

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: P568399

Luminaire Tested: **22CGTX-45-L835**

Issue Date: 9/19/2022

**Test Information**

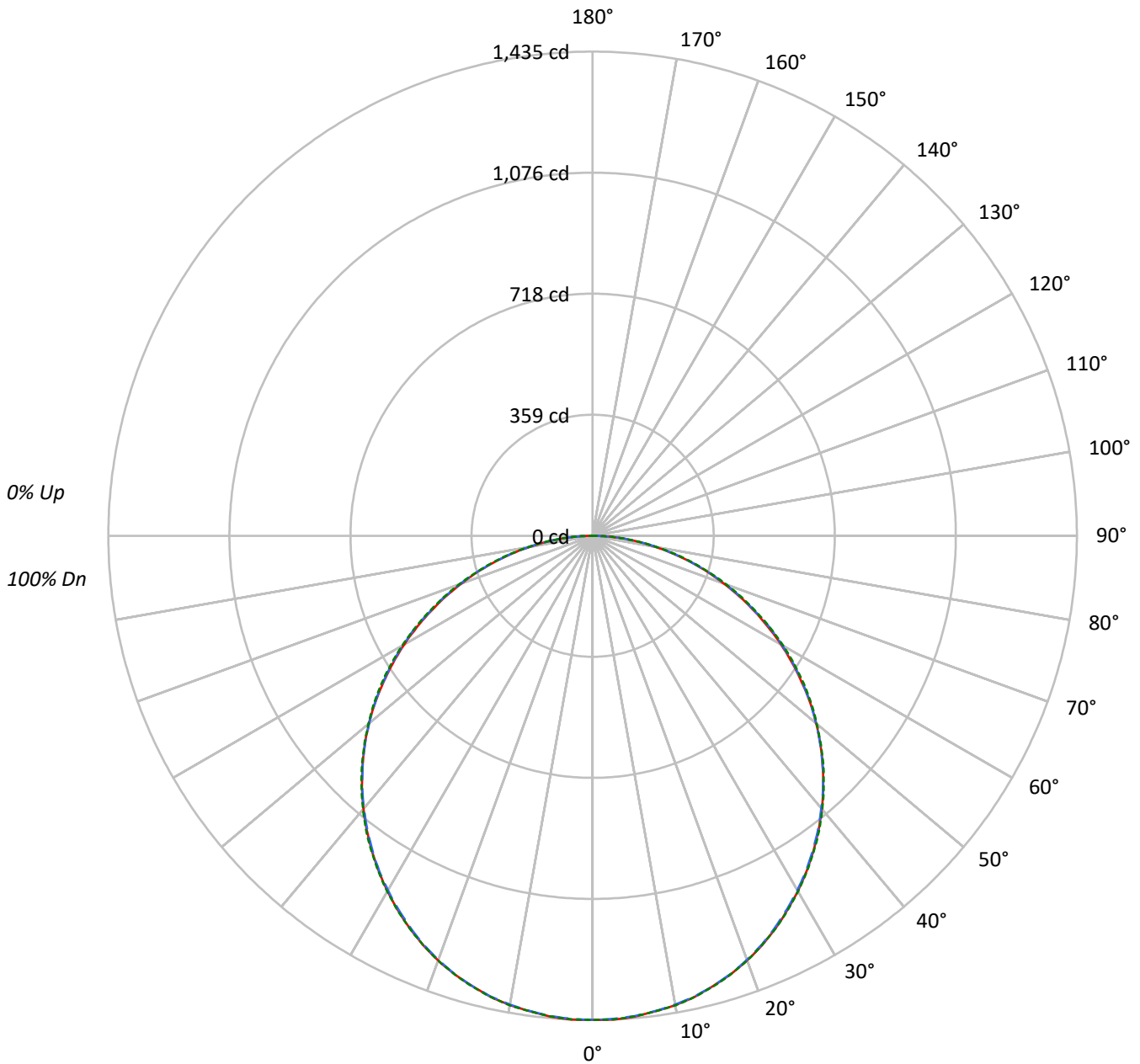
Test Method: LM-79-08  
Report Number: P568399  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CGTX-45-L835  
Description: 2X2 4500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4199.0 lumens  
Efficiency: N/A  
Efficacy: 112.0 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<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°	3861	3861	3861
5°	3864	3860	3862
10°	3860	3856	3862
15°	3848	3848	3852
20°	3836	3830	3836
25°	3810	3801	3812
30°	3778	3769	3783
35°	3746	3738	3753
40°	3712	3704	3719
45°	3670	3667	3681
50°	3621	3618	3630
55°	3548	3559	3582
60°	3470	3486	3508
65°	3368	3391	3419
70°	3251	3285	3312
75°	3121	3144	3182
80°	2935	2969	2991
85°	2671	2692	2736



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.8	3.2
10°-20°	389.8	9.3
20°-30°	590.7	14.1
30°-40°	713.4	17.0
40°-50°	744.3	17.7
50°-60°	678.8	16.2
60°-70°	527.6	12.6
70°-80°	320.0	7.6
80°-90°	98.7	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°	1116.3	26.6
0°-40°	1829.7	43.6
0°-60°	3252.7	77.5
0°-90°	4199.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4199.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1435	1435	1435	1435	1435	
5°	1430	1428	1429	1428	1430	136
15°	1381	1381	1381	1381	1382	390
25°	1283	1280	1280	1282	1284	591
35°	1140	1139	1138	1142	1142	713
45°	964	964	964	968	967	744
55°	756	758	758	761	764	677
65°	529	530	533	535	537	524
75°	300	300	302	305	306	317
85°	86	87	87	89	89	98
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1434.7	1434.7	1434.7	1434.7	1434.7
2.5°	1435.4	1433.3	1433.3	1432.6	1434.7
5°	1430.4	1428.3	1429.0	1428.3	1429.7
7.5°	1421.8	1420.4	1421.1	1420.4	1421.8
10°	1412.6	1411.1	1411.1	1411.1	1413.3
12.5°	1399.7	1398.3	1398.3	1398.3	1399.7
15°	1381.1	1381.1	1381.1	1381.1	1382.5
17.5°	1362.5	1360.4	1361.1	1360.4	1362.5
20°	1339.6	1336.8	1337.5	1337.5	1339.6
22.5°	1313.2	1310.3	1311.0	1311.0	1312.5
25°	1283.2	1280.3	1280.3	1282.4	1283.9
27.5°	1250.3	1248.1	1247.4	1251.0	1251.7
30°	1216.0	1214.5	1213.1	1216.7	1217.4
32.5°	1179.5	1178.1	1177.4	1180.9	1180.9
35°	1140.2	1138.8	1138.0	1142.3	1142.3
37.5°	1099.4	1098.7	1097.3	1101.6	1102.3
40°	1056.6	1055.1	1054.4	1058.7	1058.7
42.5°	1011.5	1010.1	1010.8	1014.4	1013.7
45°	964.3	963.6	963.6	967.9	967.2
47.5°	915.7	914.3	915.0	919.3	917.9
50°	865.0	863.5	864.3	868.5	867.1
52.5°	812.8	811.4	812.8	817.1	817.1
55°	756.3	757.7	758.5	760.6	763.5
57.5°	701.3	702.0	704.8	706.3	708.4
60°	644.8	646.2	647.7	650.5	651.9
62.5°	586.9	589.0	593.3	593.3	594.8
65°	529.0	530.4	532.6	534.7	536.9
67.5°	471.8	472.5	476.1	476.8	479.0
70°	413.2	413.9	417.5	418.2	421.0
72.5°	357.4	356.7	359.6	363.1	363.1
75°	300.2	299.5	302.4	305.2	306.0
77.5°	244.5	243.8	245.9	249.5	249.5
80°	189.4	190.9	191.6	194.4	193.0
82.5°	136.5	137.3	138.0	140.1	138.7
85°	86.5	87.2	87.2	89.4	88.6
87.5°	40.7	40.0	40.0	41.5	40.7
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)