

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: P568480

Luminaire Tested: **24CGTX-45HE-L940**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568480
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-L940
Description: 2X4 4500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

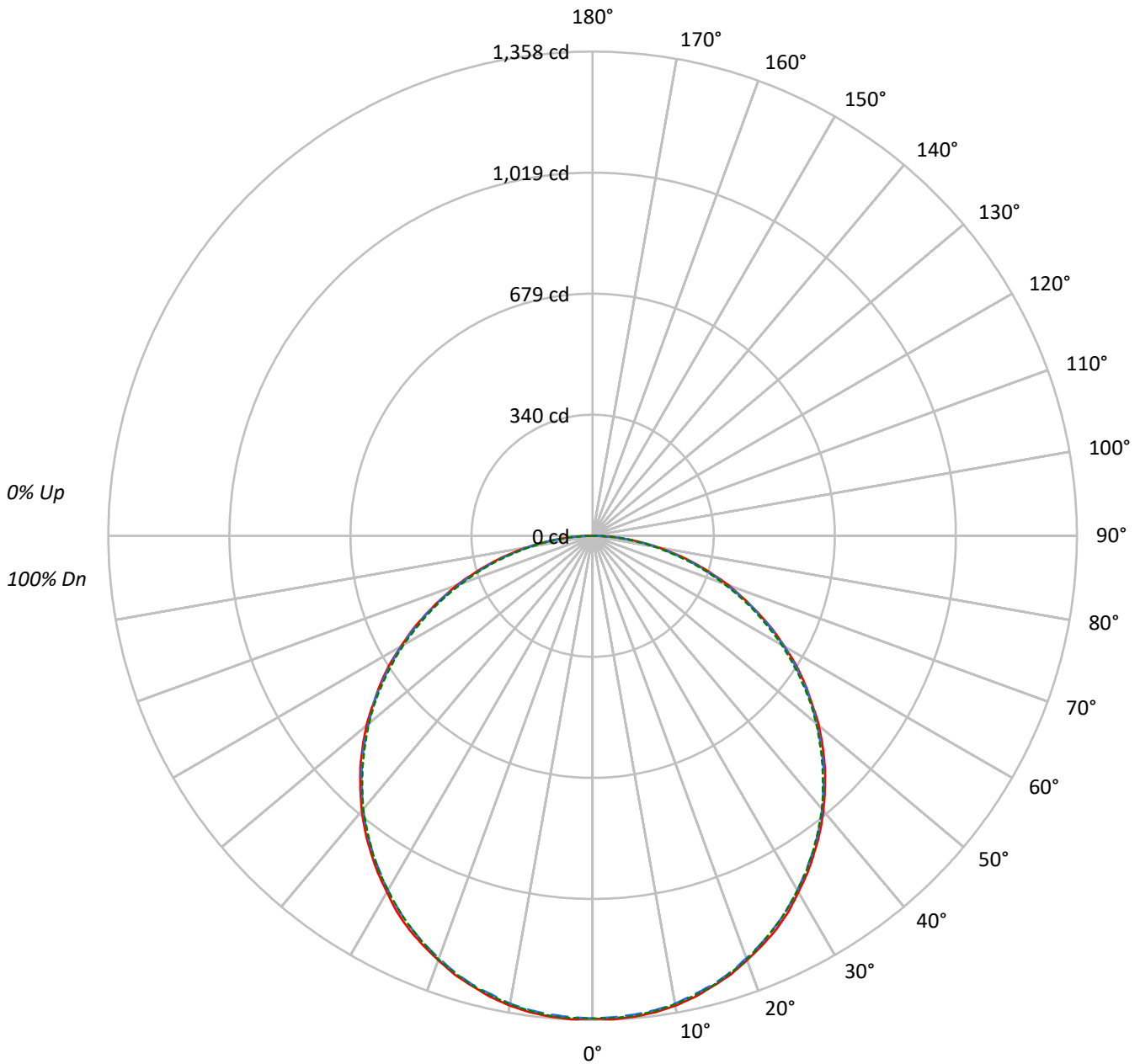
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3978.0 lumens
Efficiency: N/A
Efficacy: 114.6 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	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1822	1822	1822
5°	1828	1821	1826
10°	1828	1820	1823
15°	1821	1815	1818
20°	1813	1805	1811
25°	1808	1797	1797
30°	1793	1784	1784
35°	1781	1771	1771
40°	1768	1758	1758
45°	1753	1742	1735
50°	1734	1717	1713
55°	1706	1697	1683
60°	1670	1665	1649
65°	1630	1624	1599
70°	1595	1564	1533
75°	1533	1492	1462
80°	1443	1413	1353
85°	1317	1288	1227



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.3	3.2
10°-20°	367.8	9.2
20°-30°	558.2	14.0
30°-40°	675.4	17.0
40°-50°	705.6	17.7
50°-60°	645.4	16.2
60°-70°	502.3	12.6
70°-80°	302.8	7.6
80°-90°	92.3	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°	1054.3	26.5
0°-40°	1729.7	43.5
0°-60°	3080.6	77.4
0°-90°	3978.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3978.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1354	1354	1354	1354	1354	
5°	1354	1350	1348	1348	1352	129
15°	1307	1303	1303	1301	1305	369
25°	1218	1212	1210	1208	1210	561
35°	1084	1080	1078	1078	1078	679
45°	921	915	915	912	912	710
55°	727	725	723	718	718	650
65°	512	512	510	502	502	508
75°	295	291	287	281	281	310
85°	85	83	83	80	80	95
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1353.8	1353.8	1353.8	1353.8	1353.8
2.5°	1357.6	1353.8	1351.8	1351.8	1353.8
5°	1353.8	1349.9	1347.9	1347.9	1351.8
7.5°	1347.9	1342.1	1342.1	1340.2	1344.1
10°	1338.2	1332.4	1332.4	1330.5	1334.4
12.5°	1324.7	1318.8	1316.9	1316.9	1320.8
15°	1307.2	1303.3	1303.3	1301.4	1305.3
17.5°	1289.8	1283.9	1283.9	1282.0	1285.9
20°	1266.5	1262.6	1260.7	1260.7	1264.5
22.5°	1243.2	1239.3	1237.4	1237.4	1237.4
25°	1218.0	1212.2	1210.2	1208.3	1210.2
27.5°	1188.9	1181.1	1181.1	1179.2	1181.1
30°	1154.0	1150.1	1148.2	1146.2	1148.2
32.5°	1121.0	1115.2	1113.3	1115.2	1115.2
35°	1084.2	1080.3	1078.4	1078.4	1078.4
37.5°	1047.3	1041.5	1041.5	1039.6	1039.6
40°	1006.6	1002.7	1000.8	1000.8	1000.8
42.5°	963.9	960.0	958.1	956.2	956.2
45°	921.3	915.4	915.4	911.6	911.6
47.5°	874.7	870.8	868.9	865.0	865.0
50°	828.2	824.3	820.4	820.4	818.5
52.5°	775.8	775.8	773.9	770.0	770.0
55°	727.3	725.4	723.4	717.6	717.6
57.5°	676.9	674.9	671.1	665.2	665.2
60°	620.6	620.6	618.7	610.9	612.9
62.5°	568.3	566.3	564.4	558.6	556.6
65°	512.0	512.0	510.1	502.3	502.3
67.5°	457.7	457.7	453.8	446.1	446.1
70°	405.4	399.5	397.6	391.8	389.8
72.5°	347.2	345.2	341.3	335.5	335.5
75°	294.8	290.9	287.0	281.2	281.2
77.5°	238.6	234.7	230.8	228.9	225.0
80°	186.2	184.3	182.3	176.5	174.6
82.5°	133.8	131.9	129.9	128.0	126.1
85°	85.3	83.4	83.4	79.5	79.5
87.5°	36.9	38.8	34.9	36.9	34.9
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)