

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: P568361

Luminaire Tested: **22CGTX-45HE-L935**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568361
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-L935
Description: 2X2 4500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

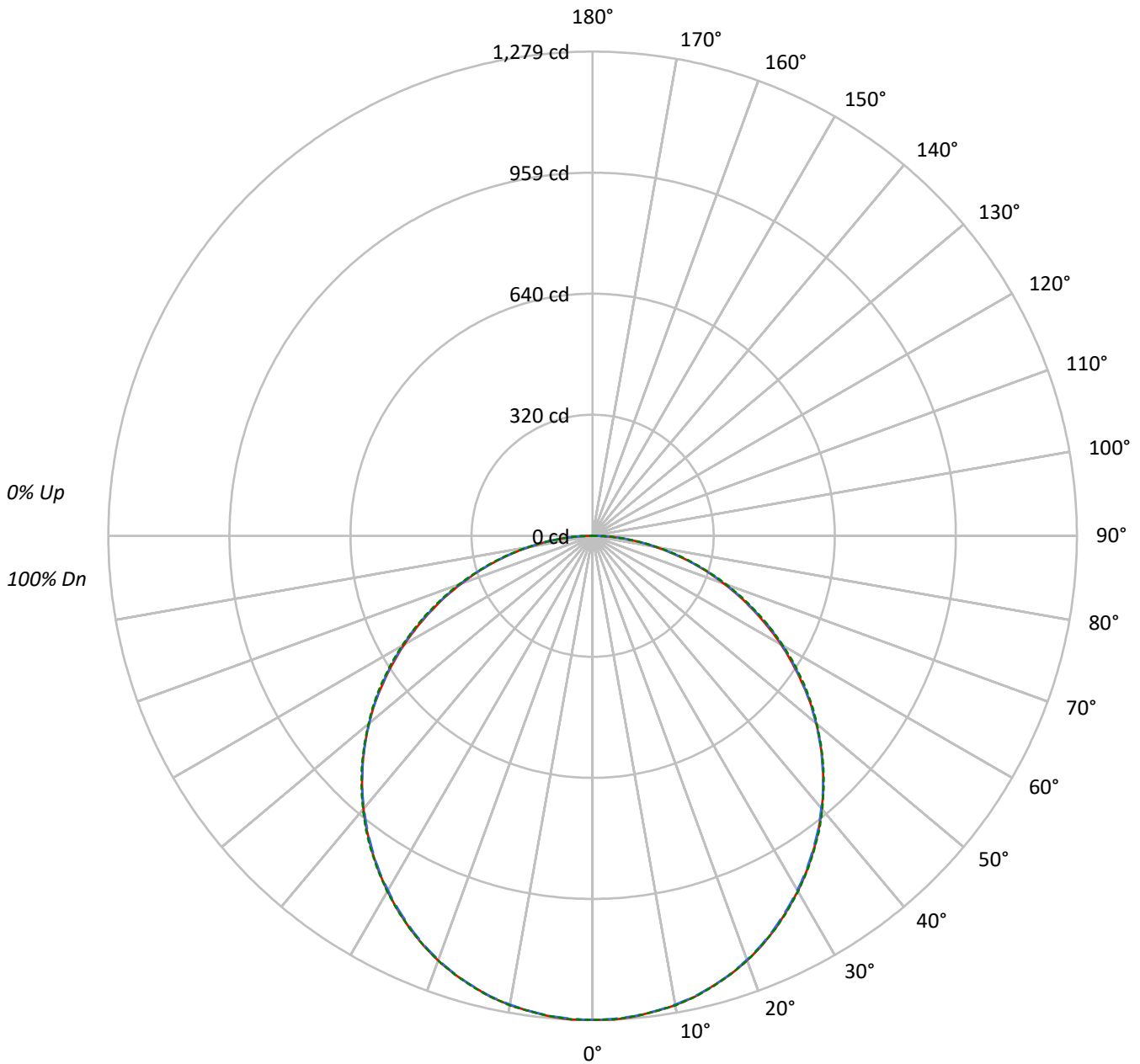
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3742.0 lumens
Efficiency: N/A
Efficacy: 103.4 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

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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	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°	3441	3441	3441
5°	3443	3440	3442
10°	3440	3436	3442
15°	3429	3429	3433
20°	3419	3413	3419
25°	3395	3388	3397
30°	3367	3359	3371
35°	3338	3332	3344
40°	3308	3301	3314
45°	3271	3268	3280
50°	3227	3224	3235
55°	3162	3171	3192
60°	3092	3106	3127
65°	3002	3022	3046
70°	2897	2927	2952
75°	2782	2802	2835
80°	2616	2645	2665
85°	2381	2399	2439



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.0	3.2
10°-20°	347.4	9.3
20°-30°	526.4	14.1
30°-40°	635.7	17.0
40°-50°	663.3	17.7
50°-60°	604.9	16.2
60°-70°	470.2	12.6
70°-80°	285.2	7.6
80°-90°	87.9	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°	994.8	26.6
0°-40°	1630.6	43.6
0°-60°	2898.7	77.5
0°-90°	3742.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3742.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1279	1279	1279	1279	1279	
5°	1275	1273	1274	1273	1274	121
15°	1231	1231	1231	1231	1232	348
25°	1144	1141	1141	1143	1144	527
35°	1016	1015	1014	1018	1018	636
45°	859	859	859	863	862	663
55°	674	675	676	678	680	603
65°	471	473	475	476	478	467
75°	268	267	270	272	273	283
85°	77	78	78	80	79	87
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1278.6	1278.6	1278.6	1278.6	1278.6
2.5°	1279.2	1277.3	1277.3	1276.7	1278.6
5°	1274.7	1272.8	1273.5	1272.8	1274.1
7.5°	1267.1	1265.8	1266.5	1265.8	1267.1
10°	1258.8	1257.5	1257.5	1257.5	1259.5
12.5°	1247.3	1246.1	1246.1	1246.1	1247.3
15°	1230.8	1230.8	1230.8	1230.8	1232.1
17.5°	1214.2	1212.3	1212.9	1212.3	1214.2
20°	1193.8	1191.3	1191.9	1191.9	1193.8
22.5°	1170.3	1167.7	1168.4	1168.4	1169.6
25°	1143.5	1141.0	1141.0	1142.9	1144.1
27.5°	1114.2	1112.3	1111.7	1114.8	1115.5
30°	1083.6	1082.4	1081.1	1084.3	1084.9
32.5°	1051.1	1049.9	1049.2	1052.4	1052.4
35°	1016.1	1014.8	1014.2	1018.0	1018.0
37.5°	979.8	979.2	977.9	981.7	982.3
40°	941.6	940.3	939.7	943.5	943.5
42.5°	901.4	900.2	900.8	904.0	903.3
45°	859.4	858.7	858.7	862.6	861.9
47.5°	816.1	814.8	815.4	819.2	818.0
50°	770.8	769.6	770.2	774.0	772.7
52.5°	724.3	723.1	724.3	728.2	728.2
55°	674.0	675.3	675.9	677.8	680.4
57.5°	624.9	625.6	628.1	629.4	631.3
60°	574.6	575.9	577.2	579.7	581.0
62.5°	523.0	524.9	528.8	528.8	530.0
65°	471.4	472.7	474.6	476.5	478.4
67.5°	420.5	421.1	424.3	424.9	426.8
70°	368.2	368.9	372.0	372.7	375.2
72.5°	318.5	317.9	320.4	323.6	323.6
75°	267.6	266.9	269.5	272.0	272.7
77.5°	217.9	217.2	219.1	222.3	222.3
80°	168.8	170.1	170.7	173.3	172.0
82.5°	121.7	122.3	123.0	124.9	123.6
85°	77.1	77.7	77.7	79.6	79.0
87.5°	36.3	35.7	35.7	36.9	36.3
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)