

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: P1585665

Luminaire Tested: 14CZSP-SB-37HE-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585665
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-37HE-L935
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 3500 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

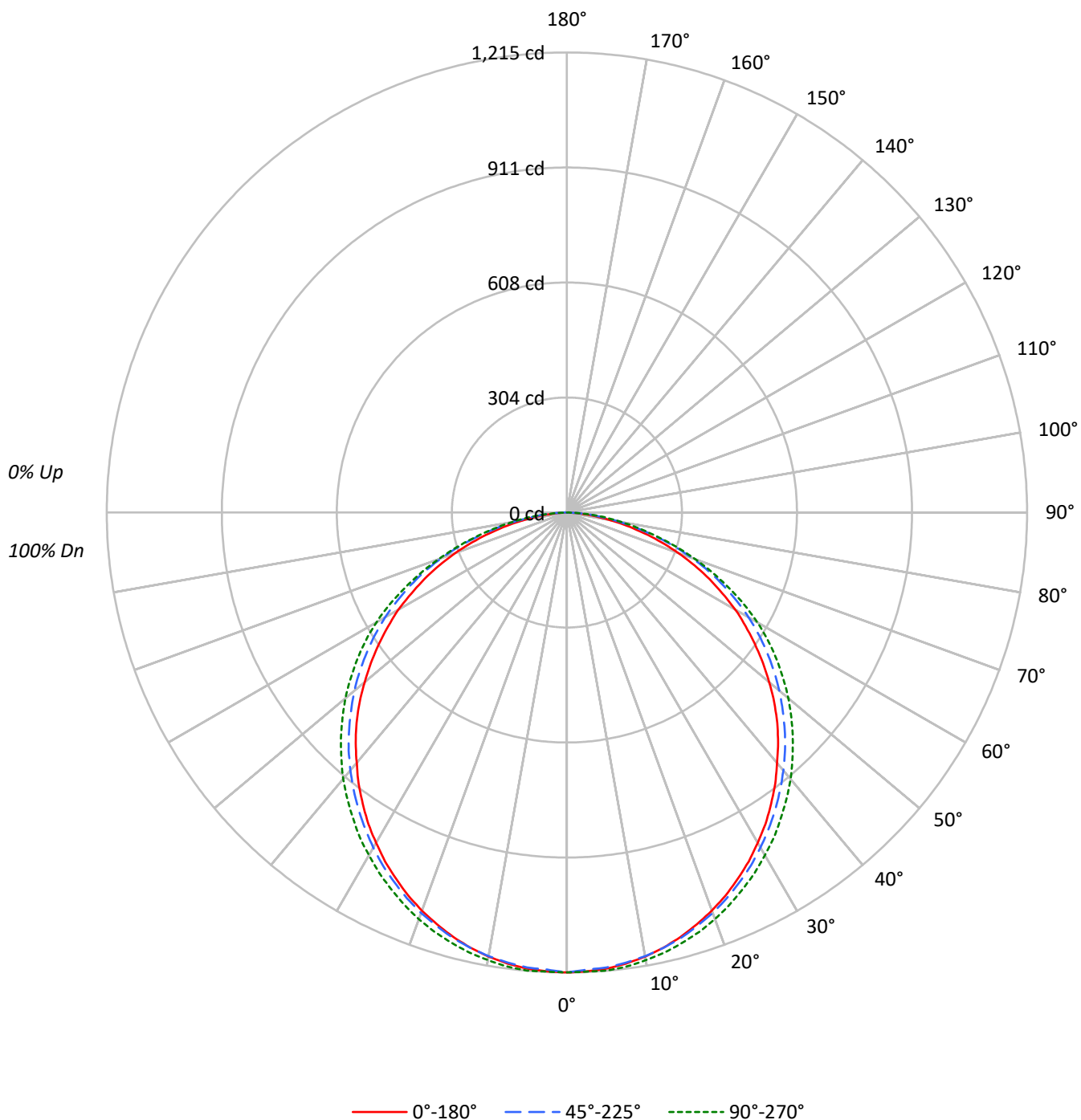
Lumens per Lamp: N/A
Luminaire Lumens: 3509.0 lumens
Efficiency: N/A
Efficacy: 142.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 24.7
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°	4093	4093	4093
5°	4090	4079	4107
10°	4075	4071	4108
15°	4048	4057	4105
20°	4013	4037	4098
25°	3969	4006	4082
30°	3920	3976	4067
35°	3865	3944	4052
40°	3797	3911	4042
45°	3743	3876	4020
50°	3654	3839	4001
55°	3560	3789	3970
60°	3464	3733	3917
65°	3309	3635	3768
70°	3088	3471	3556
75°	2751	3145	3238
80°	2245	2726	2864
85°	1485	2169	2324

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4020 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.0	3.3
10°-20°	329.5	9.4
20°-30°	498.9	14.2
30°-40°	602.2	17.2
40°-50°	628.9	17.9
50°-60°	575.3	16.4
60°-70°	444.8	12.7
70°-80°	251.8	7.2
80°-90°	62.5	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°	943.5	26.9
0°-40°	1545.7	44.0
0°-60°	2749.9	78.4
0°-90°	3509.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3509.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1215	1215	1215	1215	1215	
5°	1209	1218	1206	1207	1214	115
15°	1160	1171	1163	1169	1177	327
25°	1068	1081	1078	1088	1098	492
35°	940	953	959	975	985	588
45°	786	801	813	834	844	605
55°	606	624	645	665	676	542
65°	415	432	456	470	473	410
75°	211	230	242	248	249	224
85°	38	44	56	59	60	50
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1214.6	1214.6	1214.6	1214.6	1214.6
2.5°	1213.1	1221.7	1208.5	1211.1	1213.6
5°	1209.1	1217.6	1206.0	1207.0	1214.1
7.5°	1201.5	1211.1	1198.9	1201.0	1209.6
10°	1190.9	1200.5	1189.8	1191.9	1200.5
12.5°	1177.2	1186.8	1177.7	1180.7	1190.4
15°	1160.5	1170.6	1163.1	1168.6	1176.7
17.5°	1140.3	1152.9	1144.9	1153.5	1161.5
20°	1119.1	1131.7	1125.7	1133.2	1142.8
22.5°	1094.8	1107.5	1102.9	1111.0	1121.6
25°	1067.5	1081.2	1077.6	1087.7	1097.9
27.5°	1039.2	1052.4	1051.4	1062.5	1073.1
30°	1007.4	1021.5	1022.0	1035.2	1045.3
32.5°	975.5	988.2	991.2	1005.9	1017.5
35°	939.6	952.8	958.9	975.0	985.1
37.5°	903.3	917.9	924.5	942.2	952.8
40°	863.3	880.0	889.1	907.8	918.9
42.5°	825.4	840.6	852.7	871.4	881.5
45°	785.5	800.6	813.3	834.0	843.6
47.5°	742.5	759.2	772.8	793.1	803.7
50°	697.0	715.2	732.4	752.1	763.2
52.5°	652.0	669.7	689.4	708.7	719.8
55°	606.0	624.2	645.0	665.2	675.8
57.5°	559.5	577.7	600.5	618.7	629.8
60°	514.0	530.7	554.0	572.2	581.3
62.5°	462.5	481.7	505.5	523.7	528.7
65°	415.0	432.2	455.9	469.6	472.6
67.5°	364.4	381.6	405.4	413.0	417.5
70°	313.4	331.6	352.3	357.4	360.9
72.5°	261.8	280.5	296.7	301.8	304.8
75°	211.3	229.5	241.6	247.7	248.7
77.5°	162.3	178.9	190.1	197.1	197.1
80°	115.7	128.4	140.5	148.1	147.6
82.5°	73.8	83.4	96.0	101.6	105.1
85°	38.4	44.5	56.1	58.6	60.1
87.5°	12.1	15.7	20.2	16.7	16.2
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	16.58	18.23	16.94	18.54	18.85	17.12	18.77	17.48	19.08	19.40
	3H	18.35	19.84	18.73	20.17	20.53	18.98	20.47	19.35	20.80	21.16
	4H	18.97	20.38	19.37	20.73	21.10	19.65	21.06	20.05	21.40	21.78
	6H	19.38	20.68	19.79	21.05	21.44	20.13	21.44	20.55	21.80	22.19
	8H	19.48	20.73	19.90	21.11	21.51	20.29	21.54	20.72	21.93	22.33
	12H	19.53	20.72	19.96	21.10	21.53	20.39	21.58	20.82	21.97	22.39
4H	2H	17.31	18.72	17.71	19.07	19.45	17.74	19.14	18.13	19.49	19.87
	3H	19.31	20.49	19.72	20.89	21.29	19.82	21.00	20.22	21.39	21.79
	4H	20.06	21.13	20.49	21.54	21.97	20.62	21.69	21.05	22.10	22.53
	6H	20.58	21.51	21.03	21.95	22.41	21.23	22.17	21.68	22.61	23.06
	8H	20.71	21.59	21.17	22.03	22.49	21.43	22.31	21.89	22.75	23.22
	12H	20.79	21.57	21.27	22.05	22.52	21.57	22.36	22.05	22.84	23.30
8H	4H	20.41	21.29	20.87	21.73	22.19	20.91	21.78	21.37	22.22	22.69
	6H	21.04	21.77	21.54	22.26	22.73	21.64	22.37	22.13	22.85	23.33
	8H	21.24	21.89	21.75	22.40	22.88	21.91	22.56	22.42	23.07	23.55
	12H	21.36	21.94	21.87	22.43	22.99	22.12	22.69	22.62	23.18	23.74
12H	4H	20.45	21.24	20.93	21.71	22.18	20.93	21.72	21.41	22.19	22.66
	6H	21.11	21.76	21.62	22.27	22.75	21.68	22.33	22.19	22.84	23.32
	8H	21.36	21.93	21.86	22.42	22.98	22.01	22.58	22.51	23.07	23.63