

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: P568438

Luminaire Tested: **24CGTX-65HE-L930**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568438
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-L930
Description: 2X4 6500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

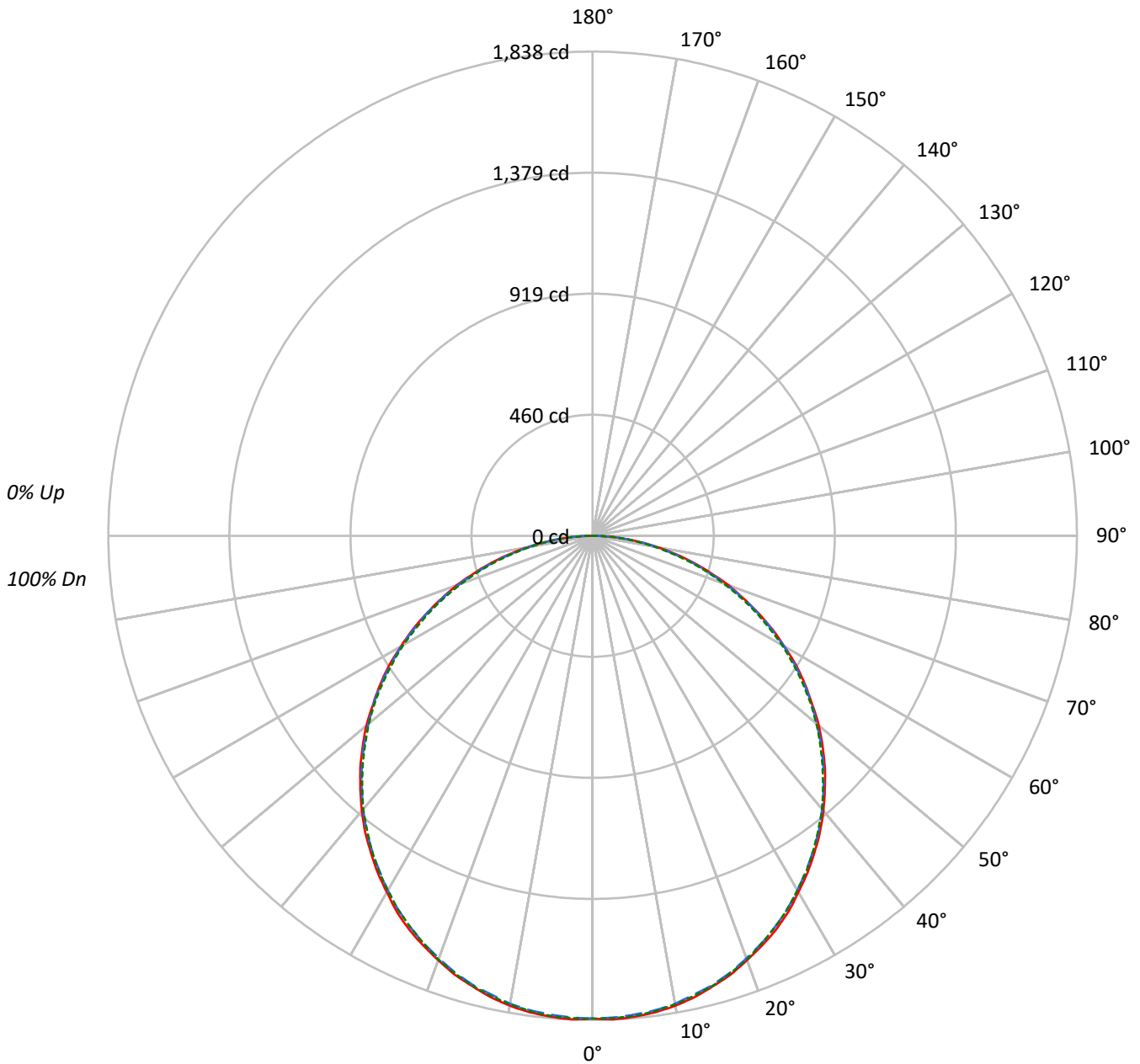
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5385.0 lumens
Efficiency: N/A
Efficacy: 103.0 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: P568438
CATALOG NUMBER: 24CGTX-65HE-L930

Luminous Intensity Polar Plot





TEST NUMBER: P568438

CATALOG NUMBER: 24CGTX-65HE-L930

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					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	24								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2466	2466	2466
5°	2475	2464	2472
10°	2475	2464	2468
15°	2465	2458	2461
20°	2455	2444	2451
25°	2448	2432	2432
30°	2427	2415	2415
35°	2411	2398	2398
40°	2393	2379	2379
45°	2373	2358	2348
50°	2347	2325	2319
55°	2309	2297	2279
60°	2261	2254	2232
65°	2207	2198	2165
70°	2159	2117	2076
75°	2075	2020	1979
80°	1953	1912	1831
85°	1783	1743	1661



TEST NUMBER: P568438

CATALOG NUMBER: 24CGTX-65HE-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.7	3.2
10°-20°	497.9	9.2
20°-30°	755.6	14.0
30°-40°	914.3	17.0
40°-50°	955.1	17.7
50°-60°	873.7	16.2
60°-70°	680.0	12.6
70°-80°	409.8	7.6
80°-90°	124.9	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°	1427.2	26.5
0°-40°	2341.5	43.5
0°-60°	4170.2	77.4
0°-90°	5385.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5385.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1833	1833	1833	1833	1833	
5°	1833	1827	1825	1825	1830	174
15°	1770	1764	1764	1762	1767	500
25°	1649	1641	1638	1636	1638	759
35°	1468	1462	1460	1460	1460	919
45°	1247	1239	1239	1234	1234	961
55°	984	982	979	971	971	879
65°	693	693	690	680	680	687
75°	399	394	389	381	381	420
85°	116	113	113	108	108	129
90°	0	0	0	0	0	



TEST NUMBER: P568438

CATALOG NUMBER: 24CGTX-65HE-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1832.6	1832.6	1832.6	1832.6	1832.6
2.5°	1837.8	1832.6	1829.9	1829.9	1832.6
5°	1832.6	1827.3	1824.7	1824.7	1829.9
7.5°	1824.7	1816.8	1816.8	1814.2	1819.4
10°	1811.6	1803.7	1803.7	1801.1	1806.3
12.5°	1793.2	1785.3	1782.7	1782.7	1787.9
15°	1769.6	1764.3	1764.3	1761.7	1766.9
17.5°	1745.9	1738.1	1738.1	1735.4	1740.7
20°	1714.4	1709.2	1706.6	1706.6	1711.8
22.5°	1682.9	1677.7	1675.0	1675.0	1675.0
25°	1648.8	1640.9	1638.3	1635.7	1638.3
27.5°	1609.4	1598.9	1598.9	1596.3	1598.9
30°	1562.2	1556.9	1554.3	1551.7	1554.3
32.5°	1517.5	1509.6	1507.0	1509.6	1509.6
35°	1467.6	1462.4	1459.8	1459.8	1459.8
37.5°	1417.8	1409.9	1409.9	1407.2	1407.2
40°	1362.6	1357.4	1354.7	1354.7	1354.7
42.5°	1304.9	1299.6	1297.0	1294.4	1294.4
45°	1247.1	1239.2	1239.2	1234.0	1234.0
47.5°	1184.1	1178.8	1176.2	1171.0	1171.0
50°	1121.1	1115.8	1110.6	1110.6	1107.9
52.5°	1050.2	1050.2	1047.6	1042.3	1042.3
55°	984.5	981.9	979.3	971.4	971.4
57.5°	916.3	913.7	908.4	900.5	900.5
60°	840.1	840.1	837.5	827.0	829.6
62.5°	769.3	766.6	764.0	756.1	753.5
65°	693.1	693.1	690.5	680.0	680.0
67.5°	619.6	619.6	614.4	603.9	603.9
70°	548.7	540.8	538.2	530.3	527.7
72.5°	470.0	467.3	462.1	454.2	454.2
75°	399.1	393.8	388.6	380.7	380.7
77.5°	322.9	317.7	312.4	309.8	304.6
80°	252.0	249.4	246.8	238.9	236.3
82.5°	181.2	178.5	175.9	173.3	170.7
85°	115.5	112.9	112.9	107.6	107.6
87.5°	49.9	52.5	47.3	49.9	47.3
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)