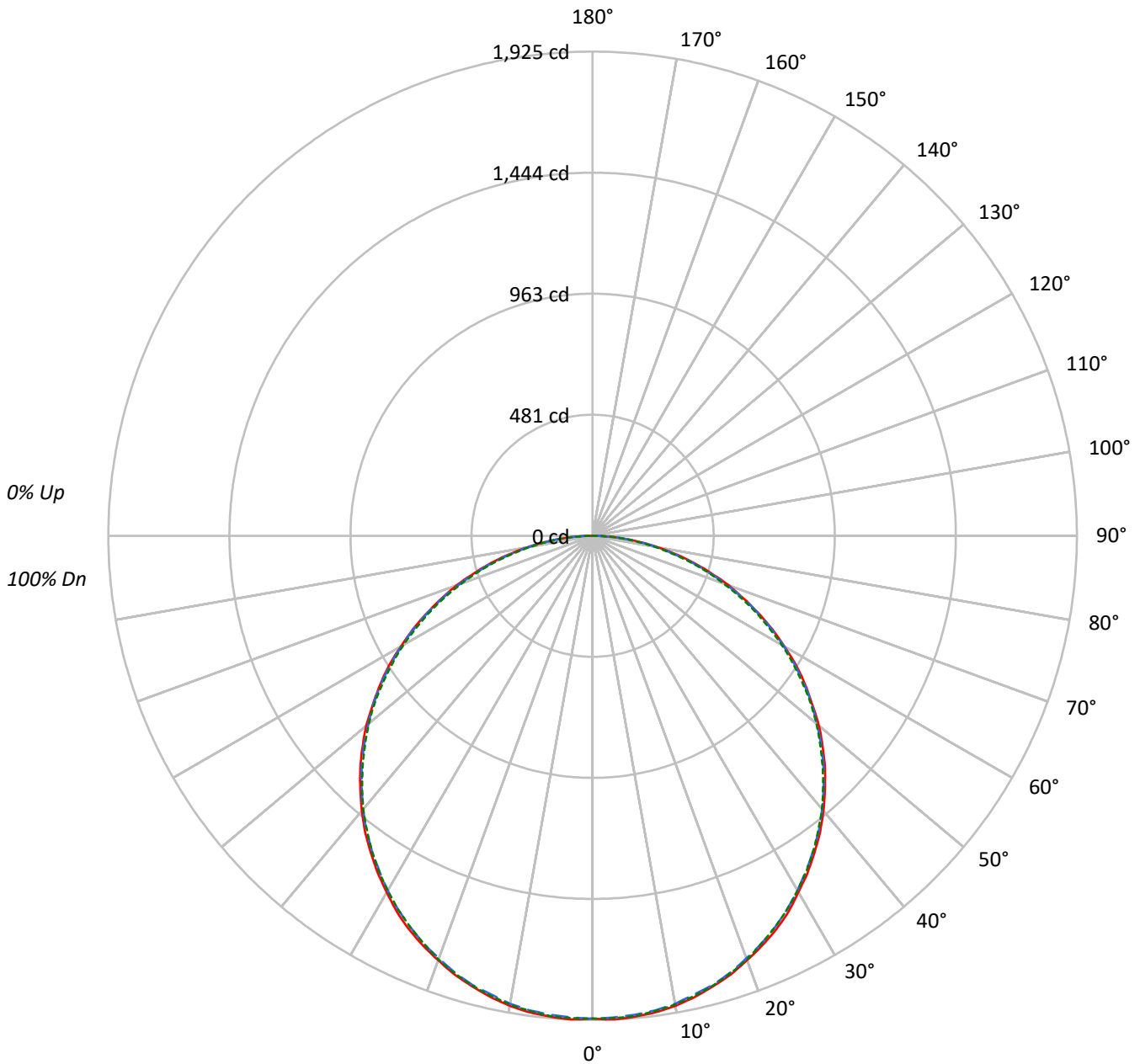
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5641.0 lumens
Efficiency: N/A
Efficacy: 107.9 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

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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					70					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	23								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2583	2583	2583
5°	2593	2582	2589
10°	2593	2581	2585
15°	2582	2574	2578
20°	2571	2560	2568
25°	2564	2548	2548
30°	2542	2530	2530
35°	2525	2512	2512
40°	2507	2493	2493
45°	2486	2470	2460
50°	2458	2435	2429
55°	2419	2407	2387
60°	2368	2361	2339
65°	2312	2303	2268
70°	2261	2218	2175
75°	2173	2116	2073
80°	2046	2003	1918
85°	1868	1826	1741



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.9	3.2
10°-20°	521.6	9.2
20°-30°	791.5	14.0
30°-40°	957.7	17.0
40°-50°	1000.5	17.7
50°-60°	915.2	16.2
60°-70°	712.3	12.6
70°-80°	429.3	7.6
80°-90°	130.9	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°	1495.0	26.5
0°-40°	2452.8	43.5
0°-60°	4368.5	77.4
0°-90°	5641.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5641.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1920	1920	1920	1920	1920	
5°	1920	1914	1911	1911	1917	183
15°	1854	1848	1848	1845	1851	524
25°	1727	1719	1716	1713	1716	795
35°	1537	1532	1529	1529	1529	962
45°	1306	1298	1298	1293	1293	1007
55°	1031	1029	1026	1018	1018	921
65°	726	726	723	712	712	720
75°	418	412	407	399	399	440
85°	121	118	118	113	113	135
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1919.7	1919.7	1919.7	1919.7	1919.7
2.5°	1925.2	1919.7	1916.9	1916.9	1919.7
5°	1919.7	1914.2	1911.4	1911.4	1916.9
7.5°	1911.4	1903.2	1903.2	1900.4	1905.9
10°	1897.7	1889.4	1889.4	1886.7	1892.2
12.5°	1878.4	1870.2	1867.4	1867.4	1872.9
15°	1853.7	1848.2	1848.2	1845.4	1850.9
17.5°	1828.9	1820.7	1820.7	1817.9	1823.4
20°	1795.9	1790.4	1787.7	1787.7	1793.2
22.5°	1762.9	1757.4	1754.7	1754.7	1754.7
25°	1727.2	1718.9	1716.2	1713.4	1716.2
27.5°	1685.9	1674.9	1674.9	1672.2	1674.9
30°	1636.4	1630.9	1628.2	1625.4	1628.2
32.5°	1589.7	1581.4	1578.7	1581.4	1581.4
35°	1537.4	1531.9	1529.2	1529.2	1529.2
37.5°	1485.2	1476.9	1476.9	1474.1	1474.1
40°	1427.4	1421.9	1419.1	1419.1	1419.1
42.5°	1366.9	1361.4	1358.6	1355.9	1355.9
45°	1306.4	1298.1	1298.1	1292.6	1292.6
47.5°	1240.4	1234.9	1232.1	1226.6	1226.6
50°	1174.4	1168.9	1163.4	1163.4	1160.6
52.5°	1100.1	1100.1	1097.4	1091.9	1091.9
55°	1031.4	1028.6	1025.9	1017.6	1017.6
57.5°	959.8	957.1	951.6	943.3	943.3
60°	880.1	880.1	877.3	866.3	869.1
62.5°	805.8	803.1	800.3	792.1	789.3
65°	726.1	726.1	723.3	712.3	712.3
67.5°	649.1	649.1	643.6	632.6	632.6
70°	574.8	566.6	563.8	555.6	552.8
72.5°	492.3	489.5	484.0	475.8	475.8
75°	418.0	412.5	407.0	398.8	398.8
77.5°	338.3	332.8	327.3	324.5	319.0
80°	264.0	261.3	258.5	250.3	247.5
82.5°	189.8	187.0	184.3	181.5	178.8
85°	121.0	118.3	118.3	112.8	112.8
87.5°	52.3	55.0	49.5	52.3	49.5
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)