

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: P568564

Luminaire Tested: **24CGTX-55-L940**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568564
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-55-L940
Description: 2X4 5500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

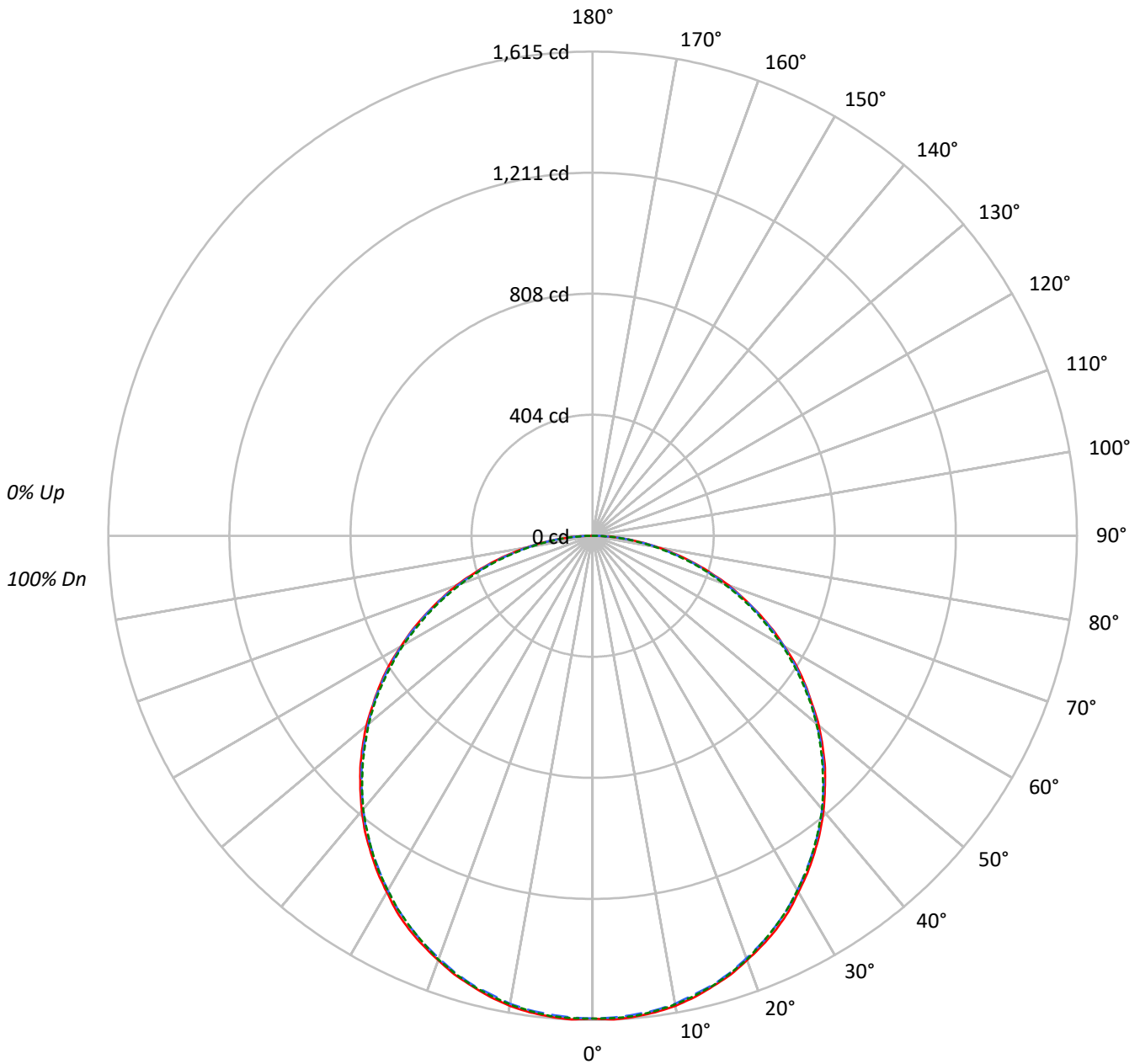
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4732.0 lumens
Efficiency: N/A
Efficacy: 107.3 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): 44.1
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°	2167	2167	2167
5°	2175	2166	2172
10°	2175	2165	2169
15°	2166	2160	2163
20°	2157	2147	2154
25°	2151	2137	2137
30°	2133	2122	2122
35°	2118	2107	2107
40°	2103	2091	2091
45°	2085	2072	2063
50°	2062	2043	2038
55°	2030	2019	2002
60°	1987	1981	1962
65°	1939	1932	1902
70°	1897	1861	1824
75°	1823	1775	1739
80°	1716	1681	1609
85°	1567	1531	1460



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.6	3.2
10°-20°	437.5	9.2
20°-30°	664.0	14.0
30°-40°	803.4	17.0
40°-50°	839.3	17.7
50°-60°	767.7	16.2
60°-70°	597.6	12.6
70°-80°	360.1	7.6
80°-90°	109.8	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°	1254.1	26.5
0°-40°	2057.5	43.5
0°-60°	3664.5	77.4
0°-90°	4732.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4732.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1610	1610	1610	1610	1610	
5°	1610	1606	1603	1603	1608	153
15°	1555	1550	1550	1548	1553	439
25°	1449	1442	1440	1437	1440	667
35°	1290	1285	1283	1283	1283	807
45°	1096	1089	1089	1084	1084	845
55°	865	863	860	854	854	773
65°	609	609	607	598	598	604
75°	351	346	342	334	334	369
85°	102	99	99	95	95	113
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1610.4	1610.4	1610.4	1610.4	1610.4
2.5°	1615.0	1610.4	1608.0	1608.0	1610.4
5°	1610.4	1605.7	1603.4	1603.4	1608.0
7.5°	1603.4	1596.5	1596.5	1594.2	1598.8
10°	1591.9	1585.0	1585.0	1582.7	1587.3
12.5°	1575.7	1568.8	1566.5	1566.5	1571.1
15°	1555.0	1550.4	1550.4	1548.1	1552.7
17.5°	1534.2	1527.3	1527.3	1525.0	1529.6
20°	1506.5	1501.9	1499.6	1499.6	1504.2
22.5°	1478.8	1474.2	1471.9	1471.9	1471.9
25°	1448.9	1441.9	1439.6	1437.3	1439.6
27.5°	1414.2	1405.0	1405.0	1402.7	1405.0
30°	1372.7	1368.1	1365.8	1363.5	1365.8
32.5°	1333.5	1326.6	1324.3	1326.6	1326.6
35°	1289.7	1285.1	1282.7	1282.7	1282.7
37.5°	1245.8	1238.9	1238.9	1236.6	1236.6
40°	1197.4	1192.8	1190.5	1190.5	1190.5
42.5°	1146.6	1142.0	1139.7	1137.4	1137.4
45°	1095.9	1088.9	1088.9	1084.3	1084.3
47.5°	1040.5	1035.9	1033.6	1029.0	1029.0
50°	985.1	980.5	975.9	975.9	973.6
52.5°	922.8	922.8	920.5	915.9	915.9
55°	865.2	862.9	860.5	853.6	853.6
57.5°	805.2	802.9	798.3	791.3	791.3
60°	738.3	738.3	736.0	726.7	729.0
62.5°	676.0	673.7	671.4	664.4	662.1
65°	609.1	609.1	606.8	597.5	597.5
67.5°	544.5	544.5	539.9	530.6	530.6
70°	482.2	475.3	473.0	466.0	463.7
72.5°	413.0	410.7	406.0	399.1	399.1
75°	350.7	346.1	341.5	334.5	334.5
77.5°	283.8	279.2	274.5	272.2	267.6
80°	221.5	219.2	216.9	209.9	207.6
82.5°	159.2	156.9	154.6	152.3	150.0
85°	101.5	99.2	99.2	94.6	94.6
87.5°	43.8	46.1	41.5	43.8	41.5
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)