

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: P1585635

Luminaire Tested: 14CZSP-SB-35-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585635
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-SB-35-L835
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 3000 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

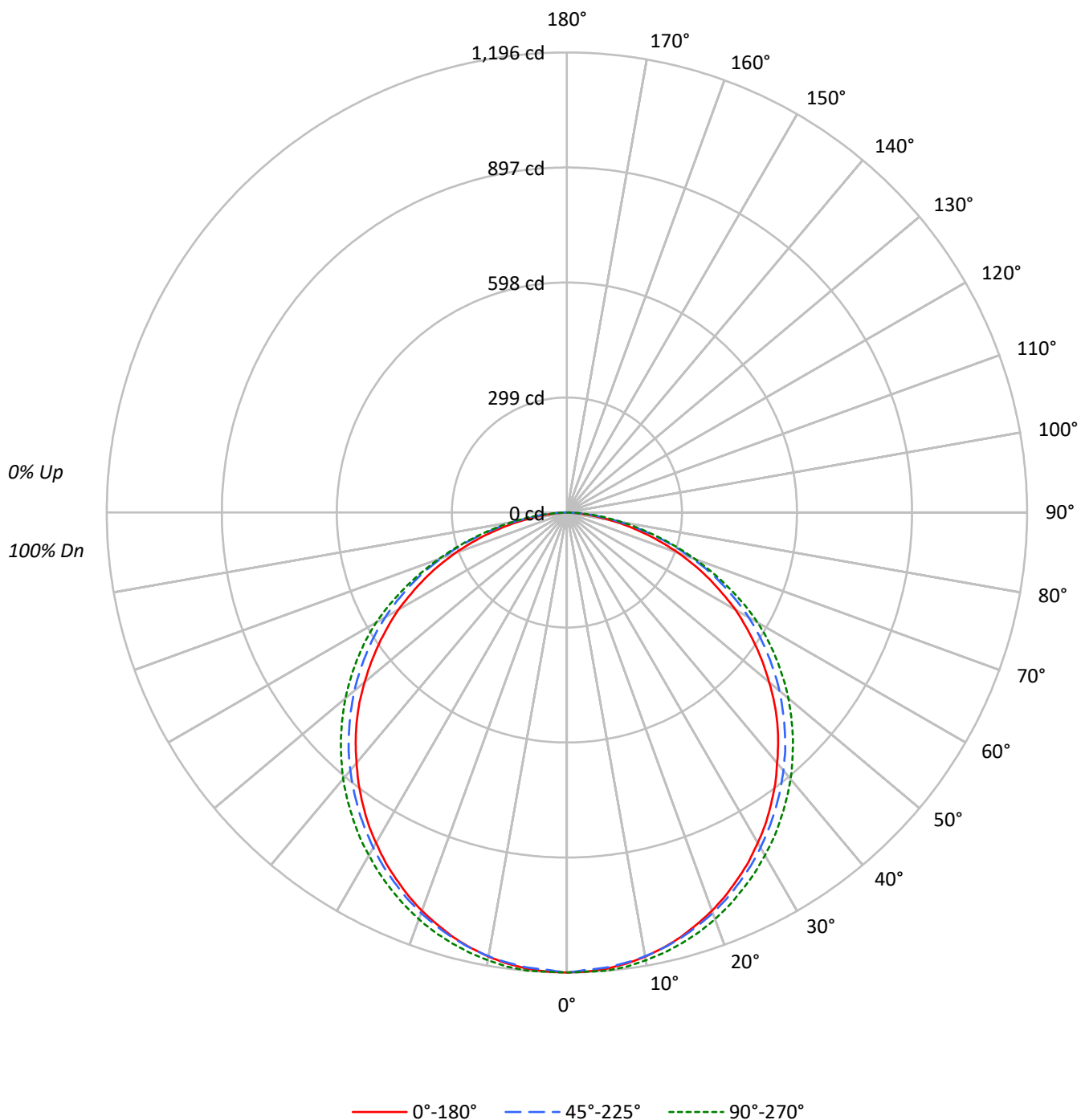
Lumens per Lamp: N/A
Luminaire Lumens: 3455.0 lumens
Efficiency: N/A
Efficacy: 148.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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	79	75		82	77	73		79
3	90	79	71	64	87	78	70	64	75	68	63		72	66	61		69
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62
5	75	62	53	47	73	61	53	46	59	52	46		57	51	45		55
6	70	56	47	41	68	55	47	40	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	58	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°	4030	4030	4030
5°	4026	4017	4043
10°	4012	4008	4044
15°	3986	3995	4042
20°	3951	3974	4035
25°	3908	3945	4019
30°	3859	3915	4004
35°	3806	3884	3990
40°	3739	3851	3980
45°	3685	3816	3958
50°	3598	3780	3939
55°	3505	3730	3909
60°	3411	3676	3857
65°	3258	3579	3710
70°	3040	3418	3500
75°	2708	3097	3188
80°	2212	2686	2819
85°	1461	2134	2289

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3958 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.3	3.3
10°-20°	324.5	9.4
20°-30°	491.2	14.2
30°-40°	592.9	17.2
40°-50°	619.2	17.9
50°-60°	566.4	16.4
60°-70°	437.9	12.7
70°-80°	247.9	7.2
80°-90°	61.6	1.8
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°	929.0	26.9
0°-40°	1521.9	44.0
0°-60°	2707.6	78.4
0°-90°	3455.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3455.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1196	1196	1196	1196	1196	
5°	1190	1199	1188	1188	1195	113
15°	1143	1153	1145	1151	1159	322
25°	1051	1064	1061	1071	1081	484
35°	925	938	944	960	970	579
45°	773	788	801	821	831	596
55°	597	615	635	655	665	534
65°	409	426	449	462	465	403
75°	208	226	238	244	245	221
85°	38	44	55	58	59	49
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1195.9	1195.9	1195.9	1195.9	1195.9
2.5°	1194.4	1202.9	1189.9	1192.4	1194.9
5°	1190.4	1198.9	1187.5	1188.5	1195.4
7.5°	1183.0	1192.4	1180.5	1182.5	1190.9
10°	1172.5	1182.0	1171.5	1173.5	1182.0
12.5°	1159.1	1168.5	1159.6	1162.6	1172.0
15°	1142.7	1152.6	1145.2	1150.6	1158.6
17.5°	1122.8	1135.2	1127.2	1135.7	1143.7
20°	1101.9	1114.3	1108.3	1115.8	1125.3
22.5°	1078.0	1090.4	1085.9	1093.9	1104.3
25°	1051.1	1064.5	1061.1	1071.0	1081.0
27.5°	1023.2	1036.2	1035.2	1046.1	1056.6
30°	991.9	1005.8	1006.3	1019.2	1029.2
32.5°	960.5	973.0	975.9	990.4	1001.8
35°	925.2	938.1	944.1	960.0	970.0
37.5°	889.4	903.8	910.3	927.7	938.1
40°	850.0	866.5	875.4	893.8	904.8
42.5°	812.7	827.6	839.6	858.0	868.0
45°	773.4	788.3	800.8	821.2	830.6
47.5°	731.1	747.5	761.0	780.9	791.3
50°	686.3	704.2	721.1	740.5	751.5
52.5°	642.0	659.4	678.8	697.7	708.7
55°	596.7	614.6	635.0	654.9	665.4
57.5°	550.9	568.8	591.2	609.2	620.1
60°	506.1	522.6	545.5	563.4	572.3
62.5°	455.4	474.3	497.7	515.6	520.6
65°	408.6	425.5	448.9	462.3	465.3
67.5°	358.8	375.7	399.1	406.6	411.1
70°	308.6	326.5	346.9	351.9	355.3
72.5°	257.8	276.2	292.1	297.1	300.1
75°	208.0	225.9	237.9	243.9	244.9
77.5°	159.8	176.2	187.1	194.1	194.1
80°	114.0	126.4	138.4	145.8	145.3
82.5°	72.7	82.1	94.6	100.0	103.5
85°	37.8	43.8	55.2	57.7	59.2
87.5°	11.9	15.4	19.9	16.4	15.9
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	16.52	18.17	16.89	18.49	18.80	17.06	18.71	17.43	19.03	19.34
	3H	18.29	19.79	18.67	20.11	20.47	18.92	20.42	19.30	20.74	21.10
	4H	18.92	20.33	19.32	20.67	21.05	19.60	21.00	19.99	21.35	21.73
	6H	19.32	20.63	19.73	20.99	21.38	20.08	21.39	20.49	21.75	22.14
	8H	19.42	20.67	19.85	21.06	21.46	20.24	21.48	20.66	21.87	22.27
	12H	19.47	20.67	19.90	21.05	21.48	20.34	21.53	20.76	21.91	22.34
4H	2H	17.26	18.67	17.66	19.02	19.39	17.68	19.09	18.08	19.44	19.81
	3H	19.25	20.43	19.66	20.83	21.23	19.76	20.94	20.17	21.34	21.74
	4H	20.00	21.07	20.43	21.48	21.92	20.56	21.63	20.99	22.04	22.48
	6H	20.52	21.46	20.97	21.90	22.35	21.18	22.11	21.63	22.55	23.01
	8H	20.66	21.53	21.12	21.97	22.44	21.38	22.26	21.84	22.70	23.16
	12H	20.73	21.52	21.21	21.99	22.46	21.52	22.31	22.00	22.78	23.25
8H	4H	20.36	21.23	20.82	21.67	22.14	20.85	21.73	21.31	22.17	22.63
	6H	20.99	21.72	21.48	22.20	22.68	21.58	22.31	22.08	22.80	23.27
	8H	21.18	21.84	21.69	22.34	22.83	21.86	22.51	22.37	23.02	23.50
	12H	21.31	21.89	21.82	22.38	22.94	22.06	22.64	22.57	23.13	23.69
12H	4H	20.40	21.19	20.88	21.66	22.13	20.88	21.66	21.36	22.14	22.61
	6H	21.05	21.71	21.56	22.21	22.70	21.63	22.28	22.13	22.79	23.27
	8H	21.30	21.88	21.81	22.37	22.93	21.95	22.53	22.46	23.02	23.58