

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: P568395

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

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568395
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-45-L930
Description: 2X2 4500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

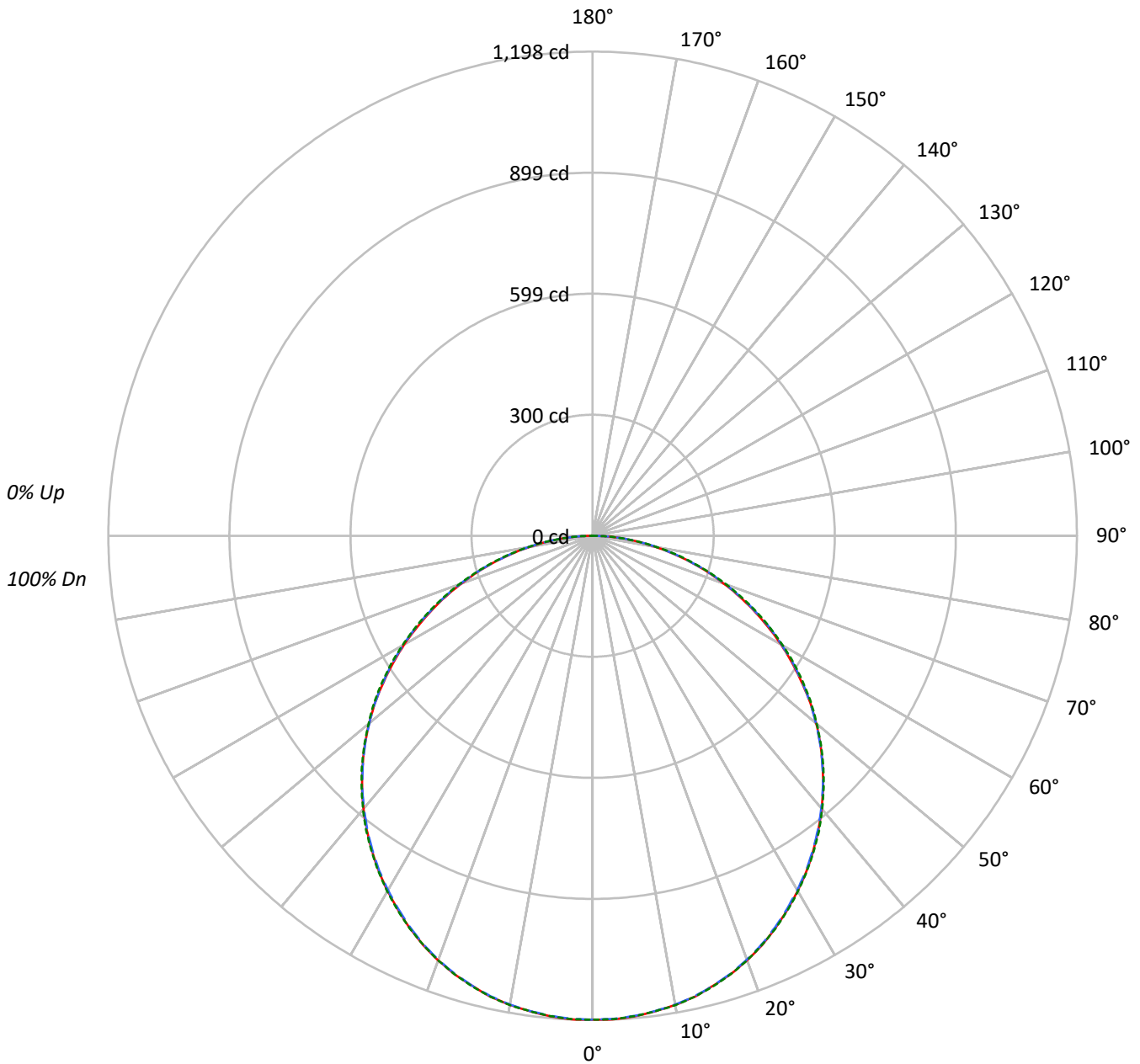
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3504.0 lumens
Efficiency: N/A
Efficacy: 93.4 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): 37.5
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					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°	3222	3222	3222
5°	3224	3221	3223
10°	3221	3218	3222
15°	3211	3211	3214
20°	3201	3196	3201
25°	3179	3172	3181
30°	3153	3145	3157
35°	3126	3120	3132
40°	3097	3091	3104
45°	3062	3060	3072
50°	3022	3019	3029
55°	2961	2969	2989
60°	2896	2909	2928
65°	2811	2830	2853
70°	2713	2741	2765
75°	2604	2623	2654
80°	2450	2478	2497
85°	2229	2248	2285



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.3	3.2
10°-20°	325.3	9.3
20°-30°	492.9	14.1
30°-40°	595.3	17.0
40°-50°	621.1	17.7
50°-60°	566.4	16.2
60°-70°	440.3	12.6
70°-80°	267.1	7.6
80°-90°	82.3	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°	931.5	26.6
0°-40°	1526.8	43.6
0°-60°	2714.3	77.5
0°-90°	3504.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3504.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1197	1197	1197	1197	1197	
5°	1194	1192	1192	1192	1193	113
15°	1152	1152	1152	1152	1154	326
25°	1071	1068	1068	1070	1071	493
35°	952	950	950	953	953	595
45°	805	804	804	808	807	621
55°	631	632	633	635	637	565
65°	441	443	444	446	448	437
75°	250	250	252	255	255	265
85°	72	73	73	75	74	81
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1197.2	1197.2	1197.2	1197.2	1197.2
2.5°	1197.8	1196.1	1196.1	1195.5	1197.2
5°	1193.7	1191.9	1192.5	1191.9	1193.1
7.5°	1186.5	1185.3	1185.9	1185.3	1186.5
10°	1178.8	1177.6	1177.6	1177.6	1179.3
12.5°	1168.0	1166.8	1166.8	1166.8	1168.0
15°	1152.5	1152.5	1152.5	1152.5	1153.7
17.5°	1137.0	1135.2	1135.8	1135.2	1137.0
20°	1117.9	1115.5	1116.1	1116.1	1117.9
22.5°	1095.8	1093.4	1094.0	1094.0	1095.2
25°	1070.8	1068.4	1068.4	1070.2	1071.4
27.5°	1043.3	1041.5	1041.0	1043.9	1044.5
30°	1014.7	1013.5	1012.3	1015.3	1015.9
32.5°	984.3	983.1	982.5	985.5	985.5
35°	951.5	950.3	949.7	953.3	953.3
37.5°	917.5	916.9	915.7	919.3	919.9
40°	881.7	880.5	879.9	883.5	883.5
42.5°	844.1	842.9	843.5	846.5	845.9
45°	804.7	804.1	804.1	807.7	807.1
47.5°	764.2	763.0	763.6	767.1	766.0
50°	721.8	720.6	721.2	724.8	723.6
52.5°	678.3	677.1	678.3	681.8	681.8
55°	631.1	632.3	632.9	634.7	637.1
57.5°	585.2	585.8	588.2	589.4	591.2
60°	538.1	539.3	540.5	542.8	544.0
62.5°	489.8	491.5	495.1	495.1	496.3
65°	441.4	442.6	444.4	446.2	448.0
67.5°	393.7	394.3	397.3	397.9	399.7
70°	344.8	345.4	348.4	349.0	351.4
72.5°	298.3	297.7	300.1	303.0	303.0
75°	250.5	249.9	252.3	254.7	255.3
77.5°	204.0	203.4	205.2	208.2	208.2
80°	158.1	159.3	159.9	162.3	161.1
82.5°	113.9	114.5	115.1	116.9	115.7
85°	72.2	72.8	72.8	74.6	74.0
87.5°	34.0	33.4	33.4	34.6	34.0
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)