

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: P1585634

Luminaire Tested: 14CZSP-SB-35-L835-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585634
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-L835-S
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 3000 lumens, 80CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

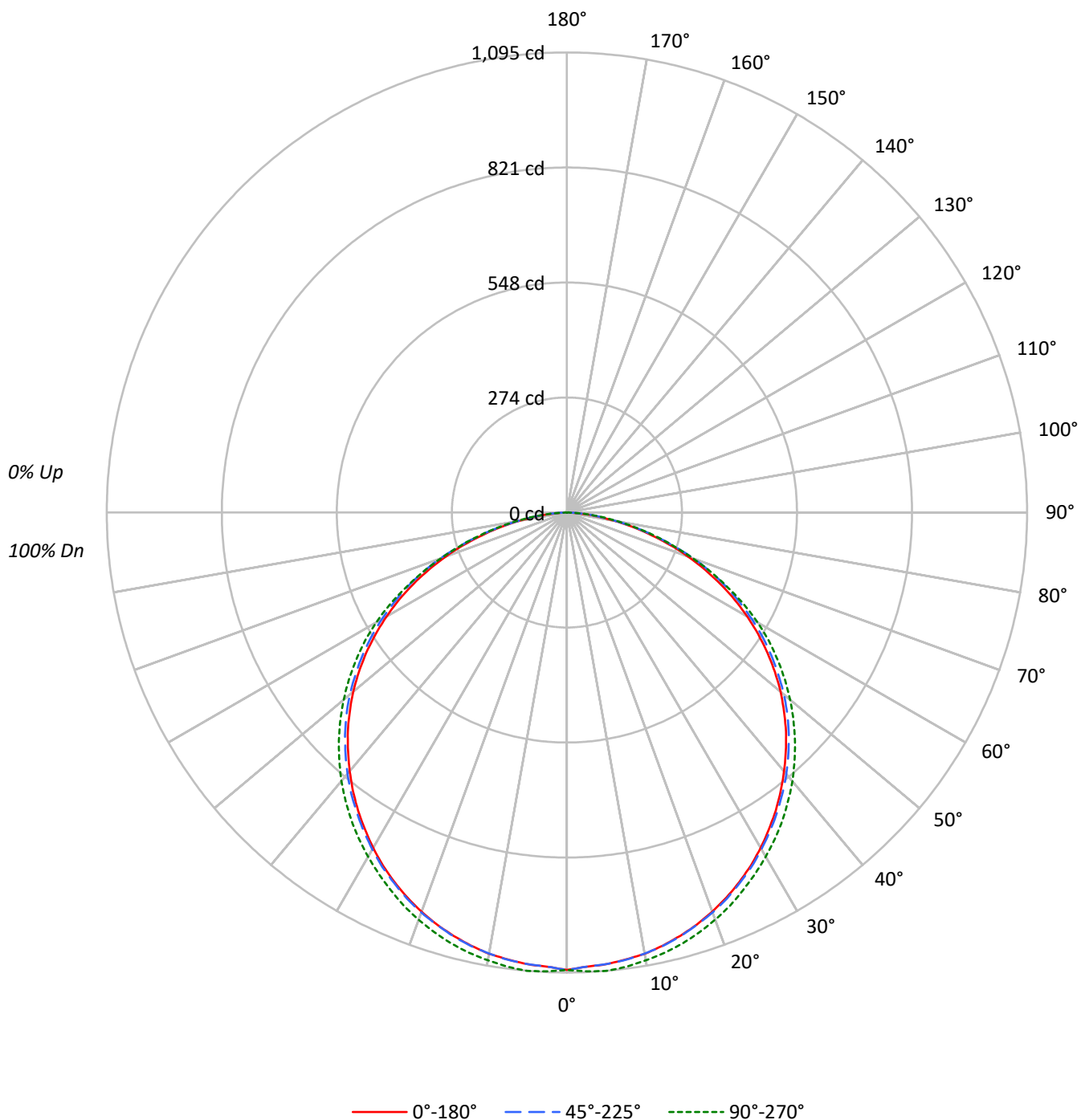
Lumens per Lamp: N/A
Luminaire Lumens: 3213.0 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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			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	109	104	99	96	106	102	98	94	97	94	91		93	91	88		90	88	86	84
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61	56	52	49
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55	49	45	43
6	70	56	47	40	68	55	46	40	53	46	40		52	45	40		50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42	36	31	29
9	56	42	34	28	55	42	34	28	41	33	28		40	33	28		39	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°	3669	3669	3669
5°	3651	3649	3704
10°	3649	3648	3703
15°	3638	3642	3705
20°	3627	3634	3700
25°	3609	3618	3687
30°	3587	3603	3681
35°	3564	3586	3679
40°	3536	3573	3672
45°	3514	3559	3657
50°	3479	3533	3634
55°	3425	3488	3598
60°	3342	3428	3535
65°	3216	3338	3373
70°	3025	3165	3146
75°	2716	2832	2850
80°	2243	2358	2482
85°	1504	1751	1844

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3657 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.2	3.2
10°-20°	296.6	9.2
20°-30°	451.7	14.1
30°-40°	549.7	17.1
40°-50°	579.5	18.0
50°-60°	533.8	16.6
60°-70°	412.3	12.8
70°-80°	230.7	7.2
80°-90°	55.6	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°	851.5	26.5
0°-40°	1401.2	43.6
0°-60°	2514.5	78.3
0°-90°	3213.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3213.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1089	1089	1089	1089	1089	
5°	1079	1095	1079	1080	1095	103
15°	1043	1057	1044	1050	1062	294
25°	971	984	973	980	992	447
35°	866	879	872	883	894	542
45°	738	748	747	758	768	568
55°	583	593	594	606	612	520
65°	403	415	419	423	423	399
75°	209	221	218	217	219	221
85°	39	43	45	51	48	50
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1088.8	1088.8	1088.8	1088.8	1088.8
2.5°	1081.9	1097.6	1081.9	1084.3	1093.2
5°	1079.4	1094.7	1078.9	1080.4	1095.2
7.5°	1073.0	1088.8	1074.0	1076.0	1090.2
10°	1066.6	1080.9	1066.1	1068.6	1082.4
12.5°	1055.8	1070.6	1056.8	1059.7	1073.5
15°	1043.0	1057.3	1044.0	1049.9	1062.2
17.5°	1028.3	1042.0	1029.2	1036.1	1047.9
20°	1011.5	1024.8	1013.5	1018.4	1031.7
22.5°	991.8	1005.6	994.8	999.2	1013.5
25°	970.7	984.5	973.2	979.5	991.8
27.5°	947.6	960.9	951.0	958.9	969.7
30°	922.0	934.8	925.9	935.3	946.1
32.5°	894.4	908.2	899.4	910.2	921.0
35°	866.4	879.2	871.8	882.6	894.4
37.5°	835.9	848.2	842.8	854.1	864.9
40°	803.9	817.7	812.3	824.1	834.9
42.5°	770.9	784.2	779.8	792.1	801.4
45°	737.5	747.8	746.8	758.2	767.5
47.5°	700.6	713.4	711.4	722.7	731.1
50°	663.7	674.0	674.0	684.8	693.2
52.5°	623.8	634.2	634.2	647.0	653.9
55°	583.0	592.8	593.8	606.1	612.5
57.5°	539.7	550.0	552.0	564.3	570.2
60°	495.9	505.8	508.7	521.0	524.5
62.5°	450.2	462.0	463.5	473.3	475.3
65°	403.4	415.2	418.7	422.6	423.1
67.5°	355.7	368.0	371.5	371.5	371.5
70°	307.0	318.3	321.3	319.3	319.3
72.5°	257.8	270.1	268.6	266.7	267.6
75°	208.6	221.4	217.5	217.0	218.9
77.5°	161.4	173.7	167.3	171.2	171.7
80°	115.6	125.0	121.5	127.4	127.9
82.5°	74.3	80.2	81.2	86.1	84.6
85°	38.9	42.8	45.3	50.7	47.7
87.5°	12.3	16.2	14.8	17.2	13.3
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	16.55	18.21	16.92	18.52	18.83	16.77	18.42	17.13	18.74	19.05
	3H	18.37	19.87	18.75	20.20	20.56	18.57	20.07	18.94	20.39	20.75
	4H	19.02	20.43	19.42	20.78	21.15	19.21	20.62	19.60	20.97	21.34
	6H	19.45	20.76	19.86	21.12	21.51	19.66	20.97	20.07	21.33	21.72
	8H	19.56	20.81	19.98	21.20	21.59	19.79	21.04	20.21	21.43	21.83
	12H	19.61	20.81	20.04	21.19	21.62	19.87	21.07	20.29	21.45	21.88
4H	2H	17.23	18.64	17.63	18.99	19.36	17.40	18.81	17.80	19.16	19.53
	3H	19.27	20.46	19.68	20.85	21.25	19.41	20.60	19.82	21.00	21.40
	4H	20.05	21.12	20.48	21.54	21.97	20.17	21.24	20.60	21.66	22.09
	6H	20.60	21.54	21.05	21.98	22.43	20.75	21.68	21.20	22.12	22.58
	8H	20.75	21.62	21.21	22.07	22.53	20.92	21.80	21.38	22.24	22.70
	12H	20.83	21.62	21.31	22.09	22.56	21.03	21.82	21.51	22.30	22.77
8H	4H	20.36	21.24	20.82	21.68	22.14	20.47	21.34	20.93	21.79	22.25
	6H	21.02	21.75	21.51	22.23	22.71	21.15	21.88	21.64	22.36	22.84
	8H	21.22	21.88	21.73	22.38	22.87	21.39	22.04	21.89	22.55	23.03
	12H	21.36	21.94	21.86	22.43	22.99	21.56	22.14	22.07	22.63	23.19
12H	4H	20.39	21.18	20.87	21.65	22.12	20.49	21.28	20.97	21.76	22.23
	6H	21.06	21.72	21.57	22.22	22.71	21.19	21.84	21.70	22.35	22.84
	8H	21.32	21.90	21.83	22.39	22.95	21.48	22.06	21.99	22.55	23.11