

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: P568437

Luminaire Tested: **24CGTX-55HE-L930**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568437
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-55HE-L930
Description: 2X4 5500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

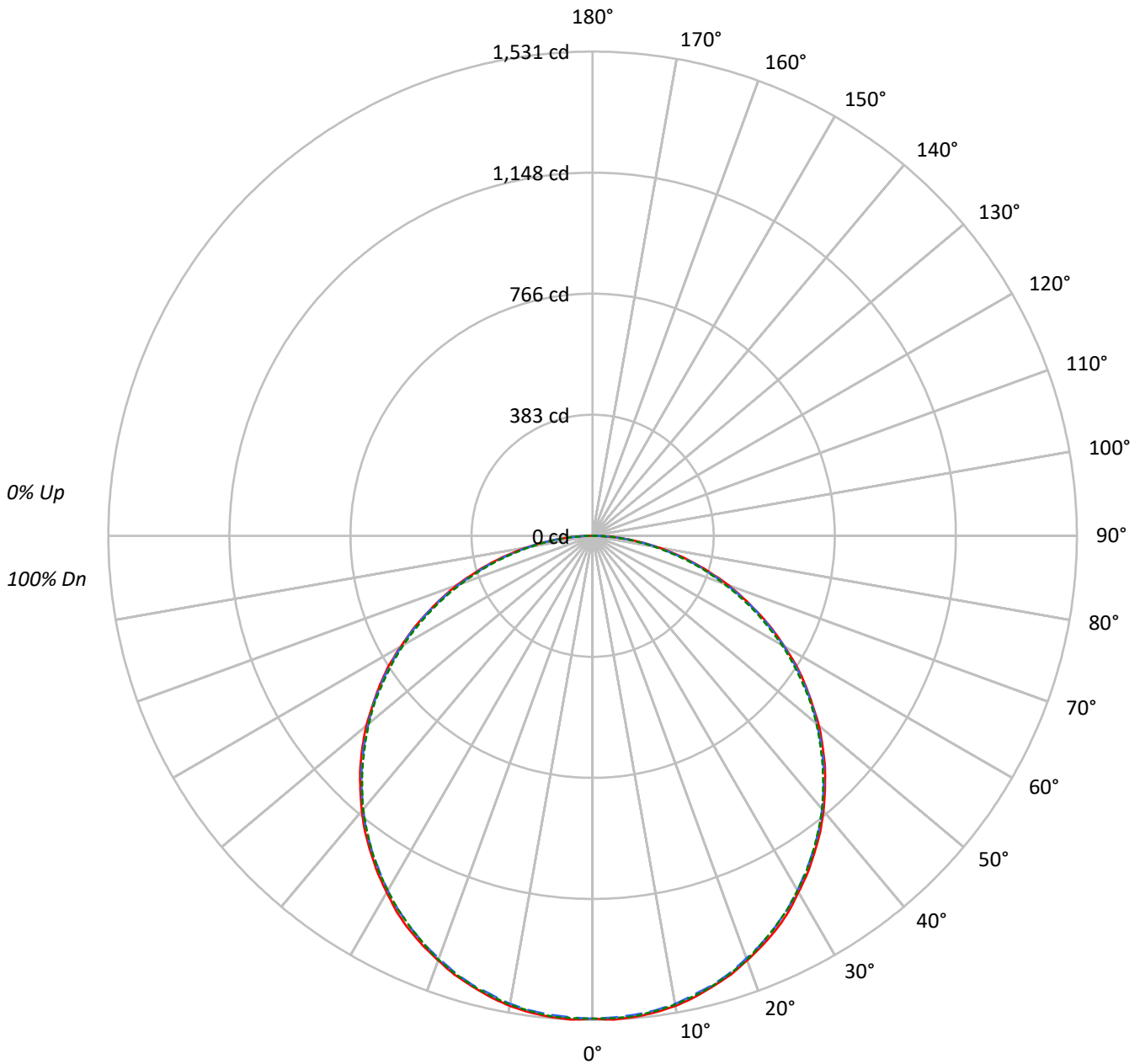
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4487.0 lumens
Efficiency: N/A
Efficacy: 101.3 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): 44.3
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: P568437
CATALOG NUMBER: 24CGTX-55HE-L930

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	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2055	2055	2055
5°	2062	2053	2059
10°	2062	2053	2056
15°	2054	2048	2051
20°	2045	2036	2042
25°	2040	2027	2027
30°	2022	2012	2012
35°	2009	1998	1998
40°	1994	1983	1983
45°	1977	1965	1956
50°	1955	1937	1932
55°	1924	1914	1899
60°	1884	1878	1860
65°	1839	1832	1804
70°	1799	1764	1730
75°	1729	1683	1649
80°	1627	1593	1526
85°	1487	1453	1385



TEST NUMBER: P568437

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.7	3.2
10°-20°	414.9	9.2
20°-30°	629.6	14.0
30°-40°	761.8	17.0
40°-50°	795.8	17.7
50°-60°	728.0	16.2
60°-70°	566.6	12.6
70°-80°	341.5	7.6
80°-90°	104.1	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°	1189.2	26.5
0°-40°	1951.0	43.5
0°-60°	3474.8	77.4
0°-90°	4487.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4487.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1527	1527	1527	1527	1527	
5°	1527	1523	1520	1520	1525	145
15°	1474	1470	1470	1468	1472	416
25°	1374	1367	1365	1363	1365	633
35°	1223	1218	1216	1216	1216	765
45°	1039	1033	1033	1028	1028	801
55°	820	818	816	809	809	733
65°	578	578	575	567	567	573
75°	332	328	324	317	317	350
85°	96	94	94	90	90	107
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1527.0	1527.0	1527.0	1527.0	1527.0
2.5°	1531.4	1527.0	1524.8	1524.8	1527.0
5°	1527.0	1522.6	1520.4	1520.4	1524.8
7.5°	1520.4	1513.9	1513.9	1511.7	1516.0
10°	1509.5	1502.9	1502.9	1500.7	1505.1
12.5°	1494.2	1487.6	1485.4	1485.4	1489.8
15°	1474.5	1470.1	1470.1	1467.9	1472.3
17.5°	1454.8	1448.2	1448.2	1446.0	1450.4
20°	1428.5	1424.2	1422.0	1422.0	1426.3
22.5°	1402.3	1397.9	1395.7	1395.7	1395.7
25°	1373.8	1367.3	1365.1	1362.9	1365.1
27.5°	1341.0	1332.3	1332.3	1330.1	1332.3
30°	1301.6	1297.3	1295.1	1292.9	1295.1
32.5°	1264.5	1257.9	1255.7	1257.9	1257.9
35°	1222.9	1218.5	1216.3	1216.3	1216.3
37.5°	1181.3	1174.8	1174.8	1172.6	1172.6
40°	1135.4	1131.0	1128.8	1128.8	1128.8
42.5°	1087.3	1082.9	1080.7	1078.5	1078.5
45°	1039.1	1032.6	1032.6	1028.2	1028.2
47.5°	986.6	982.3	980.1	975.7	975.7
50°	934.1	929.7	925.4	925.4	923.2
52.5°	875.1	875.1	872.9	868.5	868.5
55°	820.4	818.2	816.0	809.4	809.4
57.5°	763.5	761.3	756.9	750.4	750.4
60°	700.0	700.0	697.9	689.1	691.3
62.5°	641.0	638.8	636.6	630.0	627.9
65°	577.5	577.5	575.4	566.6	566.6
67.5°	516.3	516.3	511.9	503.2	503.2
70°	457.2	450.7	448.5	441.9	439.7
72.5°	391.6	389.4	385.0	378.5	378.5
75°	332.5	328.1	323.8	317.2	317.2
77.5°	269.1	264.7	260.3	258.1	253.8
80°	210.0	207.8	205.6	199.1	196.9
82.5°	150.9	148.8	146.6	144.4	142.2
85°	96.3	94.1	94.1	89.7	89.7
87.5°	41.6	43.8	39.4	41.6	39.4
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)