

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: P1585637

Luminaire Tested: 14CZSP-SB-35-L840

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585637
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-L840
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 3000 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

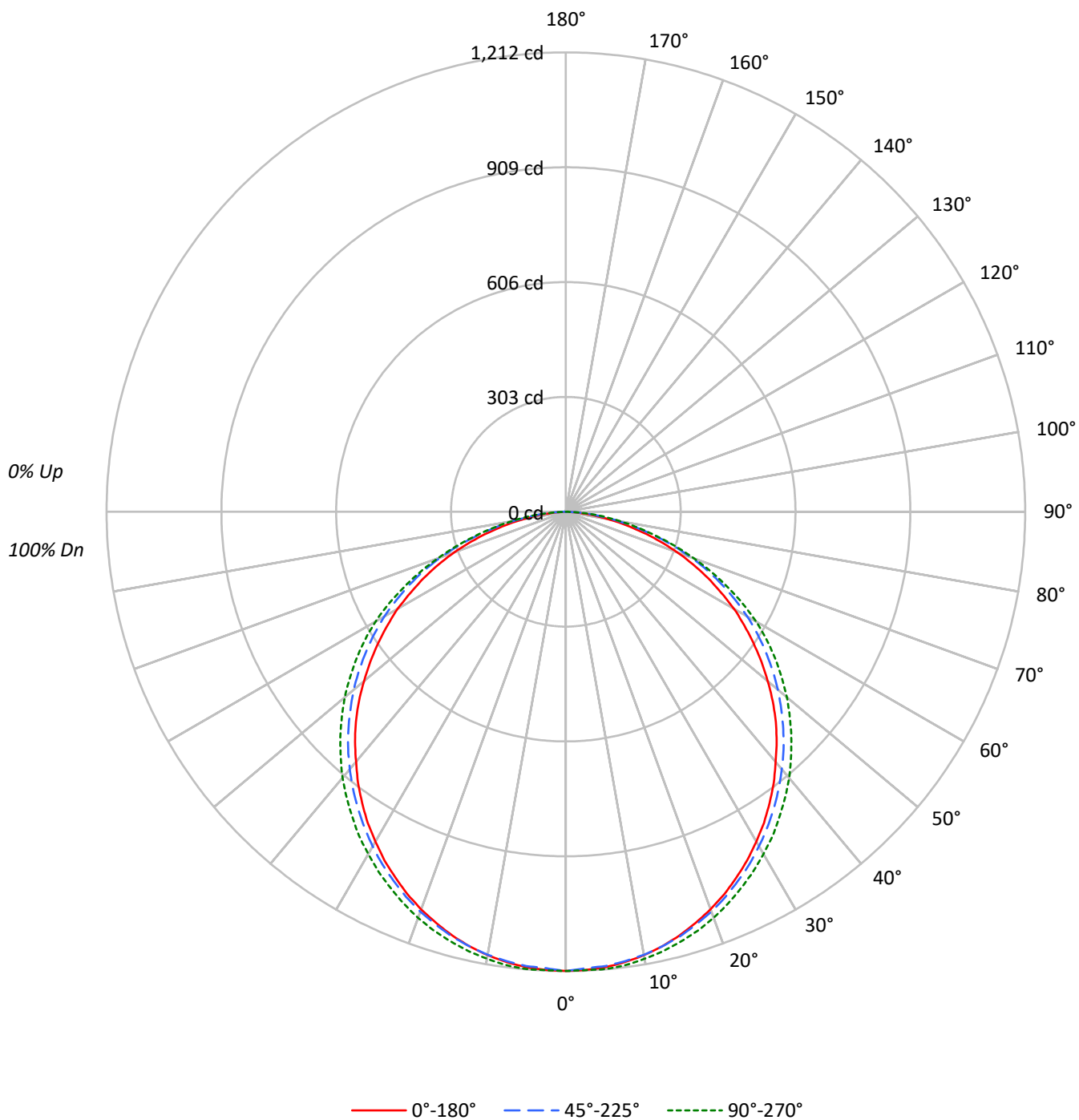
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3500.0 lumens
Efficiency: N/A
Efficacy: 150.9 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°	4082	4082	4082
5°	4079	4069	4096
10°	4064	4061	4097
15°	4038	4047	4094
20°	4003	4026	4087
25°	3959	3996	4071
30°	3910	3966	4057
35°	3855	3934	4042
40°	3788	3901	4032
45°	3734	3866	4010
50°	3644	3829	3991
55°	3551	3779	3960
60°	3455	3724	3907
65°	3300	3626	3759
70°	3080	3462	3547
75°	2743	3138	3229
80°	2241	2721	2856
85°	1481	2165	2320

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4010 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.7	3.3
10°-20°	328.7	9.4
20°-30°	497.6	14.2
30°-40°	600.7	17.2
40°-50°	627.3	17.9
50°-60°	573.8	16.4
60°-70°	443.6	12.7
70°-80°	251.1	7.2
80°-90°	62.4	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°	941.1	26.9
0°-40°	1541.7	44.0
0°-60°	2742.8	78.4
0°-90°	3500.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3500.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1212	1212	1212	1212	1212	
5°	1206	1214	1203	1204	1211	115
15°	1158	1168	1160	1166	1174	326
25°	1065	1078	1075	1085	1095	491
35°	937	950	956	972	983	586
45°	784	799	811	832	841	603
55°	604	623	643	664	674	541
65°	414	431	455	468	471	409
75°	211	229	241	247	248	223
85°	38	44	56	58	60	49
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1211.5	1211.5	1211.5	1211.5	1211.5
2.5°	1210.0	1218.6	1205.4	1208.0	1210.5
5°	1206.0	1214.5	1202.9	1203.9	1211.0
7.5°	1198.4	1208.0	1195.9	1197.9	1206.5
10°	1187.8	1197.4	1186.8	1188.8	1197.4
12.5°	1174.2	1183.8	1174.7	1177.7	1187.3
15°	1157.6	1167.6	1160.1	1165.6	1173.7
17.5°	1137.4	1150.0	1141.9	1150.5	1158.6
20°	1116.2	1128.8	1122.8	1130.3	1139.9
22.5°	1092.0	1104.6	1100.1	1108.1	1118.7
25°	1064.8	1078.4	1074.9	1085.0	1095.0
27.5°	1036.6	1049.7	1048.7	1059.7	1070.3
30°	1004.8	1018.9	1019.4	1032.5	1042.6
32.5°	973.0	985.6	988.7	1003.3	1014.9
35°	937.2	950.3	956.4	972.5	982.6
37.5°	900.9	915.6	922.1	939.8	950.3
40°	861.1	877.7	886.8	905.5	916.6
42.5°	823.3	838.4	850.5	869.2	879.3
45°	783.5	798.6	811.2	831.9	841.4
47.5°	740.6	757.2	770.9	791.0	801.6
50°	695.2	713.4	730.5	750.2	761.3
52.5°	650.4	668.0	687.7	706.8	717.9
55°	604.5	622.6	643.3	663.5	674.1
57.5°	558.1	576.3	598.9	617.1	628.2
60°	512.7	529.4	552.6	570.7	579.8
62.5°	461.3	480.5	504.2	522.3	527.4
65°	413.9	431.1	454.8	468.4	471.4
67.5°	363.5	380.6	404.3	411.9	416.4
70°	312.6	330.7	351.4	356.4	360.0
72.5°	261.2	279.8	295.9	301.0	304.0
75°	210.7	228.9	241.0	247.0	248.0
77.5°	161.8	178.5	189.6	196.6	196.6
80°	115.5	128.1	140.2	147.7	147.2
82.5°	73.6	83.2	95.8	101.3	104.9
85°	38.3	44.4	56.0	58.5	60.0
87.5°	12.1	15.6	20.2	16.6	16.1
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	16.57	18.22	16.93	18.53	18.85	17.11	18.76	17.47	19.07	19.39
	3H	18.34	19.83	18.72	20.16	20.52	18.97	20.46	19.34	20.79	21.15
	4H	18.96	20.37	19.36	20.72	21.09	19.64	21.05	20.04	21.40	21.77
	6H	19.37	20.67	19.78	21.04	21.43	20.13	21.43	20.54	21.80	22.19
	8H	19.47	20.72	19.89	21.11	21.50	20.28	21.53	20.71	21.92	22.32
	12H	19.52	20.71	19.95	21.09	21.52	20.38	21.58	20.81	21.96	22.39
4H	2H	17.31	18.71	17.70	19.06	19.44	17.73	19.14	18.13	19.48	19.86
	3H	19.30	20.48	19.71	20.88	21.28	19.81	20.99	20.22	21.38	21.78
	4H	20.05	21.12	20.48	21.53	21.97	20.61	21.68	21.04	22.09	22.52
	6H	20.57	21.50	21.02	21.94	22.40	21.22	22.16	21.67	22.60	23.05
	8H	20.70	21.58	21.16	22.02	22.48	21.43	22.30	21.88	22.74	23.21
	12H	20.78	21.57	21.26	22.04	22.51	21.56	22.35	22.04	22.83	23.29
8H	4H	20.40	21.28	20.86	21.72	22.18	20.90	21.77	21.36	22.21	22.68
	6H	21.04	21.76	21.53	22.25	22.72	21.63	22.36	22.12	22.84	23.32
	8H	21.23	21.88	21.74	22.39	22.87	21.90	22.55	22.41	23.06	23.55
	12H	21.35	21.93	21.86	22.42	22.98	22.11	22.69	22.61	23.18	23.74
12H	4H	20.44	21.23	20.92	21.71	22.17	20.92	21.71	21.40	22.18	22.65
	6H	21.10	21.75	21.61	22.26	22.74	21.67	22.32	22.18	22.83	23.32
	8H	21.35	21.93	21.86	22.42	22.98	22.00	22.58	22.50	23.07	23.63