

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: P1585644

Luminaire Tested: 14CZSP-SB-35-L935-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585644
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-SB-35-L935-S
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 3000 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

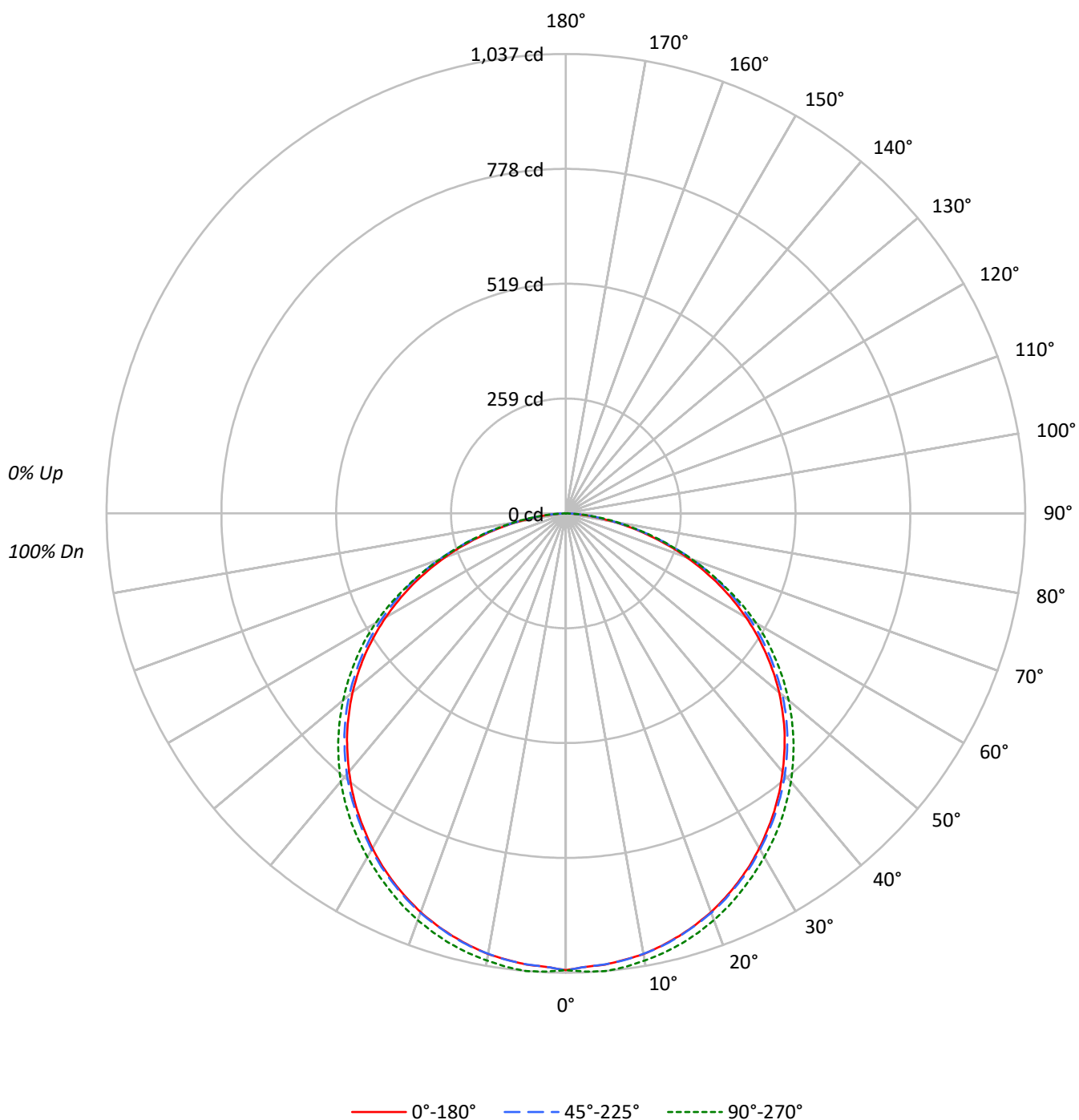
Lumens per Lamp: N/A
Luminaire Lumens: 3043.0 lumens
Efficiency: N/A
Efficacy: 131.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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	99	96	106	102	98	94	97	94	91		93	91	88		90
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55
6	70	56	47	40	68	55	46	40	53	46	40		52	45	40		50
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		46
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42
9	56	42	34	28	55	42	34	28	41	33	28		40	33	28		39
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3475	3475	3475
5°	3458	3456	3508
10°	3456	3455	3507
15°	3446	3449	3509
20°	3435	3442	3504
25°	3418	3427	3493
30°	3397	3412	3486
35°	3375	3397	3485
40°	3349	3384	3478
45°	3329	3370	3464
50°	3295	3347	3441
55°	3244	3304	3408
60°	3165	3247	3347
65°	3047	3161	3195
70°	2865	2998	2979
75°	2573	2682	2700
80°	2125	2233	2350
85°	1423	1659	1748

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3464 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.7	3.2
10°-20°	280.9	9.2
20°-30°	427.8	14.1
30°-40°	520.6	17.1
40°-50°	548.9	18.0
50°-60°	505.5	16.6
60°-70°	390.4	12.8
70°-80°	218.5	7.2
80°-90°	52.7	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°	806.4	26.5
0°-40°	1327.1	43.6
0°-60°	2381.4	78.3
0°-90°	3043.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3043.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1031	1031	1031	1031	1031	
5°	1022	1037	1022	1023	1037	97
15°	988	1001	989	994	1006	279
25°	919	932	922	928	939	424
35°	820	833	826	836	847	513
45°	698	708	707	718	727	538
55°	552	562	562	574	580	493
65°	382	393	396	400	401	377
75°	198	210	206	206	207	209
85°	37	40	43	48	45	47
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1031.2	1031.2	1031.2	1031.2	1031.2
2.5°	1024.6	1039.5	1024.6	1027.0	1035.4
5°	1022.3	1036.8	1021.8	1023.2	1037.2
7.5°	1016.3	1031.2	1017.2	1019.0	1032.6
10°	1010.2	1023.7	1009.7	1012.1	1025.1
12.5°	999.9	1013.9	1000.9	1003.7	1016.7
15°	987.8	1001.3	988.8	994.4	1006.0
17.5°	973.8	986.9	974.8	981.3	992.5
20°	958.0	970.6	959.9	964.5	977.1
22.5°	939.4	952.4	942.2	946.4	959.9
25°	919.3	932.4	921.7	927.7	939.4
27.5°	897.4	910.0	900.7	908.1	918.4
30°	873.2	885.3	876.9	885.8	896.0
32.5°	847.1	860.2	851.8	862.0	872.3
35°	820.5	832.7	825.7	835.9	847.1
37.5°	791.7	803.3	798.2	808.9	819.2
40°	761.4	774.4	769.3	780.5	790.7
42.5°	730.2	742.7	738.5	750.2	759.0
45°	698.5	708.3	707.3	718.0	726.9
47.5°	663.5	675.6	673.8	684.5	692.4
50°	628.6	638.4	638.4	648.6	656.5
52.5°	590.8	600.6	600.6	612.7	619.3
55°	552.2	561.5	562.4	574.1	580.1
57.5°	511.2	520.9	522.8	534.5	540.0
60°	469.7	479.0	481.8	493.4	496.7
62.5°	426.3	437.5	438.9	448.2	450.1
65°	382.1	393.3	396.5	400.3	400.7
67.5°	336.9	348.5	351.8	351.8	351.8
70°	290.8	301.5	304.3	302.4	302.4
72.5°	244.2	255.8	254.4	252.5	253.5
75°	197.6	209.7	206.0	205.5	207.4
77.5°	152.8	164.5	158.4	162.2	162.6
80°	109.5	118.4	115.1	120.7	121.1
82.5°	70.4	76.0	76.9	81.5	80.1
85°	36.8	40.5	42.9	48.0	45.2
87.5°	11.6	15.4	14.0	16.3	12.6
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	16.36	18.02	16.73	18.33	18.65	16.58	18.23	16.94	18.55	18.86
	3H	18.18	19.68	18.56	20.01	20.37	18.38	19.88	18.76	20.20	20.56
	4H	18.83	20.24	19.23	20.59	20.96	19.02	20.43	19.41	20.78	21.15
	6H	19.26	20.57	19.67	20.93	21.32	19.47	20.78	19.88	21.14	21.53
	8H	19.37	20.62	19.79	21.01	21.41	19.60	20.85	20.03	21.24	21.64
	12H	19.42	20.62	19.85	21.00	21.43	19.68	20.88	20.11	21.26	21.69
4H	2H	17.04	18.45	17.44	18.80	19.18	17.21	18.62	17.61	18.97	19.35
	3H	19.08	20.27	19.49	20.66	21.06	19.22	20.41	19.63	20.81	21.21
	4H	19.86	20.93	20.29	21.35	21.78	19.98	21.06	20.41	21.47	21.90
	6H	20.41	21.35	20.86	21.79	22.24	20.56	21.49	21.01	21.93	22.39
	8H	20.56	21.44	21.02	21.88	22.34	20.73	21.61	21.19	22.05	22.52
	12H	20.64	21.43	21.12	21.90	22.37	20.85	21.63	21.32	22.11	22.58
8H	4H	20.17	21.05	20.63	21.49	21.95	20.28	21.15	20.74	21.60	22.06
	6H	20.83	21.56	21.32	22.05	22.52	20.96	21.69	21.45	22.18	22.65
	8H	21.03	21.69	21.54	22.19	22.68	21.20	21.85	21.71	22.36	22.84
	12H	21.17	21.75	21.68	22.24	22.80	21.37	21.95	21.88	22.44	23.00
12H	4H	20.20	20.99	20.68	21.46	21.93	20.31	21.09	20.79	21.57	22.04
	6H	20.87	21.53	21.38	22.03	22.52	21.00	21.66	21.51	22.16	22.65
	8H	21.13	21.71	21.64	22.20	22.76	21.29	21.87	21.80	22.36	22.92