

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: P568504

Luminaire Tested: **24CGTX-65HE-L950**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568504
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-L950
Description: 2X4 6500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

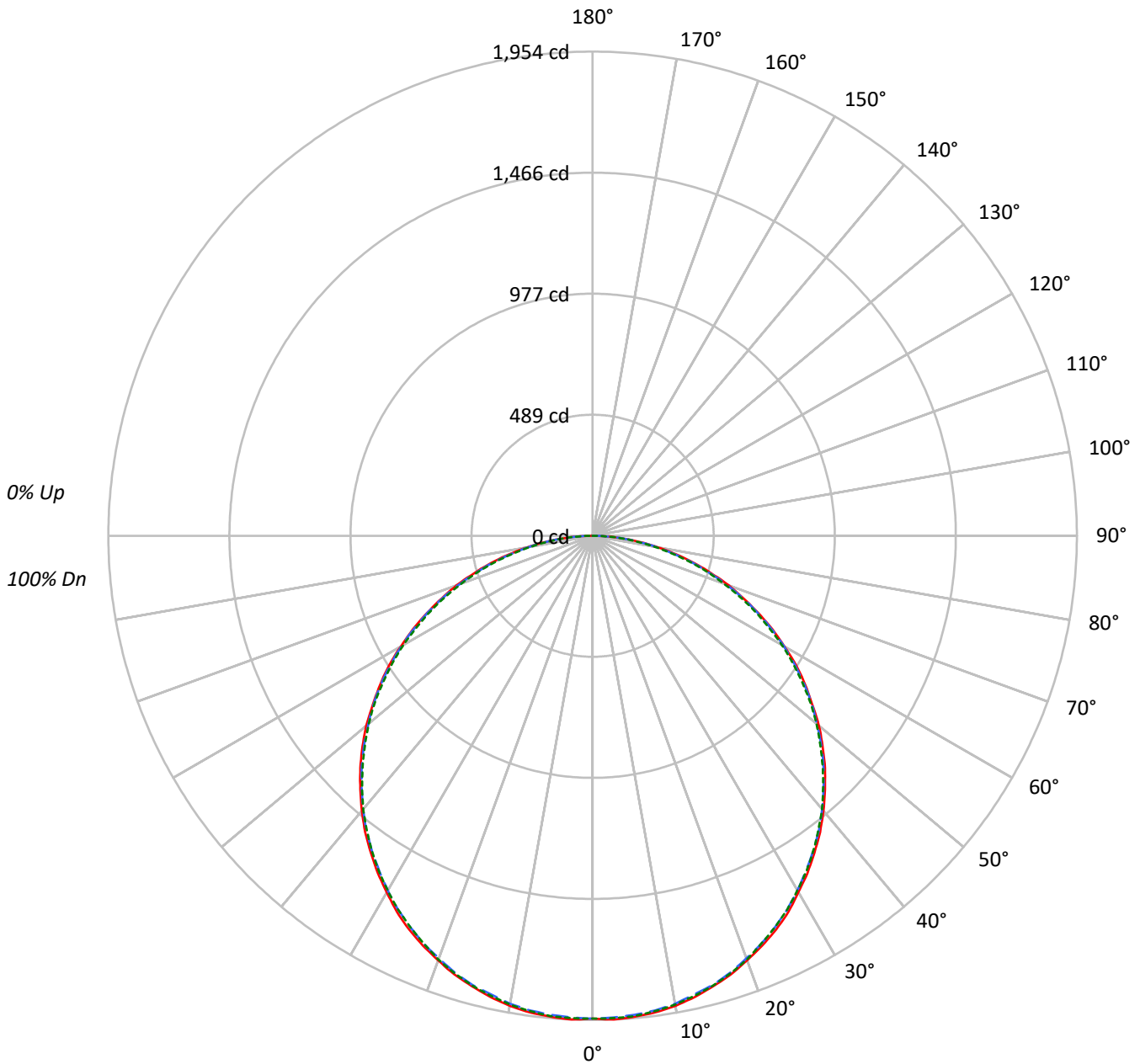
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5726.0 lumens
Efficiency: N/A
Efficacy: 109.5 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									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°	2622	2622	2622
5°	2632	2620	2628
10°	2632	2620	2624
15°	2621	2613	2617
20°	2610	2598	2606
25°	2603	2586	2586
30°	2581	2568	2568
35°	2563	2550	2550
40°	2545	2530	2530
45°	2523	2507	2497
50°	2495	2472	2466
55°	2456	2443	2423
60°	2404	2397	2374
65°	2346	2337	2302
70°	2295	2251	2207
75°	2206	2148	2104
80°	2077	2033	1947
85°	1896	1853	1768



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.7	3.2
10°-20°	529.4	9.2
20°-30°	803.5	14.0
30°-40°	972.2	17.0
40°-50°	1015.6	17.7
50°-60°	929.0	16.2
60°-70°	723.1	12.6
70°-80°	435.8	7.6
80°-90°	132.8	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°	1517.6	26.5
0°-40°	2489.7	43.5
0°-60°	4434.3	77.4
0°-90°	5726.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5726.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1949	1949	1949	1949	1949	
5°	1949	1943	1940	1940	1946	185
15°	1882	1876	1876	1873	1879	531
25°	1753	1745	1742	1739	1742	807
35°	1561	1555	1552	1552	1552	977
45°	1326	1318	1318	1312	1312	1022
55°	1047	1044	1041	1033	1033	935
65°	737	737	734	723	723	731
75°	424	419	413	405	405	447
85°	123	120	120	114	114	137
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1948.6	1948.6	1948.6	1948.6	1948.6
2.5°	1954.2	1948.6	1945.8	1945.8	1948.6
5°	1948.6	1943.0	1940.2	1940.2	1945.8
7.5°	1940.2	1931.9	1931.9	1929.1	1934.7
10°	1926.3	1917.9	1917.9	1915.1	1920.7
12.5°	1906.7	1898.4	1895.6	1895.6	1901.2
15°	1881.6	1876.0	1876.0	1873.2	1878.8
17.5°	1856.5	1848.1	1848.1	1845.3	1850.9
20°	1823.0	1817.4	1814.6	1814.6	1820.2
22.5°	1789.5	1783.9	1781.1	1781.1	1781.1
25°	1753.2	1744.8	1742.0	1739.2	1742.0
27.5°	1711.3	1700.2	1700.2	1697.4	1700.2
30°	1661.1	1655.5	1652.7	1649.9	1652.7
32.5°	1613.6	1605.2	1602.4	1605.2	1605.2
35°	1560.6	1555.0	1552.2	1552.2	1552.2
37.5°	1507.5	1499.2	1499.2	1496.4	1496.4
40°	1448.9	1443.3	1440.5	1440.5	1440.5
42.5°	1387.5	1381.9	1379.1	1376.3	1376.3
45°	1326.1	1317.7	1317.7	1312.1	1312.1
47.5°	1259.1	1253.5	1250.7	1245.1	1245.1
50°	1192.1	1186.5	1180.9	1180.9	1178.1
52.5°	1116.7	1116.7	1113.9	1108.3	1108.3
55°	1046.9	1044.1	1041.3	1032.9	1032.9
57.5°	974.3	971.5	965.9	957.6	957.6
60°	893.4	893.4	890.6	879.4	882.2
62.5°	818.0	815.2	812.4	804.0	801.2
65°	737.0	737.0	734.2	723.1	723.1
67.5°	658.8	658.8	653.3	642.1	642.1
70°	583.5	575.1	572.3	563.9	561.1
72.5°	499.7	496.9	491.3	483.0	483.0
75°	424.3	418.8	413.2	404.8	404.8
77.5°	343.4	337.8	332.2	329.4	323.8
80°	268.0	265.2	262.4	254.0	251.3
82.5°	192.6	189.8	187.0	184.3	181.5
85°	122.8	120.0	120.0	114.5	114.5
87.5°	53.0	55.8	50.3	53.0	50.3
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)