

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: P568523

Luminaire Tested: **24CGTX-45-L930**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568523
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-45-L930
Description: 2X4 4500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

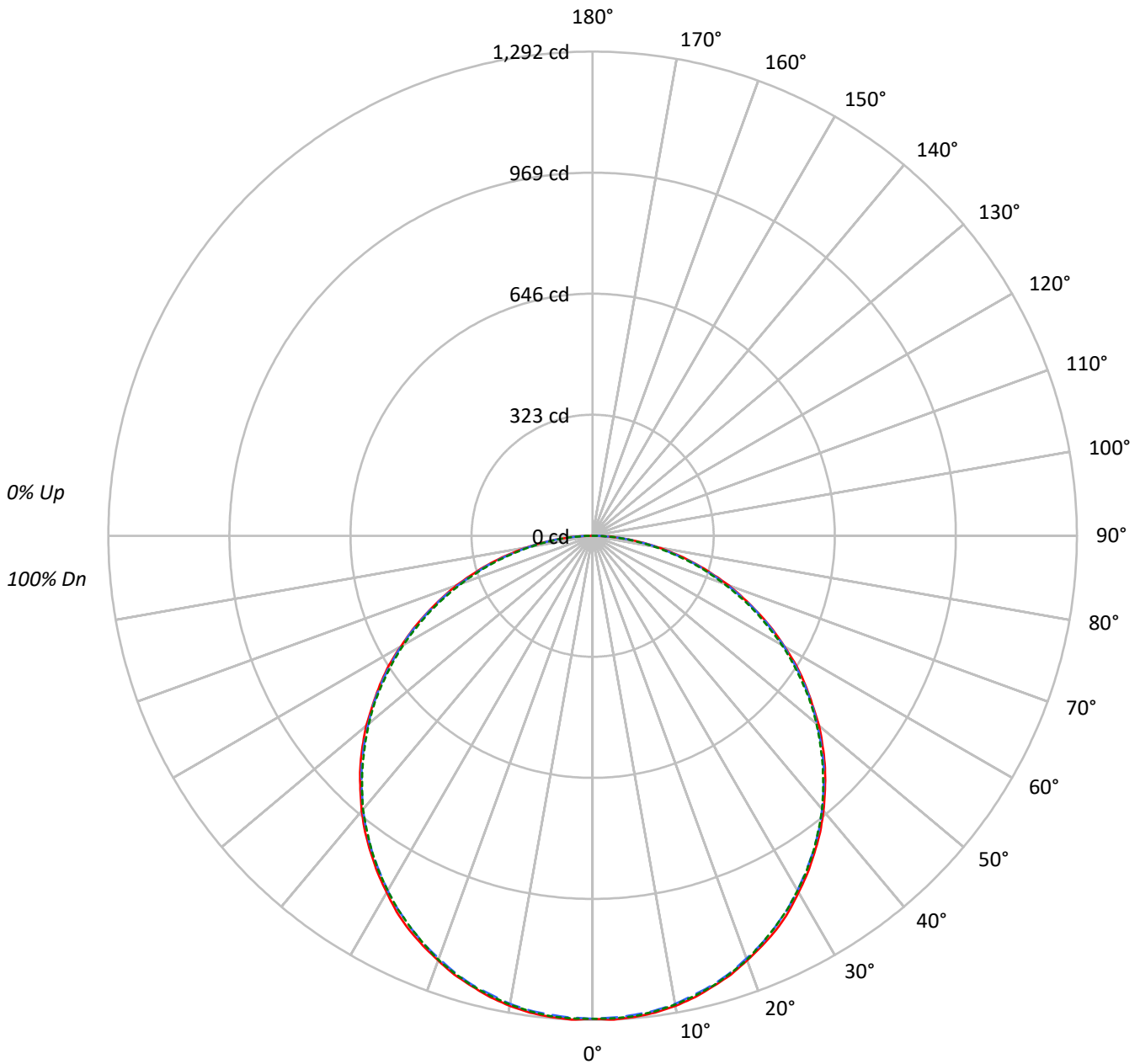
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3787.0 lumens
Efficiency: N/A
Efficacy: 106.4 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): 35.6
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				
RW	70	50	30	10	70	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°	1734	1734	1734
5°	1741	1733	1738
10°	1741	1733	1736
15°	1733	1728	1731
20°	1726	1718	1724
25°	1721	1710	1710
30°	1707	1698	1698
35°	1695	1686	1686
40°	1683	1673	1673
45°	1669	1658	1651
50°	1650	1635	1631
55°	1624	1616	1603
60°	1590	1585	1570
65°	1552	1546	1522
70°	1518	1489	1460
75°	1459	1421	1392
80°	1374	1345	1288
85°	1254	1226	1169



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.1	3.2
10°-20°	350.2	9.2
20°-30°	531.4	14.0
30°-40°	643.0	17.0
40°-50°	671.7	17.7
50°-60°	614.4	16.2
60°-70°	478.2	12.6
70°-80°	288.2	7.6
80°-90°	87.8	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°	1003.7	26.5
0°-40°	1646.6	43.5
0°-60°	2932.7	77.4
0°-90°	3787.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3787.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1289	1289	1289	1289	1289	
5°	1289	1285	1283	1283	1287	123
15°	1244	1241	1241	1239	1243	351
25°	1160	1154	1152	1150	1152	534
35°	1032	1028	1027	1027	1027	646
45°	877	872	872	868	868	676
55°	692	690	689	683	683	618
65°	487	487	486	478	478	483
75°	281	277	273	268	268	295
85°	81	79	79	76	76	90
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1288.8	1288.8	1288.8	1288.8	1288.8
2.5°	1292.5	1288.8	1286.9	1286.9	1288.8
5°	1288.8	1285.1	1283.2	1283.2	1286.9
7.5°	1283.2	1277.7	1277.7	1275.8	1279.5
10°	1274.0	1268.4	1268.4	1266.6	1270.3
12.5°	1261.1	1255.5	1253.7	1253.7	1257.4
15°	1244.4	1240.8	1240.8	1238.9	1242.6
17.5°	1227.8	1222.3	1222.3	1220.4	1224.1
20°	1205.7	1202.0	1200.1	1200.1	1203.8
22.5°	1183.5	1179.8	1178.0	1178.0	1178.0
25°	1159.5	1154.0	1152.1	1150.3	1152.1
27.5°	1131.8	1124.4	1124.4	1122.6	1124.4
30°	1098.6	1094.9	1093.0	1091.2	1093.0
32.5°	1067.2	1061.7	1059.8	1061.7	1061.7
35°	1032.1	1028.4	1026.6	1026.6	1026.6
37.5°	997.0	991.5	991.5	989.6	989.6
40°	958.3	954.6	952.7	952.7	952.7
42.5°	917.6	913.9	912.1	910.3	910.3
45°	877.0	871.5	871.5	867.8	867.8
47.5°	832.7	829.0	827.2	823.5	823.5
50°	788.4	784.7	781.0	781.0	779.2
52.5°	738.5	738.5	736.7	733.0	733.0
55°	692.4	690.5	688.7	683.2	683.2
57.5°	644.4	642.5	638.8	633.3	633.3
60°	590.8	590.8	589.0	581.6	583.4
62.5°	541.0	539.1	537.3	531.8	529.9
65°	487.4	487.4	485.6	478.2	478.2
67.5°	435.7	435.7	432.0	424.7	424.7
70°	385.9	380.3	378.5	373.0	371.1
72.5°	330.5	328.7	325.0	319.4	319.4
75°	280.6	277.0	273.3	267.7	267.7
77.5°	227.1	223.4	219.7	217.9	214.2
80°	177.3	175.4	173.6	168.0	166.2
82.5°	127.4	125.6	123.7	121.9	120.0
85°	81.2	79.4	79.4	75.7	75.7
87.5°	35.1	36.9	33.2	35.1	33.2
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)