

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: P568419

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

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568419
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-L950
Description: 2X2 4500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

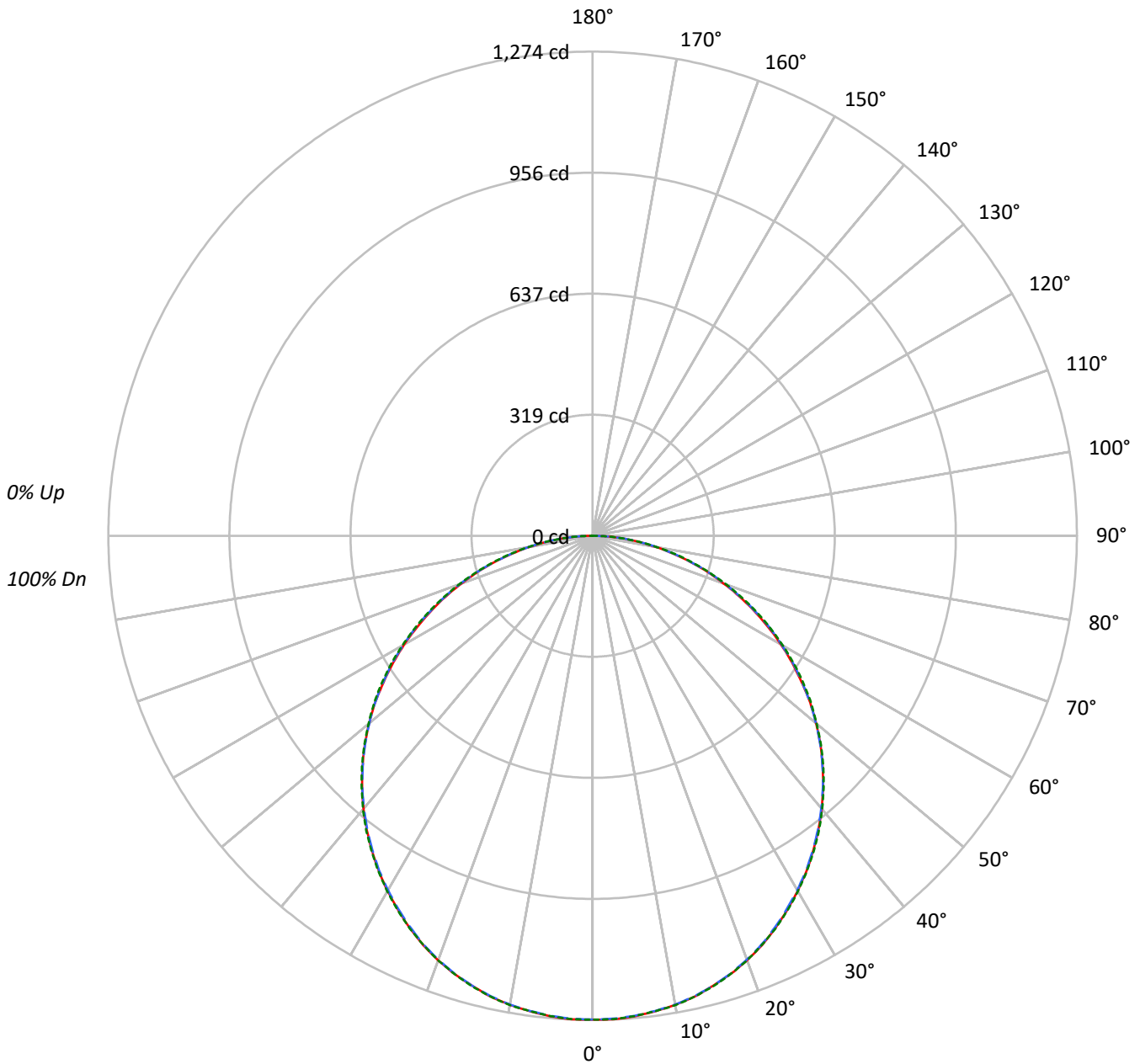
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3726.0 lumens
Efficiency: N/A
Efficacy: 99.4 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									
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°	3426	3426	3426
5°	3429	3425	3427
10°	3425	3422	3427
15°	3414	3414	3418
20°	3404	3399	3404
25°	3381	3373	3383
30°	3353	3345	3357
35°	3324	3318	3330
40°	3293	3287	3300
45°	3256	3254	3266
50°	3213	3211	3221
55°	3149	3157	3179
60°	3080	3093	3113
65°	2989	3009	3033
70°	2884	2914	2939
75°	2770	2790	2823
80°	2605	2634	2655
85°	2371	2390	2430



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.5	3.2
10°-20°	345.9	9.3
20°-30°	524.1	14.1
30°-40°	633.0	17.0
40°-50°	660.4	17.7
50°-60°	602.3	16.2
60°-70°	468.2	12.6
70°-80°	284.0	7.6
80°-90°	87.6	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°	990.6	26.6
0°-40°	1623.6	43.6
0°-60°	2886.3	77.5
0°-90°	3726.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3726.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1273	1273	1273	1273	1273	
5°	1269	1267	1268	1267	1269	121
15°	1226	1226	1226	1226	1227	346
25°	1139	1136	1136	1138	1139	525
35°	1012	1010	1010	1014	1014	633
45°	856	855	855	859	858	660
55°	671	672	673	675	678	600
65°	469	471	473	474	476	465
75°	266	266	268	271	272	282
85°	77	77	77	79	79	87
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1273.1	1273.1	1273.1	1273.1	1273.1
2.5°	1273.7	1271.8	1271.8	1271.2	1273.1
5°	1269.3	1267.4	1268.0	1267.4	1268.7
7.5°	1261.7	1260.4	1261.0	1260.4	1261.7
10°	1253.4	1252.2	1252.2	1252.2	1254.1
12.5°	1242.0	1240.7	1240.7	1240.7	1242.0
15°	1225.5	1225.5	1225.5	1225.5	1226.8
17.5°	1209.0	1207.1	1207.8	1207.1	1209.0
20°	1188.7	1186.2	1186.8	1186.8	1188.7
22.5°	1165.3	1162.7	1163.4	1163.4	1164.6
25°	1138.6	1136.1	1136.1	1138.0	1139.3
27.5°	1109.4	1107.5	1106.9	1110.1	1110.7
30°	1079.0	1077.7	1076.5	1079.6	1080.3
32.5°	1046.6	1045.4	1044.7	1047.9	1047.9
35°	1011.8	1010.5	1009.9	1013.7	1013.7
37.5°	975.6	975.0	973.7	977.5	978.1
40°	937.5	936.3	935.6	939.4	939.4
42.5°	897.6	896.3	896.9	900.1	899.5
45°	855.7	855.1	855.1	858.9	858.2
47.5°	812.6	811.3	811.9	815.7	814.5
50°	767.5	766.3	766.9	770.7	769.4
52.5°	721.2	720.0	721.2	725.0	725.0
55°	671.1	672.4	673.0	674.9	677.5
57.5°	622.3	622.9	625.4	626.7	628.6
60°	572.2	573.4	574.7	577.2	578.5
62.5°	520.8	522.7	526.5	526.5	527.8
65°	469.4	470.7	472.6	474.5	476.4
67.5°	418.7	419.3	422.5	423.1	425.0
70°	366.6	367.3	370.4	371.1	373.6
72.5°	317.2	316.5	319.1	322.2	322.2
75°	266.4	265.8	268.3	270.9	271.5
77.5°	216.9	216.3	218.2	221.4	221.4
80°	168.1	169.4	170.0	172.5	171.3
82.5°	121.2	121.8	122.4	124.3	123.1
85°	76.8	77.4	77.4	79.3	78.7
87.5°	36.2	35.5	35.5	36.8	36.2
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)