

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: P568349

Luminaire Tested: **22CGTX-45HE-L930**

Issue Date: 9/19/2022

**Test Information**

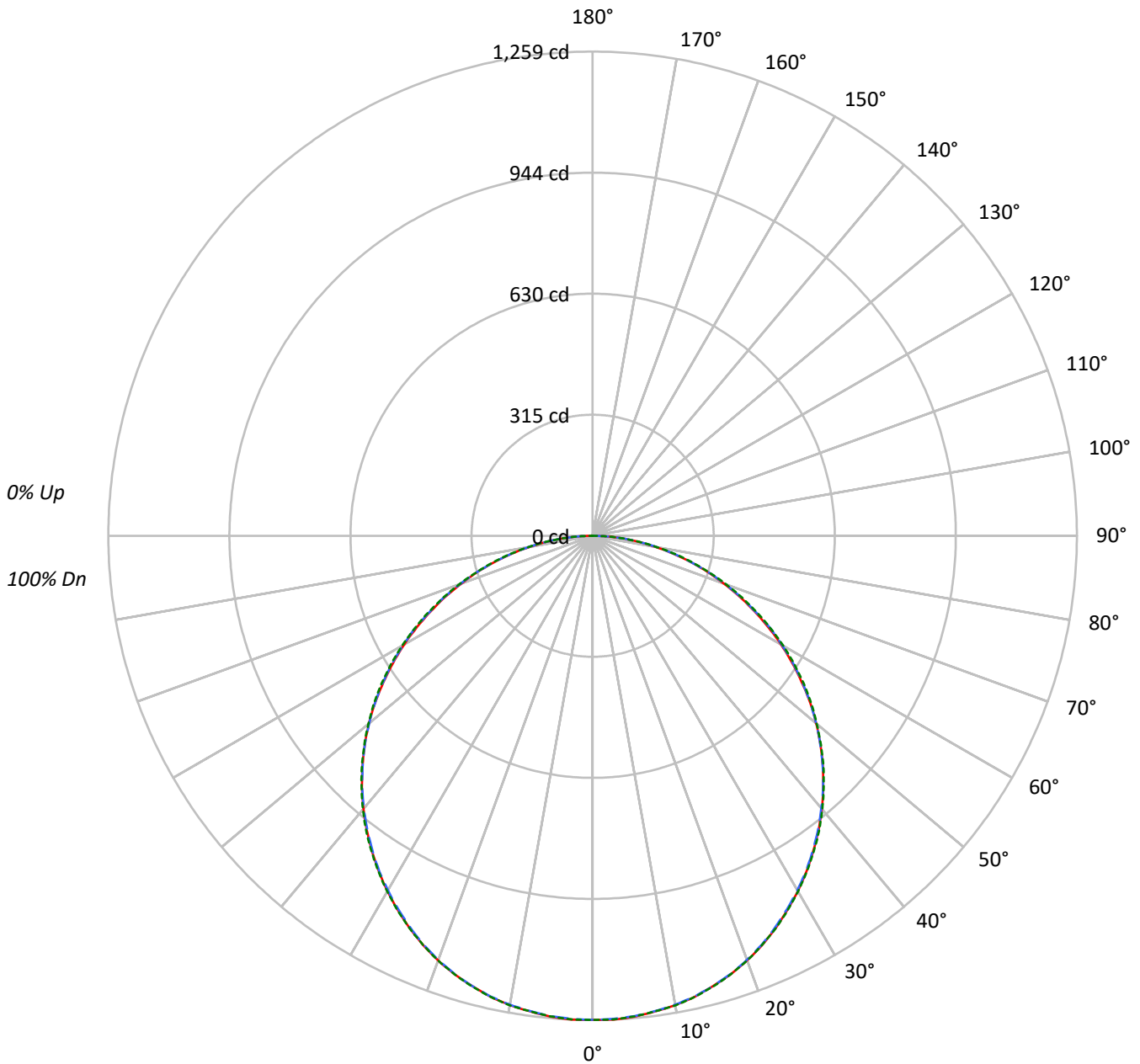
Test Method: LM-79-08  
Report Number: P568349  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CGTX-45HE-L930  
Description: 2X2 4500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 90CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3684.0 lumens  
Efficiency: N/A  
Efficacy: 101.8 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<sub>in</sub>): 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°	3387	3387	3387
5°	3390	3387	3388
10°	3386	3383	3388
15°	3376	3376	3379
20°	3366	3361	3366
25°	3343	3335	3344
30°	3315	3307	3319
35°	3286	3280	3292
40°	3256	3250	3263
45°	3220	3217	3229
50°	3177	3175	3185
55°	3113	3122	3142
60°	3045	3058	3078
65°	2955	2975	2999
70°	2852	2882	2906
75°	2739	2758	2791
80°	2576	2605	2624
85°	2343	2362	2402



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.2	3.2
10°-20°	342.0	9.3
20°-30°	518.2	14.1
30°-40°	625.9	17.0
40°-50°	653.0	17.7
50°-60°	595.5	16.2
60°-70°	462.9	12.6
70°-80°	280.8	7.6
80°-90°	86.6	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°	979.4	26.6
0°-40°	1605.3	43.6
0°-60°	2853.8	77.5
0°-90°	3684.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3684.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1259	1259	1259	1259	1259	
5°	1255	1253	1254	1253	1254	119
15°	1212	1212	1212	1212	1213	342
25°	1126	1123	1123	1125	1126	519
35°	1000	999	998	1002	1002	626
45°	846	845	845	849	849	653
55°	664	665	665	667	670	594
65°	464	465	467	469	471	460
75°	263	263	265	268	268	278
85°	76	76	76	78	78	86
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1258.7	1258.7	1258.7	1258.7	1258.7
2.5°	1259.4	1257.5	1257.5	1256.9	1258.7
5°	1255.0	1253.1	1253.7	1253.1	1254.4
7.5°	1247.5	1246.2	1246.8	1246.2	1247.5
10°	1239.3	1238.1	1238.1	1238.1	1239.9
12.5°	1228.0	1226.8	1226.8	1226.8	1228.0
15°	1211.7	1211.7	1211.7	1211.7	1213.0
17.5°	1195.4	1193.5	1194.1	1193.5	1195.4
20°	1175.3	1172.8	1173.5	1173.5	1175.3
22.5°	1152.1	1149.6	1150.2	1150.2	1151.5
25°	1125.8	1123.3	1123.3	1125.2	1126.4
27.5°	1096.9	1095.1	1094.4	1097.6	1098.2
30°	1066.8	1065.6	1064.3	1067.5	1068.1
32.5°	1034.8	1033.6	1033.0	1036.1	1036.1
35°	1000.3	999.1	998.5	1002.2	1002.2
37.5°	964.6	964.0	962.7	966.5	967.1
40°	927.0	925.7	925.1	928.9	928.9
42.5°	887.5	886.2	886.8	890.0	889.3
45°	846.1	845.4	845.4	849.2	848.6
47.5°	803.4	802.2	802.8	806.6	805.3
50°	758.9	757.6	758.3	762.0	760.8
52.5°	713.1	711.8	713.1	716.9	716.9
55°	663.6	664.8	665.4	667.3	669.8
57.5°	615.3	615.9	618.4	619.7	621.5
60°	565.7	567.0	568.2	570.7	572.0
62.5°	514.9	516.8	520.6	520.6	521.8
65°	464.1	465.4	467.2	469.1	471.0
67.5°	413.9	414.6	417.7	418.3	420.2
70°	362.5	363.1	366.3	366.9	369.4
72.5°	313.6	313.0	315.5	318.6	318.6
75°	263.4	262.8	265.3	267.8	268.4
77.5°	214.5	213.9	215.7	218.9	218.9
80°	166.2	167.5	168.1	170.6	169.3
82.5°	119.8	120.4	121.0	122.9	121.7
85°	75.9	76.5	76.5	78.4	77.8
87.5°	35.7	35.1	35.1	36.4	35.7
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)