

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: P568373

Luminaire Tested: **22CGTX-45HE-L940**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568373
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-L940
Description: 2X2 4500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

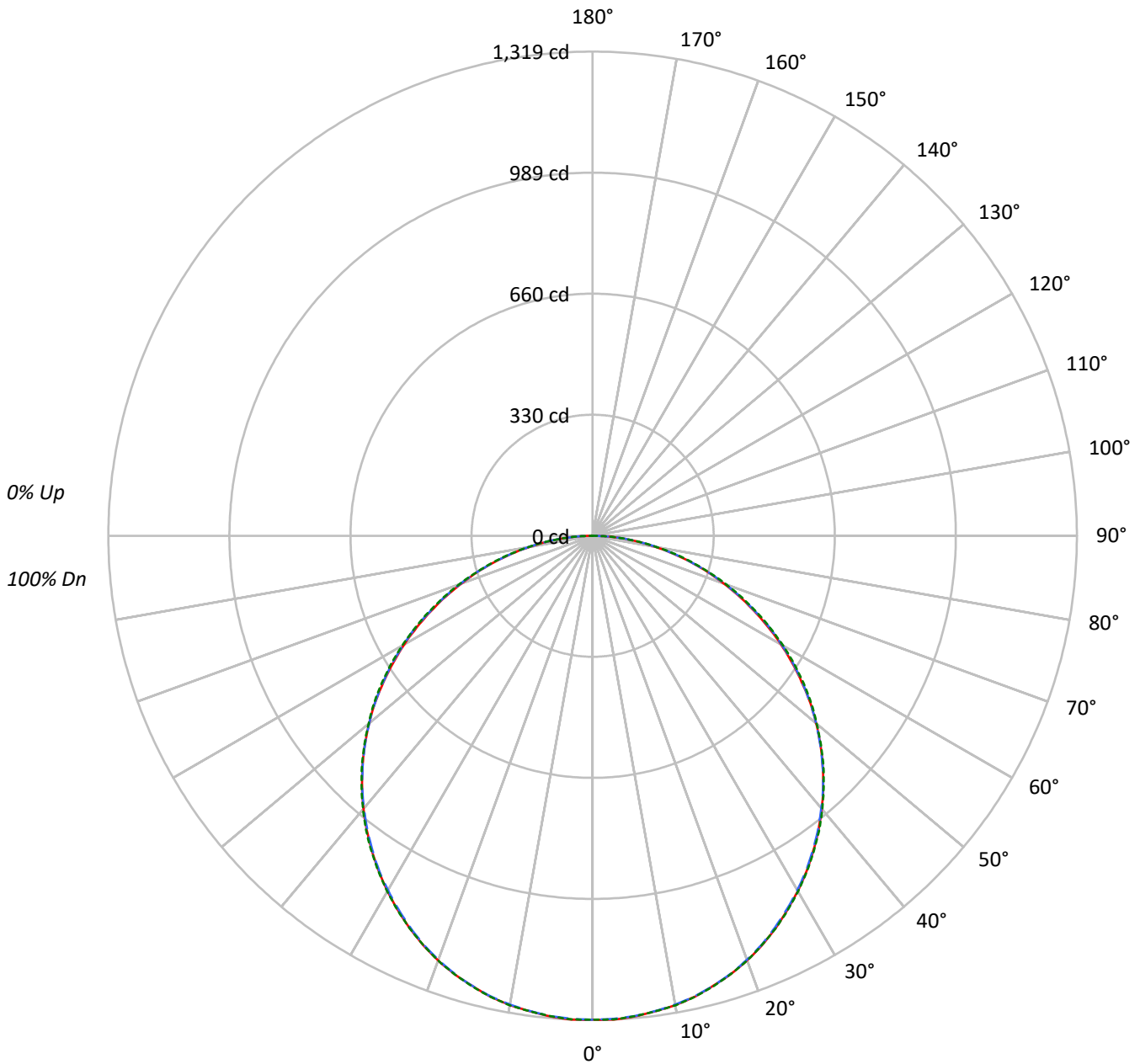
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3859.0 lumens
Efficiency: N/A
Efficacy: 106.6 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: P568373
CATALOG NUMBER: 22CGTX-45HE-L940

Luminous Intensity Polar Plot





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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°	3548	3548	3548
5°	3551	3548	3549
10°	3547	3544	3549
15°	3536	3536	3540
20°	3526	3520	3526
25°	3502	3494	3503
30°	3472	3464	3476
35°	3442	3436	3449
40°	3411	3404	3418
45°	3373	3370	3383
50°	3328	3325	3336
55°	3261	3270	3292
60°	3189	3203	3225
65°	3096	3116	3142
70°	2987	3019	3045
75°	2869	2889	2924
80°	2698	2729	2749
85°	2455	2476	2516



TEST NUMBER: P568373

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.8	3.2
10°-20°	358.2	9.3
20°-30°	542.8	14.1
30°-40°	655.6	17.0
40°-50°	684.0	17.7
50°-60°	623.8	16.2
60°-70°	484.9	12.6
70°-80°	294.1	7.6
80°-90°	90.7	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°	1025.9	26.6
0°-40°	1681.5	43.6
0°-60°	2989.3	77.5
0°-90°	3859.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3859.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1318	1318	1318	1318	1318	
5°	1315	1313	1313	1313	1314	125
15°	1269	1269	1269	1269	1271	358
25°	1179	1177	1177	1179	1180	543
35°	1048	1047	1046	1050	1050	656
45°	886	886	886	890	889	684
55°	695	696	697	699	702	622
65°	486	488	489	491	493	481
75°	276	275	278	280	281	292
85°	80	80	80	82	82	90
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1318.5	1318.5	1318.5	1318.5	1318.5
2.5°	1319.2	1317.2	1317.2	1316.6	1318.5
5°	1314.6	1312.6	1313.3	1312.6	1313.9
7.5°	1306.7	1305.4	1306.1	1305.4	1306.7
10°	1298.2	1296.9	1296.9	1296.9	1298.8
12.5°	1286.3	1285.0	1285.0	1285.0	1286.3
15°	1269.3	1269.3	1269.3	1269.3	1270.6
17.5°	1252.2	1250.2	1250.9	1250.2	1252.2
20°	1231.2	1228.5	1229.2	1229.2	1231.2
22.5°	1206.9	1204.2	1204.9	1204.9	1206.2
25°	1179.3	1176.6	1176.6	1178.6	1179.9
27.5°	1149.0	1147.1	1146.4	1149.7	1150.4
30°	1117.5	1116.2	1114.9	1118.2	1118.8
32.5°	1084.0	1082.7	1082.0	1085.3	1085.3
35°	1047.9	1046.6	1045.9	1049.8	1049.8
37.5°	1010.4	1009.8	1008.5	1012.4	1013.0
40°	971.0	969.7	969.0	973.0	973.0
42.5°	929.6	928.3	929.0	932.2	931.6
45°	886.3	885.6	885.6	889.5	888.9
47.5°	841.6	840.3	840.9	844.9	843.6
50°	794.9	793.6	794.3	798.2	796.9
52.5°	747.0	745.7	747.0	750.9	750.9
55°	695.1	696.4	697.0	699.0	701.6
57.5°	644.5	645.1	647.8	649.1	651.1
60°	592.6	593.9	595.2	597.8	599.2
62.5°	539.4	541.3	545.3	545.3	546.6
65°	486.2	487.5	489.4	491.4	493.4
67.5°	433.6	434.3	437.5	438.2	440.2
70°	379.7	380.4	383.7	384.3	387.0
72.5°	328.5	327.8	330.5	333.7	333.7
75°	275.9	275.3	277.9	280.5	281.2
77.5°	224.7	224.0	226.0	229.3	229.3
80°	174.1	175.4	176.1	178.7	177.4
82.5°	125.5	126.1	126.8	128.8	127.5
85°	79.5	80.2	80.2	82.1	81.5
87.5°	37.4	36.8	36.8	38.1	37.4
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)