

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1586605

Luminaire Tested: 22CZSP-A-35-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1586605
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2605-772-10)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CZSP-A-35-L935
Description: 2x2 CZSP LED Luminaire, 3500K CCT and 3500 lumens, 90CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

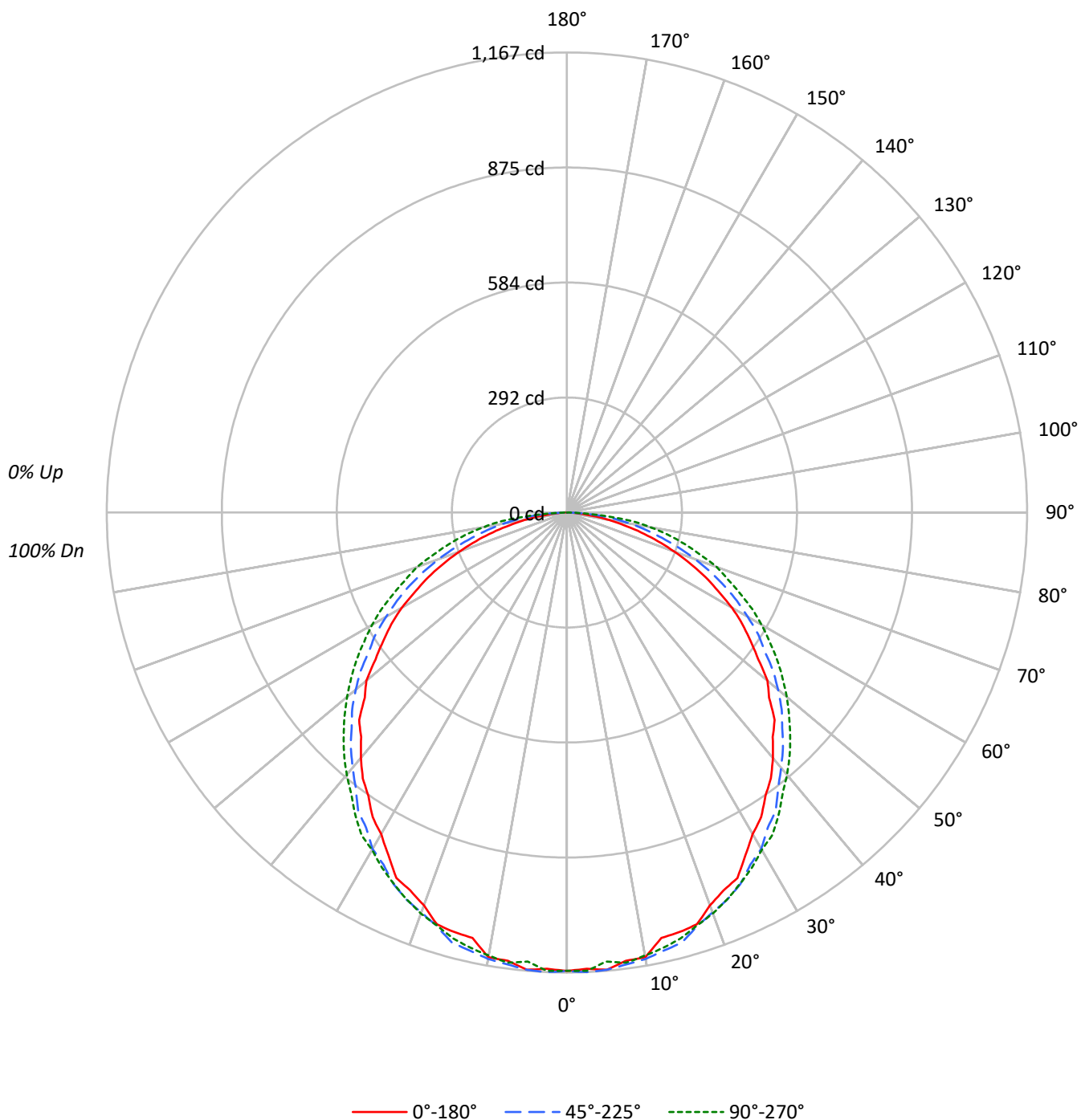
Lumens per Lamp: N/A
Luminaire Lumens: 3395.0 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.88' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): 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: 24 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	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	93	90		93	90	88		89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74		81	76	72		78	74	71	68
3	89	79	70	63	87	77	69	63	74	67	62		71	65	61		69	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52		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	44	39		50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35		47	40	35		45	39	34	32
8	60	46	37	31	58	45	37	31	44	37	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25		37	30	25		36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3641	3641	3641
5°	3659	3659	3593
10°	3642	3656	3628
15°	3572	3659	3624
20°	3535	3597	3607
25°	3535	3595	3590
30°	3406	3563	3573
35°	3354	3529	3579
40°	3321	3454	3548
45°	3299	3418	3546
50°	3234	3404	3544
55°	3103	3340	3553
60°	3029	3315	3573
65°	2876	3267	3583
70°	2651	3162	3705
75°	2357	3022	3741
80°	1958	2965	3877
85°	1196	2655	3277

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 4014 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.3	3.2
10°-20°	315.1	9.3
20°-30°	475.2	14.0
30°-40°	570.8	16.8
40°-50°	595.8	17.6
50°-60°	548.6	16.2
60°-70°	433.2	12.8
70°-80°	266.8	7.9
80°-90°	79.1	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°	900.6	26.5
0°-40°	1471.4	43.3
0°-60°	2615.9	77.1
0°-90°	3395.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3395.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1163	1163	1163	1163	1163	
5°	1164	1153	1164	1166	1143	110
15°	1102	1117	1129	1124	1118	311
25°	1023	1030	1040	1036	1039	466
35°	878	893	923	928	936	551
45°	745	751	772	788	801	570
55°	568	584	612	639	651	510
65°	388	402	441	473	484	382
75°	195	214	250	290	309	207
85°	33	48	74	88	91	45
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1162.8	1162.8	1162.8	1162.8	1162.8
2.5°	1158.4	1170.8	1167.1	1169.3	1163.5
5°	1164.2	1152.7	1164.2	1165.7	1143.2
7.5°	1146.9	1148.3	1156.3	1158.4	1151.9
10°	1145.4	1149.8	1149.8	1142.5	1141.1
12.5°	1105.6	1127.3	1138.2	1143.2	1130.9
15°	1102.0	1117.2	1128.8	1123.7	1117.9
17.5°	1095.5	1091.1	1099.1	1104.9	1098.3
20°	1060.7	1067.9	1079.5	1081.0	1082.4
22.5°	1037.5	1039.7	1062.9	1065.0	1062.1
25°	1023.0	1030.3	1040.4	1036.1	1039.0
27.5°	980.3	997.7	1007.1	1015.8	1015.8
30°	942.0	962.2	985.4	988.3	988.3
32.5°	916.6	930.4	947.8	953.5	969.5
35°	877.5	893.4	923.1	927.5	936.2
37.5°	850.0	865.9	879.7	894.9	898.5
40°	812.4	829.0	844.9	862.3	868.1
42.5°	772.5	789.9	810.9	829.0	836.3
45°	745.0	750.8	771.8	788.5	800.8
47.5°	695.1	711.7	738.5	759.5	764.6
50°	663.9	670.4	698.7	726.9	727.6
52.5°	611.8	631.4	658.9	685.7	689.3
55°	568.4	583.6	611.8	639.3	650.9
57.5°	527.8	539.4	575.6	603.1	609.6
60°	483.6	496.0	529.3	561.1	570.5
62.5°	432.2	449.6	485.8	516.2	529.3
65°	388.1	401.8	440.9	472.8	483.6
67.5°	338.1	356.9	393.9	429.3	440.9
70°	289.6	308.4	345.4	382.3	404.7
72.5°	241.8	261.4	298.3	341.0	353.3
75°	194.8	213.6	249.8	289.6	309.2
77.5°	148.4	168.7	205.6	245.4	264.3
80°	108.6	124.5	164.4	199.1	215.0
82.5°	67.3	84.0	120.9	153.5	167.3
85°	33.3	47.8	73.9	87.6	91.2
87.5°	10.1	15.2	23.2	30.4	34.8
90°	0.0	0.0	0.0	0.0	0.0

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	15.96	17.62	16.32	17.93	18.25	16.78	18.44	17.14	18.76	19.07
	3H	17.71	19.22	18.09	19.54	19.90	18.93	20.43	19.30	20.76	21.12
	4H	18.32	19.75	18.72	20.09	20.47	19.84	21.26	20.24	21.61	21.98
	6H	18.73	20.05	19.14	20.41	20.80	20.64	21.96	21.05	22.33	22.72
	8H	18.83	20.09	19.25	20.48	20.88	20.96	22.23	21.39	22.62	23.01
	12H	18.87	20.09	19.30	20.47	20.90	21.17	22.38	21.60	22.76	23.19
4H	2H	16.75	18.17	17.14	18.52	18.89	17.38	18.81	17.78	19.15	19.53
	3H	18.72	19.92	19.13	20.32	20.72	19.76	20.96	20.17	21.36	21.76
	4H	19.45	20.54	19.88	20.95	21.39	20.83	21.92	21.26	22.33	22.77
	6H	19.97	20.93	20.42	21.36	21.82	21.80	22.75	22.25	23.19	23.64
	8H	20.11	21.00	20.57	21.45	21.91	22.20	23.09	22.65	23.53	23.99
	12H	20.19	20.99	20.67	21.47	21.93	22.46	23.27	22.94	23.74	24.21
8H	4H	19.92	20.81	20.38	21.25	21.72	21.12	22.01	21.58	22.45	22.92
	6H	20.57	21.32	21.07	21.80	22.28	22.25	22.99	22.74	23.48	23.95
	8H	20.78	21.45	21.29	21.95	22.44	22.75	23.42	23.26	23.93	24.41
	12H	20.91	21.50	21.41	21.99	22.55	23.12	23.71	23.63	24.20	24.76
12H	4H	20.01	20.81	20.49	21.29	21.76	21.15	21.95	21.62	22.42	22.89
	6H	20.71	21.38	21.22	21.89	22.37	22.29	22.96	22.80	23.47	23.95
	8H	20.99	21.58	21.49	22.07	22.63	22.87	23.46	23.37	23.95	24.51