

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: P568355

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

Issue Date: 9/19/2022

**Test Information**

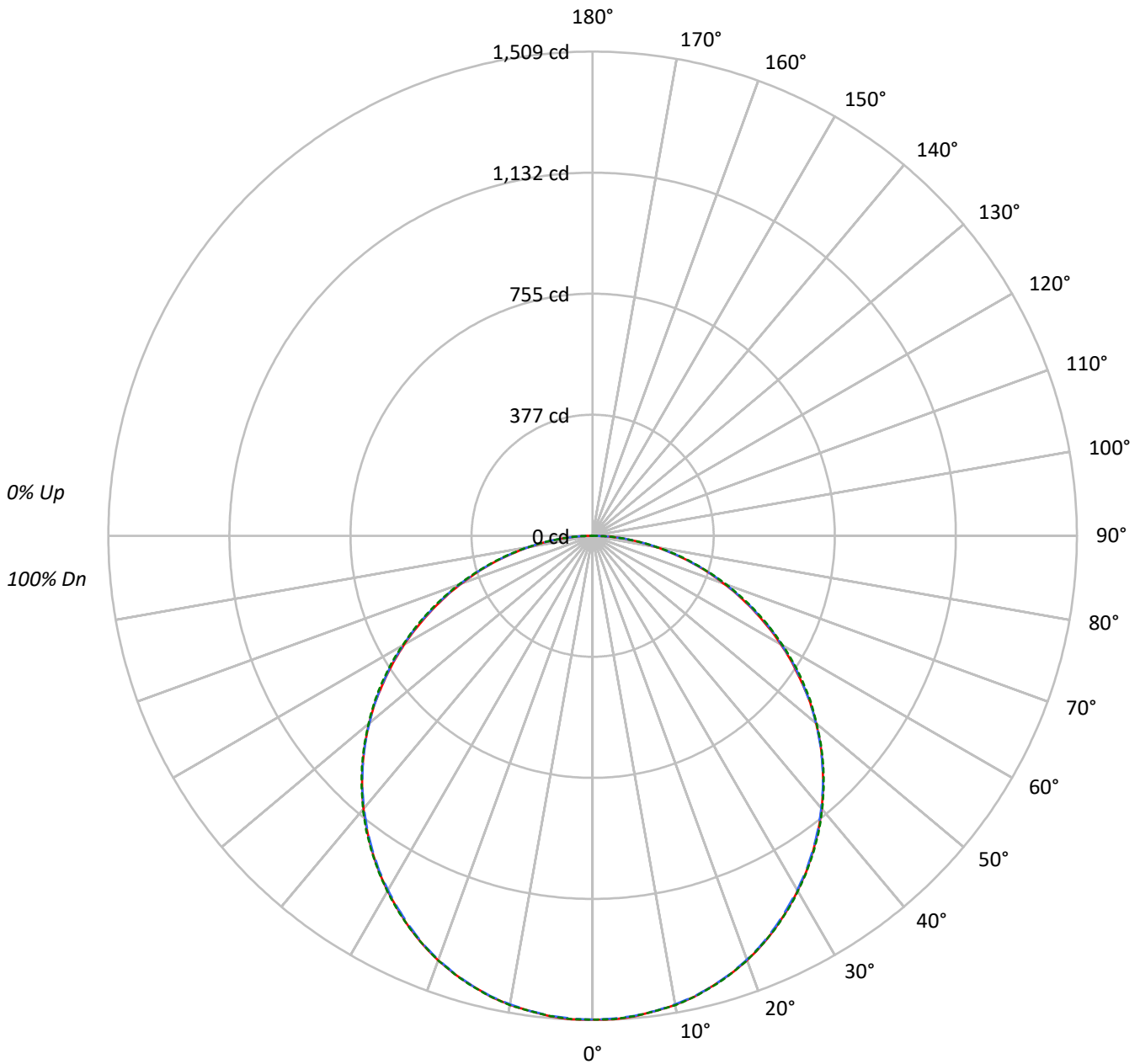
Test Method: LM-79-08  
Report Number: P568355  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CGTX-45HE-L835  
Description: 2X2 4500 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4413.0 lumens  
Efficiency: N/A  
Efficacy: 121.9 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				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°	4057	4057	4057
5°	4061	4057	4059
10°	4056	4052	4059
15°	4044	4044	4048
20°	4032	4025	4032
25°	4004	3995	4006
30°	3971	3961	3975
35°	3937	3929	3944
40°	3901	3893	3909
45°	3857	3854	3868
50°	3806	3803	3815
55°	3729	3740	3765
60°	3647	3663	3688
65°	3540	3564	3592
70°	3416	3452	3482
75°	3280	3304	3344
80°	3085	3119	3143
85°	2807	2831	2878



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.7	3.2
10°-20°	409.7	9.3
20°-30°	620.8	14.1
30°-40°	749.7	17.0
40°-50°	782.2	17.7
50°-60°	713.4	16.2
60°-70°	554.5	12.6
70°-80°	336.3	7.6
80°-90°	103.7	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°	1173.2	26.6
0°-40°	1922.9	43.6
0°-60°	3418.5	77.5
0°-90°	4413.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4413.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1508	1508	1508	1508	1508	
5°	1503	1501	1502	1501	1503	143
15°	1452	1452	1452	1452	1453	410
25°	1349	1346	1346	1348	1349	621
35°	1198	1197	1196	1201	1201	750
45°	1014	1013	1013	1017	1016	782
55°	795	796	797	799	802	711
65°	556	558	560	562	564	550
75°	316	315	318	321	322	334
85°	91	92	92	94	93	103
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1507.8	1507.8	1507.8	1507.8	1507.8
2.5°	1508.6	1506.3	1506.3	1505.6	1507.8
5°	1503.3	1501.1	1501.8	1501.1	1502.6
7.5°	1494.3	1492.8	1493.6	1492.8	1494.3
10°	1484.5	1483.0	1483.0	1483.0	1485.3
12.5°	1471.0	1469.5	1469.5	1469.5	1471.0
15°	1451.5	1451.5	1451.5	1451.5	1453.0
17.5°	1432.0	1429.7	1430.4	1429.7	1432.0
20°	1407.9	1404.9	1405.7	1405.7	1407.9
22.5°	1380.1	1377.1	1377.9	1377.9	1379.4
25°	1348.6	1345.6	1345.6	1347.8	1349.3
27.5°	1314.0	1311.7	1311.0	1314.8	1315.5
30°	1277.9	1276.4	1274.9	1278.7	1279.4
32.5°	1239.6	1238.1	1237.4	1241.1	1241.1
35°	1198.3	1196.8	1196.0	1200.6	1200.6
37.5°	1155.5	1154.7	1153.2	1157.7	1158.5
40°	1110.4	1108.9	1108.1	1112.7	1112.7
42.5°	1063.1	1061.6	1062.3	1066.1	1065.3
45°	1013.5	1012.7	1012.7	1017.2	1016.5
47.5°	962.4	960.9	961.6	966.2	964.7
50°	909.1	907.6	908.3	912.8	911.3
52.5°	854.2	852.7	854.2	858.7	858.7
55°	794.9	796.4	797.1	799.4	802.4
57.5°	737.0	737.8	740.8	742.3	744.5
60°	677.7	679.2	680.7	683.7	685.2
62.5°	616.8	619.1	623.6	623.6	625.1
65°	556.0	557.5	559.7	562.0	564.2
67.5°	495.8	496.6	500.4	501.1	503.4
70°	434.2	435.0	438.8	439.5	442.5
72.5°	375.6	374.9	377.9	381.7	381.7
75°	315.5	314.8	317.8	320.8	321.6
77.5°	256.9	256.2	258.4	262.2	262.2
80°	199.1	200.6	201.3	204.3	202.8
82.5°	143.5	144.2	145.0	147.3	145.7
85°	90.9	91.7	91.7	93.9	93.2
87.5°	42.8	42.1	42.1	43.6	42.8
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)