

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: P1585671

Luminaire Tested: 14CZSP-SB-37HE-L950

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585671
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-L950
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 3500 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

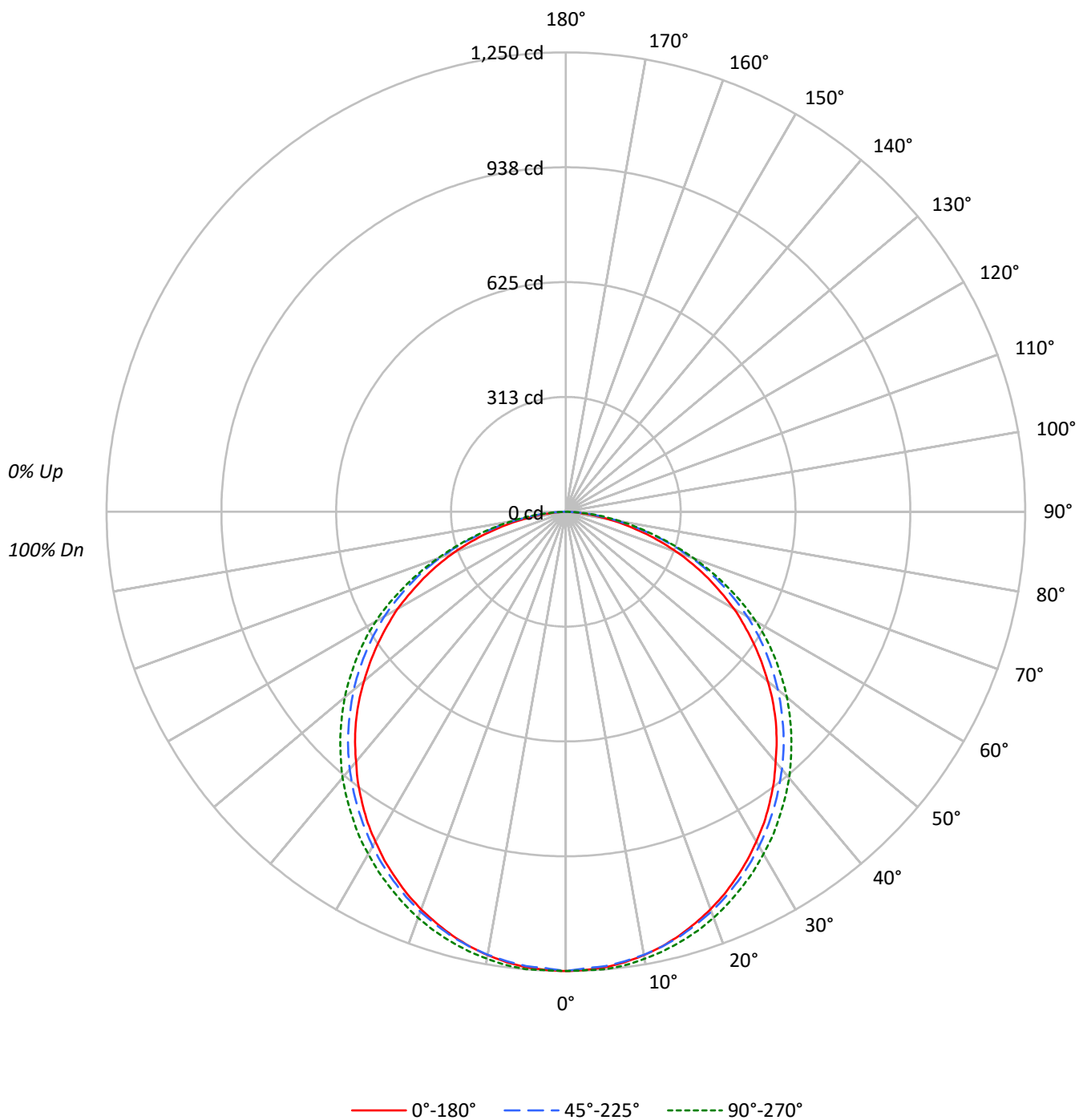
Lumens per Lamp: N/A
Luminaire Lumens: 3610.0 lumens
Efficiency: N/A
Efficacy: 146.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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			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	100	96	106	102	98	94	97	94	91		93	91	88		90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75		82	77	73		79	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46		57	51	45		55	50	45	43
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	35		47	40	35		46	40	35	33
8	60	46	38	32	58	46	38	32	44	37	32		43	36	31		42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28		40	33	28		39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4211	4211	4211
5°	4207	4197	4225
10°	4192	4188	4226
15°	4165	4174	4223
20°	4128	4153	4216
25°	4083	4122	4199
30°	4032	4091	4184
35°	3977	4058	4169
40°	3907	4023	4159
45°	3851	3987	4136
50°	3759	3950	4116
55°	3663	3898	4084
60°	3564	3841	4030
65°	3404	3739	3877
70°	3176	3570	3658
75°	2830	3237	3330
80°	2311	2806	2946
85°	1527	2231	2393

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4136 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.3	3.3
10°-20°	339.0	9.4
20°-30°	513.3	14.2
30°-40°	619.5	17.2
40°-50°	647.0	17.9
50°-60°	591.9	16.4
60°-70°	457.6	12.7
70°-80°	259.0	7.2
80°-90°	64.4	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°	970.6	26.9
0°-40°	1590.2	44.0
0°-60°	2829.0	78.4
0°-90°	3610.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3610.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1250	1250	1250	1250	1250	
5°	1244	1253	1241	1242	1249	118
15°	1194	1204	1196	1202	1211	337
25°	1098	1112	1109	1119	1130	506
35°	967	980	986	1003	1014	605
45°	808	824	837	858	868	622
55°	624	642	664	684	695	558
65°	427	445	469	483	486	421
75°	217	236	249	255	256	230
85°	40	46	58	60	62	51
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1249.6	1249.6	1249.6	1249.6	1249.6
2.5°	1248.0	1256.9	1243.3	1245.9	1248.5
5°	1243.9	1252.7	1240.7	1241.8	1249.1
7.5°	1236.1	1245.9	1233.5	1235.5	1244.4
10°	1225.1	1235.0	1224.1	1226.2	1235.0
12.5°	1211.1	1221.0	1211.6	1214.7	1224.6
15°	1193.9	1204.3	1196.5	1202.3	1210.6
17.5°	1173.1	1186.1	1177.8	1186.7	1195.0
20°	1151.3	1164.3	1158.1	1165.9	1175.7
22.5°	1126.3	1139.3	1134.7	1143.0	1153.9
25°	1098.3	1112.3	1108.7	1119.1	1129.5
27.5°	1069.1	1082.7	1081.6	1093.1	1104.0
30°	1036.4	1050.9	1051.5	1065.0	1075.4
32.5°	1003.6	1016.6	1019.7	1034.8	1046.8
35°	966.7	980.2	986.5	1003.1	1013.5
37.5°	929.3	944.3	951.1	969.3	980.2
40°	888.2	905.3	914.7	933.9	945.4
42.5°	849.2	864.8	877.2	896.5	906.9
45°	808.1	823.7	836.7	858.0	867.9
47.5°	763.9	781.0	795.1	815.9	826.8
50°	717.1	735.8	753.5	773.8	785.2
52.5°	670.8	689.0	709.3	729.0	740.5
55°	623.5	642.2	663.5	684.3	695.2
57.5°	575.6	594.4	617.8	636.5	647.9
60°	528.8	546.0	569.9	588.6	598.0
62.5°	475.8	495.6	520.0	538.7	543.9
65°	426.9	444.6	469.0	483.1	486.2
67.5°	374.9	392.6	417.0	424.8	429.5
70°	322.4	341.1	362.4	367.6	371.3
72.5°	269.4	288.6	305.2	310.4	313.6
75°	217.4	236.1	248.6	254.8	255.8
77.5°	166.9	184.1	195.5	202.8	202.8
80°	119.1	132.1	144.6	152.4	151.8
82.5°	75.9	85.8	98.8	104.5	108.2
85°	39.5	45.8	57.7	60.3	61.9
87.5°	12.5	16.1	20.8	17.2	16.6
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	16.67	18.33	17.04	18.64	18.95	17.22	18.87	17.58	19.18	19.49
	3H	18.45	19.94	18.82	20.27	20.63	19.08	20.57	19.45	20.90	21.26
	4H	19.07	20.48	19.47	20.83	21.20	19.75	21.16	20.15	21.50	21.88
	6H	19.48	20.78	19.89	21.15	21.54	20.23	21.54	20.64	21.90	22.29
	8H	19.58	20.82	20.00	21.21	21.61	20.39	21.64	20.81	22.03	22.42
	12H	19.63	20.82	20.05	21.20	21.63	20.49	21.68	20.92	22.06	22.49
4H	2H	17.41	18.82	17.81	19.17	19.54	17.84	19.24	18.23	19.59	19.97
	3H	19.41	20.59	19.81	20.98	21.38	19.91	21.10	20.32	21.49	21.89
	4H	20.16	21.22	20.59	21.64	22.07	20.71	21.78	21.15	22.20	22.63
	6H	20.67	21.61	21.13	22.05	22.50	21.33	22.26	21.78	22.70	23.16
	8H	20.81	21.68	21.27	22.13	22.59	21.53	22.41	21.99	22.85	23.31
	12H	20.89	21.67	21.37	22.15	22.62	21.67	22.46	22.15	22.93	23.40
8H	4H	20.51	21.39	20.97	21.83	22.29	21.00	21.88	21.46	22.32	22.79
	6H	21.14	21.87	21.64	22.36	22.83	21.74	22.46	22.23	22.95	23.43
	8H	21.34	21.99	21.85	22.49	22.98	22.01	22.66	22.52	23.17	23.65
	12H	21.46	22.04	21.97	22.53	23.09	22.22	22.79	22.72	23.28	23.84
12H	4H	20.55	21.34	21.03	21.81	22.28	21.03	21.82	21.51	22.29	22.76
	6H	21.21	21.86	21.72	22.37	22.85	21.78	22.43	22.29	22.94	23.42
	8H	21.46	22.03	21.96	22.52	23.08	22.11	22.68	22.61	23.17	23.73