

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: P1584234

Luminaire Tested: 14CZSP-35-L835-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584234
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-35-L835-S
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 3000 lumens, 80CRI, Smooth Lens
Light Source: -
Ballast/Driver: -

Summary

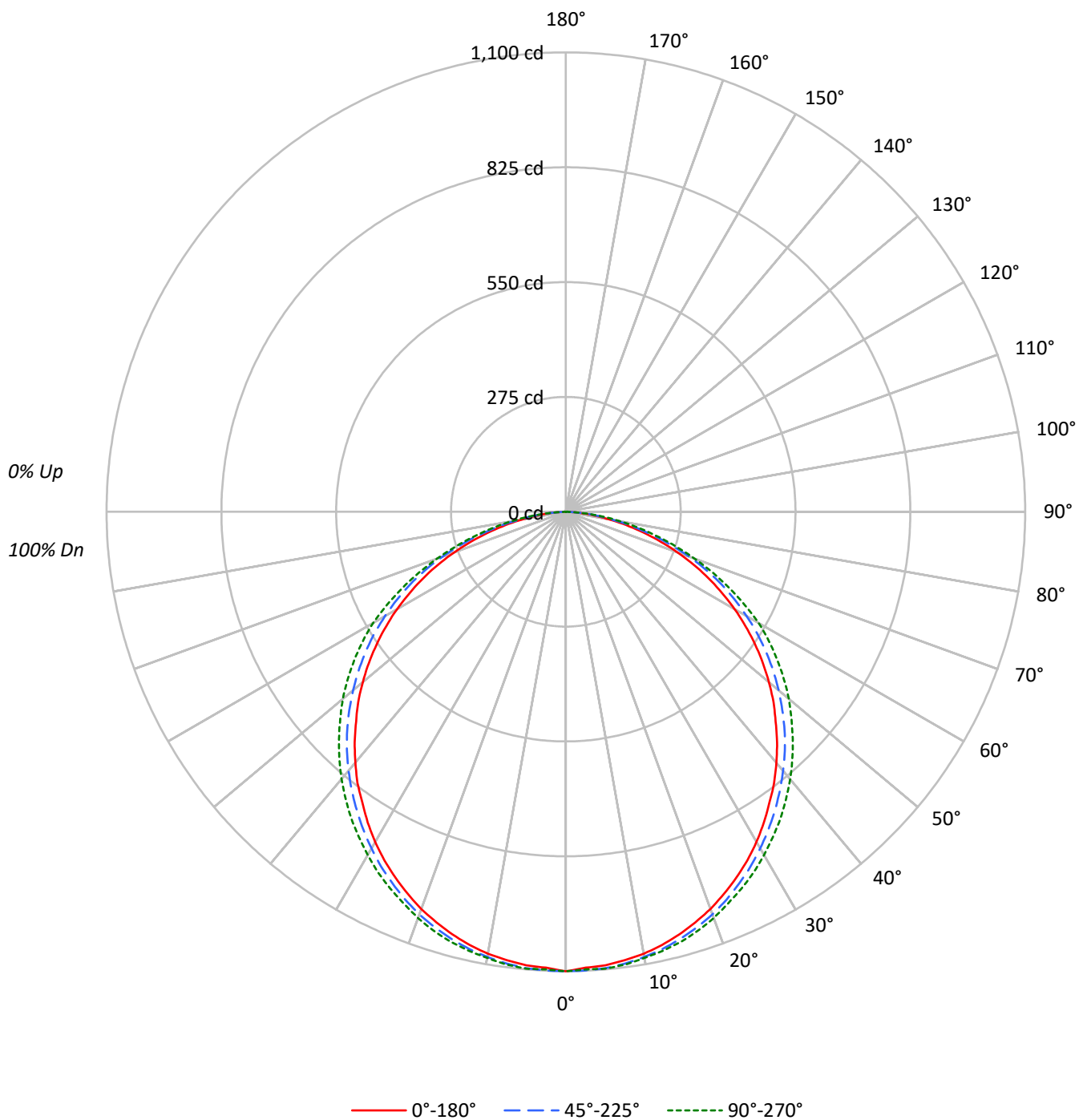
Lumens per Lamp: N/A
Luminaire Lumens: 3181.0 lumens
Efficiency: N/A
Efficacy: 137.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 23.2
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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	104	100	96	106	102	98	94	97	94	91		93	91	88		90
2	99	90	83	78	96	88	82	77	85	80	75		82	77	73		79
3	90	79	71	64	87	78	70	64	75	68	63		72	66	62		69
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62
5	76	63	53	47	73	61	53	46	59	52	46		57	51	45		55
6	70	56	47	41	68	55	47	41	53	46	40		52	45	40		50
7	65	51	42	36	63	50	42	36	49	41	35		47	40	35		46
8	60	46	38	32	59	46	38	32	44	37	32		43	36	31		42
9	56	43	34	29	55	42	34	29	41	34	28		40	33	28		39
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3708	3708	3708
5°	3687	3711	3714
10°	3677	3704	3712
15°	3656	3693	3719
20°	3630	3679	3712
25°	3593	3651	3701
30°	3552	3622	3693
35°	3496	3590	3687
40°	3450	3561	3676
45°	3385	3530	3661
50°	3328	3488	3655
55°	3249	3438	3631
60°	3149	3370	3594
65°	3009	3278	3446
70°	2805	3095	3233
75°	2505	2791	2950
80°	2053	2354	2581
85°	1376	1720	1918

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3661 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.2	3.3
10°-20°	298.8	9.4
20°-30°	452.4	14.2
30°-40°	546.3	17.2
40°-50°	570.9	17.9
50°-60°	523.1	16.4
60°-70°	403.8	12.7
70°-80°	227.1	7.1
80°-90°	54.3	1.7
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°	855.3	26.9
0°-40°	1401.6	44.1
0°-60°	2495.7	78.5
0°-90°	3181.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3181.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1100	1100	1100	1100	1100	
5°	1090	1098	1097	1098	1098	104
15°	1048	1056	1059	1063	1066	296
25°	966	975	982	987	995	445
35°	850	861	873	884	896	532
45°	710	724	741	756	768	549
55°	553	568	585	604	618	494
65°	377	394	411	428	432	373
75°	192	210	214	223	227	204
85°	36	41	44	49	50	46
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1100.3	1100.3	1100.3	1100.3	1100.3
2.5°	1092.8	1101.2	1099.4	1102.2	1097.0
5°	1090.0	1098.0	1097.0	1098.0	1098.0
7.5°	1083.0	1091.4	1090.9	1092.4	1093.3
10°	1074.6	1082.5	1082.5	1083.9	1084.9
12.5°	1062.9	1071.3	1072.2	1074.6	1076.4
15°	1047.9	1056.3	1058.6	1062.9	1066.1
17.5°	1031.0	1039.9	1043.7	1047.9	1052.1
20°	1012.3	1020.2	1025.9	1029.1	1035.2
22.5°	990.3	999.2	1005.3	1008.5	1015.1
25°	966.4	974.8	981.9	987.0	995.4
27.5°	941.1	949.5	958.0	964.1	973.9
30°	913.0	921.9	930.8	940.2	949.1
32.5°	882.6	892.9	902.7	913.0	922.9
35°	849.8	860.6	872.8	884.5	896.2
37.5°	819.4	829.2	841.9	854.5	866.2
40°	784.3	795.0	809.5	823.6	835.8
42.5°	748.7	760.4	776.3	789.9	803.0
45°	710.3	724.3	740.7	755.7	768.3
47.5°	674.7	686.9	703.3	719.6	732.8
50°	634.9	648.5	665.3	682.7	697.2
52.5°	594.6	608.7	626.0	643.3	658.3
55°	553.0	567.5	585.3	603.5	618.0
57.5°	510.4	525.8	544.1	562.3	576.8
60°	467.3	482.7	500.1	520.2	533.3
62.5°	422.3	439.7	456.0	474.8	482.7
65°	377.4	393.8	411.1	427.5	432.2
67.5°	331.5	348.4	363.8	374.6	380.7
70°	284.7	302.9	314.2	324.5	328.2
72.5°	238.3	256.6	263.1	273.0	276.7
75°	192.4	210.2	214.4	223.3	226.6
77.5°	148.0	164.3	165.7	176.0	178.9
80°	105.8	118.9	121.3	131.1	133.0
82.5°	67.9	77.3	80.5	89.0	91.8
85°	35.6	40.7	44.5	48.7	49.6
87.5°	11.7	14.5	12.2	12.6	11.7
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	16.27	17.92	16.63	18.23	18.54	16.80	18.45	17.17	18.77	19.08
	3H	18.04	19.53	18.42	19.86	20.22	18.66	20.16	19.04	20.48	20.84
	4H	18.67	20.07	19.06	20.42	20.80	19.33	20.74	19.73	21.08	21.46
	6H	19.08	20.38	19.49	20.74	21.13	19.81	21.11	20.22	21.48	21.87
	8H	19.18	20.43	19.60	20.81	21.21	19.95	21.20	20.38	21.59	21.99
	12H	19.23	20.42	19.66	20.80	21.23	20.04	21.23	20.47	21.61	22.04
4H	2H	16.99	18.40	17.39	18.74	19.12	17.41	18.82	17.81	19.17	19.54
	3H	18.98	20.16	19.39	20.56	20.96	19.48	20.66	19.89	21.06	21.46
	4H	19.74	20.81	20.17	21.22	21.66	20.28	21.35	20.71	21.76	22.20
	6H	20.27	21.20	20.72	21.64	22.10	20.88	21.82	21.34	22.26	22.71
	8H	20.41	21.28	20.87	21.72	22.19	21.07	21.95	21.53	22.39	22.85
	12H	20.49	21.27	20.97	21.75	22.22	21.19	21.98	21.67	22.45	22.92
8H	4H	20.08	20.95	20.54	21.39	21.86	20.56	21.43	21.01	21.87	22.34
	6H	20.72	21.44	21.21	21.93	22.41	21.27	21.99	21.76	22.48	22.96
	8H	20.92	21.57	21.43	22.08	22.56	21.53	22.18	22.03	22.68	23.17
	12H	21.05	21.62	21.55	22.11	22.67	21.71	22.28	22.21	22.77	23.33
12H	4H	20.12	20.90	20.59	21.38	21.84	20.58	21.36	21.06	21.84	22.31
	6H	20.77	21.43	21.28	21.93	22.42	21.30	21.96	21.81	22.46	22.95
	8H	21.03	21.60	21.53	22.09	22.65	21.61	22.19	22.12	22.68	23.24