

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: P568385

Luminaire Tested: **22CGTX-45HE-L950**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568385
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)
Test Lab: INNOVATION CENTER
Issue Date: 9/19/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CGTX-45HE-L950
Description: 2X2 4500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

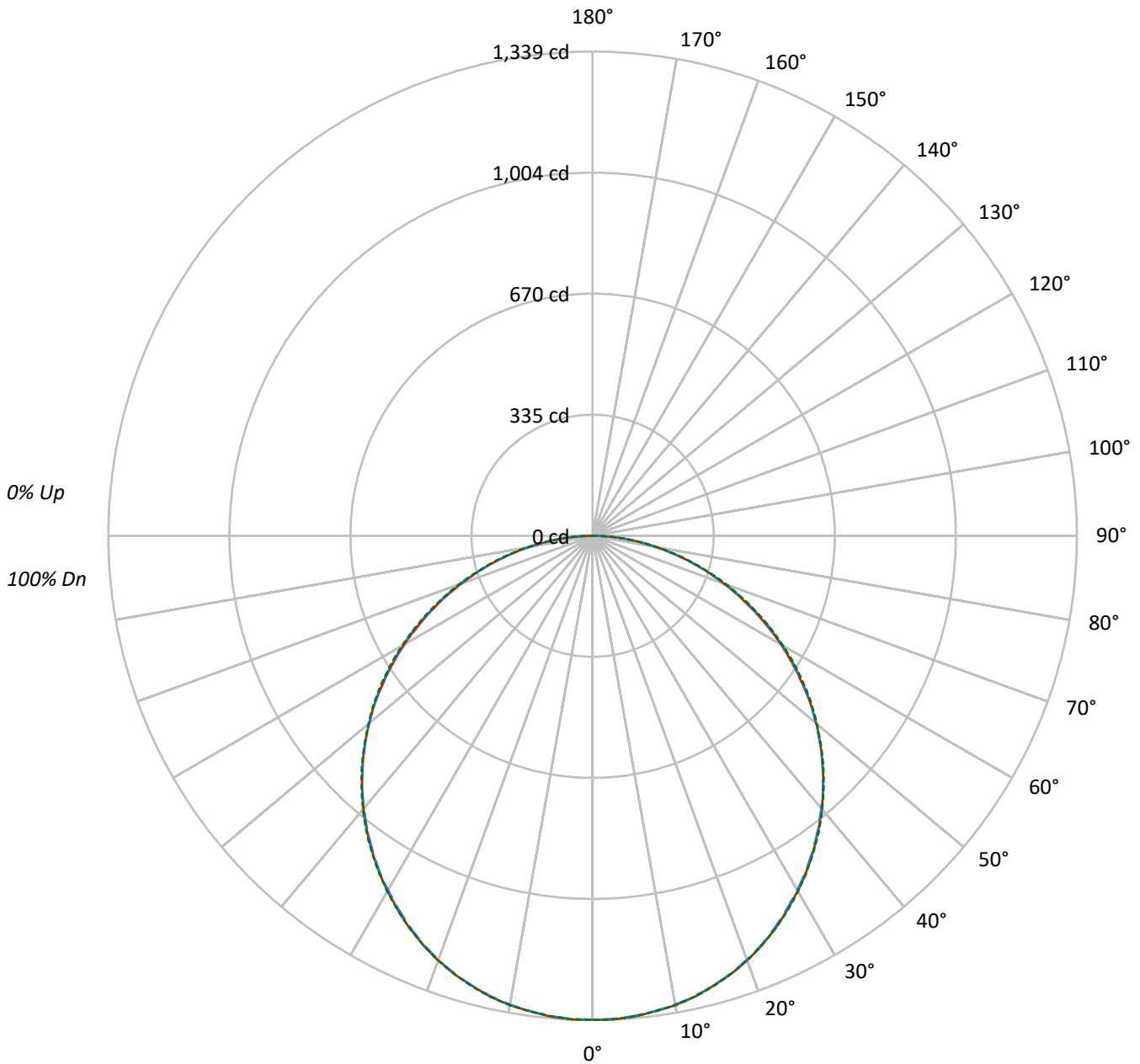
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3917.0 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 36.2
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: P568385
CATALOG NUMBER: 22CGTX-45HE-L950

Luminous Intensity Polar Plot





TEST NUMBER: P568385

CATALOG NUMBER: 22CGTX-45HE-L950

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					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	77	73	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	80	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	33								
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	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	39	31	26	38	30	26	37	30	25	36	30	25	24								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3602	3602	3602
5°	3605	3601	3603
10°	3601	3597	3603
15°	3589	3589	3593
20°	3579	3573	3579
25°	3554	3546	3556
30°	3525	3516	3529
35°	3494	3487	3501
40°	3462	3455	3469
45°	3424	3421	3433
50°	3378	3375	3386
55°	3310	3319	3341
60°	3237	3252	3273
65°	3142	3163	3189
70°	3032	3064	3091
75°	2912	2933	2967
80°	2738	2769	2789
85°	2492	2513	2553



TEST NUMBER: P568385

CATALOG NUMBER: 22CGTX-45HE-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.7	3.2
10°-20°	363.6	9.3
20°-30°	551.0	14.1
30°-40°	665.5	17.0
40°-50°	694.3	17.7
50°-60°	633.2	16.2
60°-70°	492.2	12.6
70°-80°	298.5	7.6
80°-90°	92.0	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°	1041.3	26.6
0°-40°	1706.8	43.6
0°-60°	3034.3	77.5
0°-90°	3917.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3917.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1338	1338	1338	1338	1338	
5°	1334	1332	1333	1332	1334	127
15°	1288	1288	1288	1288	1290	364
25°	1197	1194	1194	1196	1198	552
35°	1064	1062	1062	1066	1066	666
45°	900	899	899	903	902	694
55°	706	707	708	710	712	631
65°	494	495	497	499	501	489
75°	280	279	282	285	285	296
85°	81	81	81	83	83	91
90°	0	0	0	0	0	



TEST NUMBER: P568385

CATALOG NUMBER: 22CGTX-45HE-L950

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1338.4	1338.4	1338.4	1338.4	1338.4
2.5°	1339.0	1337.0	1337.0	1336.4	1338.4
5°	1334.4	1332.4	1333.0	1332.4	1333.7
7.5°	1326.4	1325.0	1325.7	1325.0	1326.4
10°	1317.7	1316.4	1316.4	1316.4	1318.4
12.5°	1305.7	1304.3	1304.3	1304.3	1305.7
15°	1288.3	1288.3	1288.3	1288.3	1289.7
17.5°	1271.0	1269.0	1269.7	1269.0	1271.0
20°	1249.7	1247.0	1247.7	1247.7	1249.7
22.5°	1225.0	1222.3	1223.0	1223.0	1224.3
25°	1197.0	1194.3	1194.3	1196.3	1197.7
27.5°	1166.3	1164.3	1163.6	1167.0	1167.6
30°	1134.3	1133.0	1131.6	1135.0	1135.6
32.5°	1100.3	1099.0	1098.3	1101.6	1101.6
35°	1063.6	1062.3	1061.6	1065.6	1065.6
37.5°	1025.6	1024.9	1023.6	1027.6	1028.3
40°	985.6	984.3	983.6	987.6	987.6
42.5°	943.6	942.3	942.9	946.3	945.6
45°	899.6	898.9	898.9	902.9	902.2
47.5°	854.2	852.9	853.6	857.6	856.2
50°	806.9	805.5	806.2	810.2	808.9
52.5°	758.2	756.9	758.2	762.2	762.2
55°	705.5	706.9	707.5	709.5	712.2
57.5°	654.2	654.8	657.5	658.8	660.8
60°	601.5	602.8	604.2	606.8	608.2
62.5°	547.5	549.5	553.5	553.5	554.8
65°	493.5	494.8	496.8	498.8	500.8
67.5°	440.1	440.8	444.1	444.8	446.8
70°	385.4	386.1	389.4	390.1	392.8
72.5°	333.4	332.8	335.4	338.8	338.8
75°	280.1	279.4	282.1	284.7	285.4
77.5°	228.1	227.4	229.4	232.7	232.7
80°	176.7	178.0	178.7	181.4	180.0
82.5°	127.4	128.0	128.7	130.7	129.4
85°	80.7	81.4	81.4	83.4	82.7
87.5°	38.0	37.3	37.3	38.7	38.0
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)