

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: P568436

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

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568436
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-45HE-L930
Description: 2X4 4500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

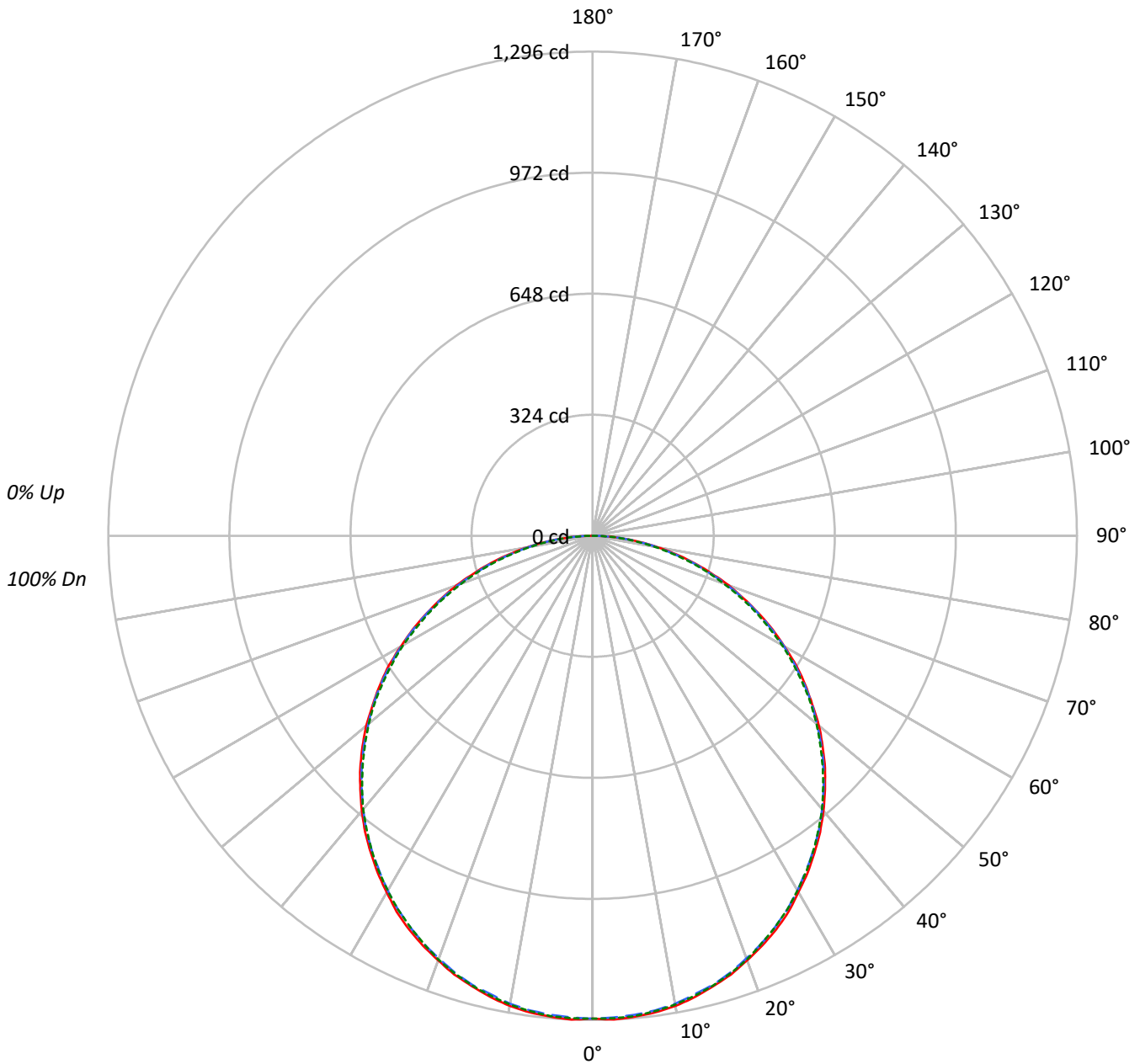
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3798.0 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): 34.7
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	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1739	1739	1739
5°	1746	1738	1743
10°	1746	1738	1741
15°	1739	1733	1736
20°	1731	1723	1729
25°	1726	1715	1715
30°	1712	1703	1703
35°	1700	1691	1691
40°	1688	1678	1678
45°	1674	1663	1656
50°	1655	1640	1636
55°	1629	1620	1607
60°	1595	1590	1574
65°	1557	1550	1527
70°	1522	1493	1464
75°	1463	1425	1396
80°	1378	1349	1292
85°	1258	1229	1172



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.5	3.2
10°-20°	351.2	9.2
20°-30°	532.9	14.0
30°-40°	644.8	17.0
40°-50°	673.6	17.7
50°-60°	616.2	16.2
60°-70°	479.6	12.6
70°-80°	289.1	7.6
80°-90°	88.1	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°	1006.6	26.5
0°-40°	1651.4	43.5
0°-60°	2941.2	77.4
0°-90°	3798.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3798.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1292	1292	1292	1292	1292	
5°	1292	1289	1287	1287	1291	123
15°	1248	1244	1244	1242	1246	352
25°	1163	1157	1156	1154	1156	536
35°	1035	1031	1030	1030	1030	648
45°	880	874	874	870	870	678
55°	694	692	691	685	685	620
65°	489	489	487	480	480	485
75°	282	278	274	268	268	296
85°	82	80	80	76	76	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1292.5	1292.5	1292.5	1292.5	1292.5
2.5°	1296.2	1292.5	1290.6	1290.6	1292.5
5°	1292.5	1288.8	1286.9	1286.9	1290.6
7.5°	1286.9	1281.4	1281.4	1279.5	1283.2
10°	1277.7	1272.1	1272.1	1270.3	1274.0
12.5°	1264.7	1259.2	1257.3	1257.3	1261.0
15°	1248.1	1244.4	1244.4	1242.5	1246.2
17.5°	1231.4	1225.8	1225.8	1224.0	1227.7
20°	1209.2	1205.5	1203.6	1203.6	1207.3
22.5°	1187.0	1183.3	1181.4	1181.4	1181.4
25°	1162.9	1157.3	1155.5	1153.6	1155.5
27.5°	1135.1	1127.7	1127.7	1125.8	1127.7
30°	1101.8	1098.1	1096.2	1094.4	1096.2
32.5°	1070.3	1064.7	1062.9	1064.7	1064.7
35°	1035.1	1031.4	1029.6	1029.6	1029.6
37.5°	999.9	994.4	994.4	992.5	992.5
40°	961.0	957.3	955.5	955.5	955.5
42.5°	920.3	916.6	914.8	912.9	912.9
45°	879.6	874.0	874.0	870.3	870.3
47.5°	835.1	831.4	829.6	825.9	825.9
50°	790.7	787.0	783.3	783.3	781.4
52.5°	740.7	740.7	738.8	735.1	735.1
55°	694.4	692.5	690.7	685.1	685.1
57.5°	646.3	644.4	640.7	635.1	635.1
60°	592.6	592.6	590.7	583.3	585.1
62.5°	542.6	540.7	538.9	533.3	531.4
65°	488.9	488.9	487.0	479.6	479.6
67.5°	437.0	437.0	433.3	425.9	425.9
70°	387.0	381.5	379.6	374.0	372.2
72.5°	331.5	329.6	325.9	320.3	320.3
75°	281.5	277.8	274.1	268.5	268.5
77.5°	227.8	224.1	220.4	218.5	214.8
80°	177.8	175.9	174.1	168.5	166.7
82.5°	127.8	125.9	124.1	122.2	120.4
85°	81.5	79.6	79.6	75.9	75.9
87.5°	35.2	37.0	33.3	35.2	33.3
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)