

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: P568398

Luminaire Tested: **22CGTX-35-L835**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568398
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-35-L835
Description: 2X2 3500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

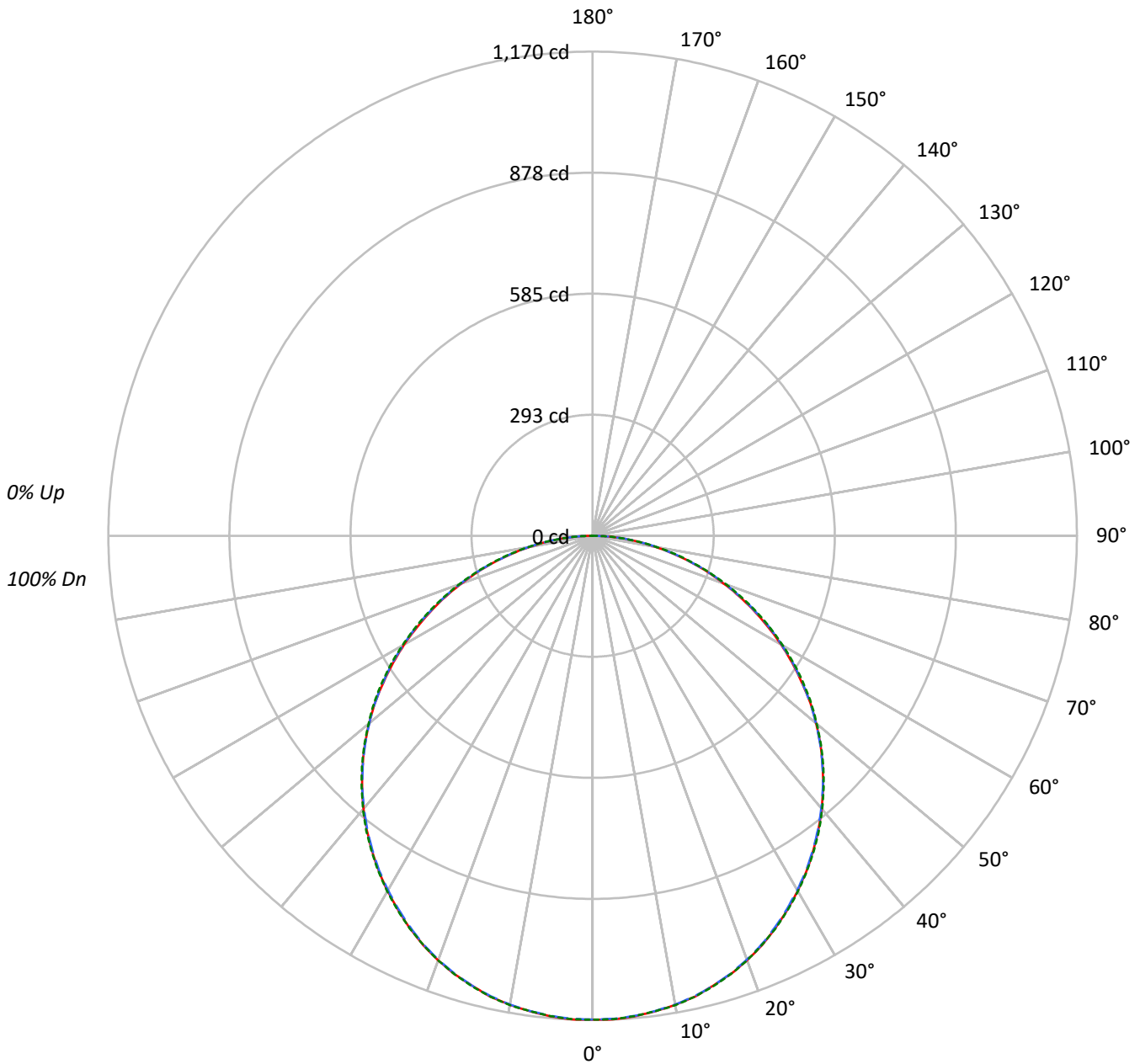
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3422.0 lumens
Efficiency: N/A
Efficacy: 122.7 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): 27.9
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°	3146	3146	3146
5°	3149	3146	3147
10°	3146	3142	3147
15°	3136	3136	3139
20°	3126	3121	3126
25°	3105	3098	3107
30°	3079	3072	3083
35°	3052	3047	3058
40°	3025	3019	3031
45°	2991	2989	3000
50°	2951	2948	2959
55°	2892	2900	2919
60°	2828	2841	2859
65°	2745	2763	2786
70°	2649	2677	2699
75°	2544	2562	2592
80°	2393	2419	2438
85°	2177	2195	2229



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.7	3.2
10°-20°	317.7	9.3
20°-30°	481.4	14.1
30°-40°	581.4	17.0
40°-50°	606.6	17.7
50°-60°	553.2	16.2
60°-70°	429.9	12.6
70°-80°	260.8	7.6
80°-90°	80.4	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°	909.7	26.6
0°-40°	1491.1	43.6
0°-60°	2650.8	77.5
0°-90°	3422.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3422.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1169	1169	1169	1169	1169	
5°	1166	1164	1165	1164	1165	111
15°	1126	1126	1126	1126	1127	318
25°	1046	1043	1043	1045	1046	482
35°	929	928	928	931	931	581
45°	786	785	785	789	788	606
55°	616	618	618	620	622	551
65°	431	432	434	436	438	427
75°	245	244	246	249	249	259
85°	70	71	71	73	72	79
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1169.2	1169.2	1169.2	1169.2	1169.2
2.5°	1169.8	1168.1	1168.1	1167.5	1169.2
5°	1165.7	1164.0	1164.6	1164.0	1165.1
7.5°	1158.7	1157.6	1158.2	1157.6	1158.7
10°	1151.2	1150.0	1150.0	1150.0	1151.8
12.5°	1140.7	1139.5	1139.5	1139.5	1140.7
15°	1125.5	1125.5	1125.5	1125.5	1126.7
17.5°	1110.4	1108.6	1109.2	1108.6	1110.4
20°	1091.7	1089.4	1090.0	1090.0	1091.7
22.5°	1070.2	1067.9	1068.4	1068.4	1069.6
25°	1045.7	1043.4	1043.4	1045.1	1046.3
27.5°	1018.9	1017.2	1016.6	1019.5	1020.1
30°	991.0	989.8	988.6	991.5	992.1
32.5°	961.2	960.1	959.5	962.4	962.4
35°	929.2	928.0	927.5	931.0	931.0
37.5°	896.0	895.4	894.3	897.7	898.3
40°	861.0	859.9	859.3	862.8	862.8
42.5°	824.3	823.2	823.8	826.7	826.1
45°	785.9	785.3	785.3	788.8	788.2
47.5°	746.3	745.1	745.7	749.2	748.0
50°	704.9	703.8	704.3	707.8	706.7
52.5°	662.4	661.2	662.4	665.9	665.9
55°	616.4	617.5	618.1	619.9	622.2
57.5°	571.5	572.1	574.4	575.6	577.3
60°	525.5	526.6	527.8	530.1	531.3
62.5°	478.3	480.0	483.5	483.5	484.7
65°	431.1	432.3	434.0	435.8	437.5
67.5°	384.5	385.1	388.0	388.6	390.3
70°	336.7	337.3	340.2	340.8	343.1
72.5°	291.3	290.7	293.0	295.9	295.9
75°	244.7	244.1	246.4	248.8	249.3
77.5°	199.2	198.7	200.4	203.3	203.3
80°	154.4	155.5	156.1	158.5	157.3
82.5°	111.3	111.9	112.4	114.2	113.0
85°	70.5	71.1	71.1	72.8	72.2
87.5°	33.2	32.6	32.6	33.8	33.2
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)