

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: P568583

Luminaire Tested: **24CGTX-45-L950**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568583
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-L950
Description: 2X4 4500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

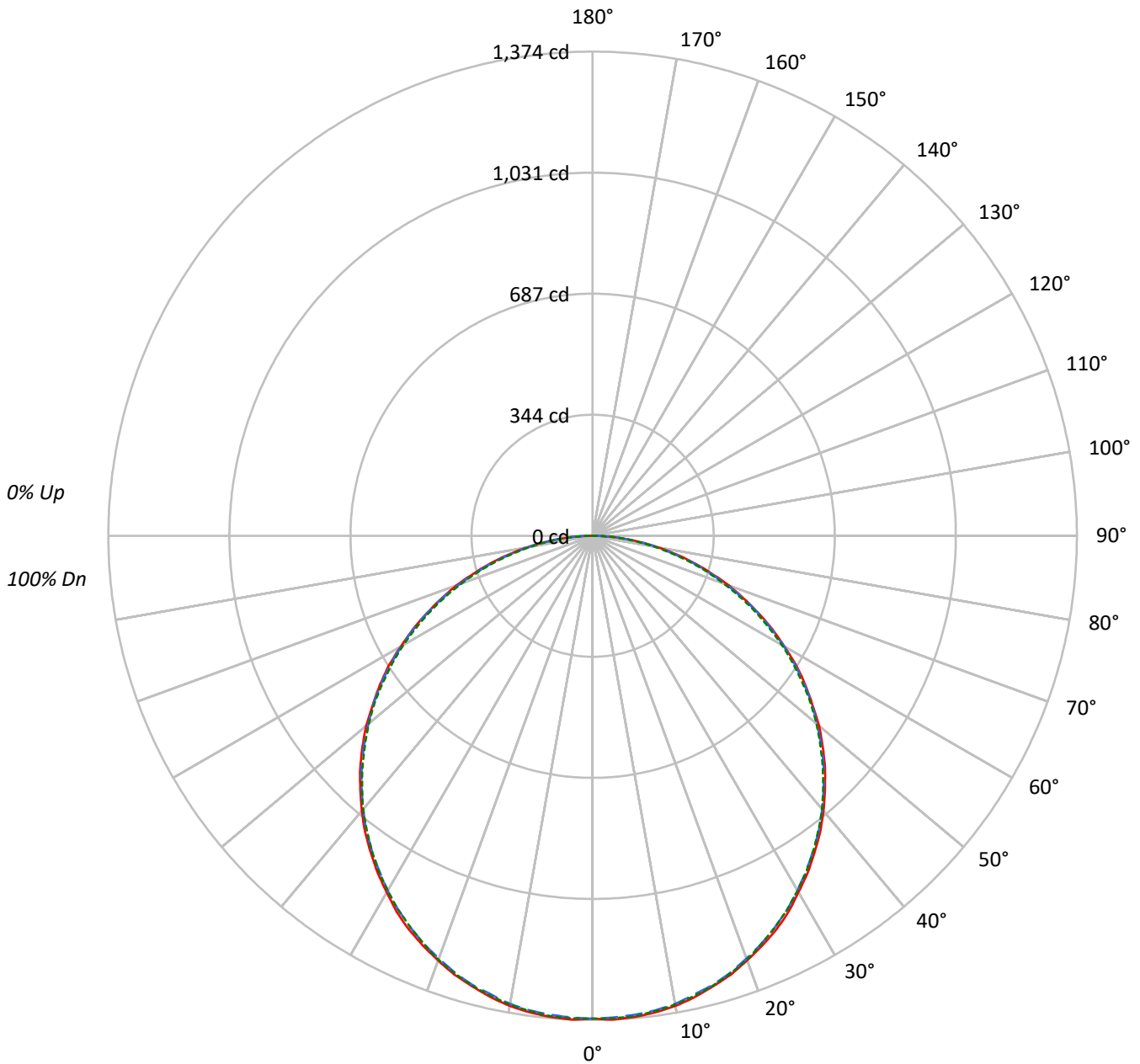
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4027.0 lumens
Efficiency: N/A
Efficacy: 113.1 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

TEST NUMBER: P568583
CATALOG NUMBER: 24CGTX-45-L950

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°	1844	1844	1844
5°	1851	1843	1848
10°	1851	1843	1846
15°	1843	1838	1841
20°	1836	1827	1833
25°	1830	1819	1819
30°	1815	1806	1806
35°	1803	1793	1793
40°	1790	1779	1779
45°	1775	1763	1756
50°	1755	1738	1734
55°	1727	1718	1704
60°	1691	1685	1669
65°	1650	1644	1619
70°	1614	1583	1552
75°	1551	1511	1480
80°	1461	1430	1369
85°	1334	1303	1243



TEST NUMBER: P568583

CATALOG NUMBER: 24CGTX-45-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.9	3.2
10°-20°	372.3	9.2
20°-30°	565.1	14.0
30°-40°	683.7	17.0
40°-50°	714.2	17.7
50°-60°	653.3	16.2
60°-70°	508.5	12.6
70°-80°	306.5	7.6
80°-90°	93.4	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°	1067.3	26.5
0°-40°	1751.0	43.5
0°-60°	3118.6	77.4
0°-90°	4027.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4027.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1370	1370	1370	1370	1370	
5°	1370	1366	1364	1364	1368	130
15°	1323	1319	1319	1317	1321	374
25°	1233	1227	1225	1223	1225	568
35°	1098	1094	1092	1092	1092	687
45°	933	927	927	923	923	719
55°	736	734	732	726	726	658
65°	518	518	516	508	508	514
75°	298	294	291	285	285	314
85°	86	84	84	80	80	96
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1370.4	1370.4	1370.4	1370.4	1370.4
2.5°	1374.4	1370.4	1368.5	1368.5	1370.4
5°	1370.4	1366.5	1364.5	1364.5	1368.5
7.5°	1364.5	1358.7	1358.7	1356.7	1360.6
10°	1354.7	1348.8	1348.8	1346.9	1350.8
12.5°	1341.0	1335.1	1333.1	1333.1	1337.1
15°	1323.3	1319.4	1319.4	1317.4	1321.3
17.5°	1305.6	1299.8	1299.8	1297.8	1301.7
20°	1282.1	1278.2	1276.2	1276.2	1280.1
22.5°	1258.5	1254.6	1252.6	1252.6	1252.6
25°	1233.0	1227.1	1225.1	1223.2	1225.1
27.5°	1203.5	1195.7	1195.7	1193.7	1195.7
30°	1168.2	1164.3	1162.3	1160.4	1162.3
32.5°	1134.8	1128.9	1127.0	1128.9	1128.9
35°	1097.5	1093.6	1091.6	1091.6	1091.6
37.5°	1060.2	1054.3	1054.3	1052.4	1052.4
40°	1019.0	1015.1	1013.1	1013.1	1013.1
42.5°	975.8	971.9	969.9	967.9	967.9
45°	932.6	926.7	926.7	922.8	922.8
47.5°	885.5	881.6	879.6	875.7	875.7
50°	838.4	834.4	830.5	830.5	828.5
52.5°	785.3	785.3	783.4	779.5	779.5
55°	736.3	734.3	732.3	726.4	726.4
57.5°	685.2	683.3	679.3	673.4	673.4
60°	628.3	628.3	626.3	618.5	620.4
62.5°	575.3	573.3	571.3	565.5	563.5
65°	518.3	518.3	516.4	508.5	508.5
67.5°	463.4	463.4	459.4	451.6	451.6
70°	410.3	404.5	402.5	396.6	394.6
72.5°	351.4	349.5	345.6	339.7	339.7
75°	298.4	294.5	290.6	284.7	284.7
77.5°	241.5	237.6	233.6	231.7	227.8
80°	188.5	186.5	184.6	178.7	176.7
82.5°	135.5	133.5	131.5	129.6	127.6
85°	86.4	84.4	84.4	80.5	80.5
87.5°	37.3	39.3	35.3	37.3	35.3
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)