

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: P1585670

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

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585670
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-37HE-L950-S
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 3500 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

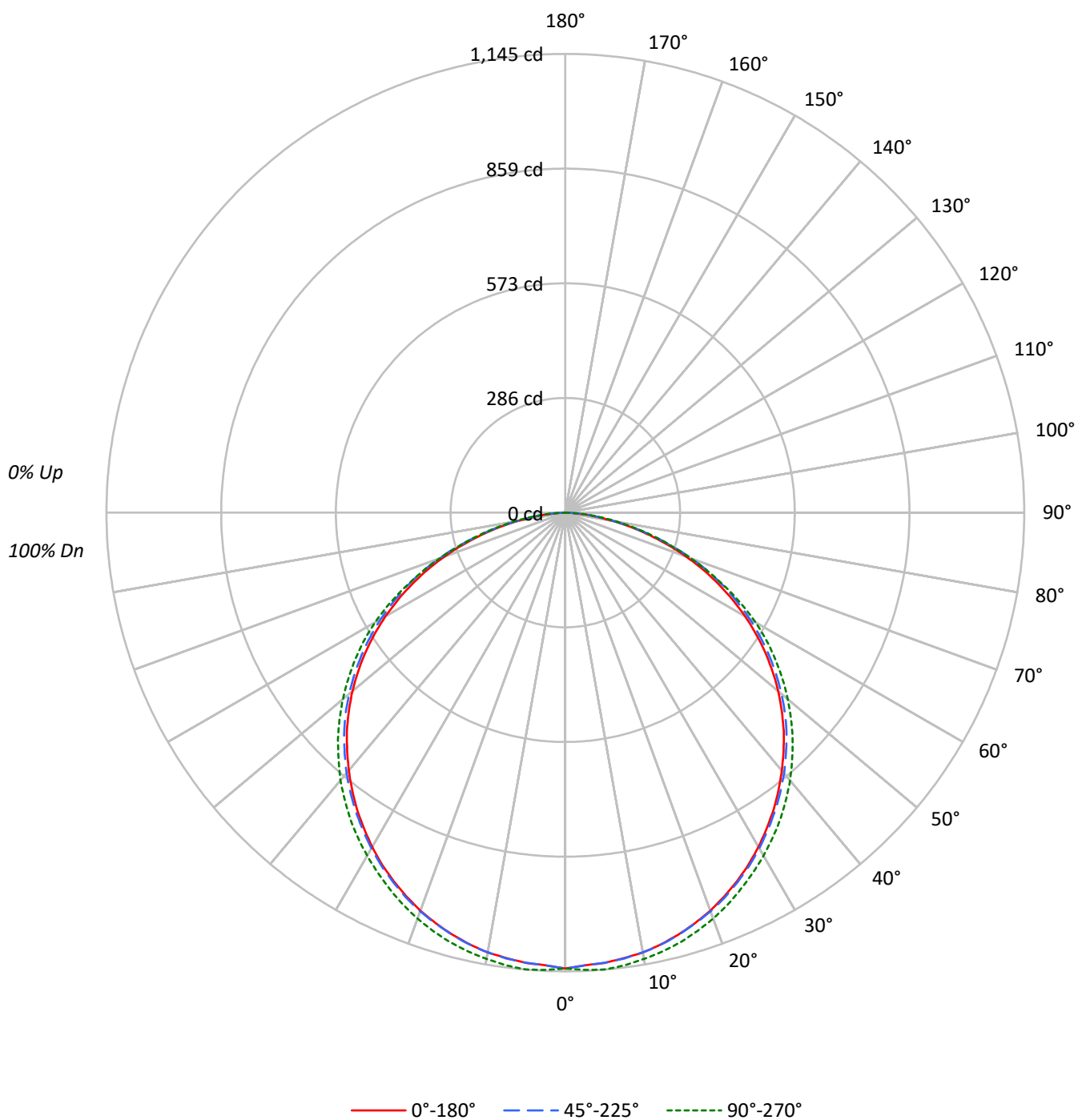
Lumens per Lamp: N/A
Luminaire Lumens: 3358.0 lumens
Efficiency: N/A
Efficacy: 136.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	3834	3834	3834
5°	3816	3814	3872
10°	3814	3813	3870
15°	3803	3806	3873
20°	3791	3798	3867
25°	3772	3781	3854
30°	3749	3765	3847
35°	3725	3748	3845
40°	3696	3734	3838
45°	3673	3719	3822
50°	3636	3693	3798
55°	3579	3646	3761
60°	3493	3583	3694
65°	3361	3489	3526
70°	3162	3308	3288
75°	2838	2959	2979
80°	2344	2464	2594
85°	1570	1829	1929

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3822 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.8	3.2
10°-20°	310.0	9.2
20°-30°	472.1	14.1
30°-40°	574.5	17.1
40°-50°	605.7	18.0
50°-60°	557.9	16.6
60°-70°	430.9	12.8
70°-80°	241.1	7.2
80°-90°	58.1	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°	889.9	26.5
0°-40°	1464.4	43.6
0°-60°	2628.0	78.3
0°-90°	3358.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3358.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1138	1138	1138	1138	1138	
5°	1128	1144	1128	1129	1145	107
15°	1090	1105	1091	1097	1110	308
25°	1014	1029	1017	1024	1037	468
35°	906	919	911	922	935	566
45°	771	782	780	792	802	594
55°	609	620	621	634	640	544
65°	422	434	438	442	442	417
75°	218	231	227	227	229	231
85°	41	45	47	53	50	52
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1137.9	1137.9	1137.9	1137.9	1137.9
2.5°	1130.7	1147.2	1130.7	1133.3	1142.5
5°	1128.1	1144.1	1127.6	1129.2	1144.6
7.5°	1121.4	1137.9	1122.5	1124.5	1139.4
10°	1114.8	1129.7	1114.3	1116.8	1131.2
12.5°	1103.5	1118.9	1104.5	1107.6	1122.0
15°	1090.1	1105.0	1091.1	1097.3	1110.1
17.5°	1074.7	1089.1	1075.7	1082.9	1095.2
20°	1057.2	1071.1	1059.2	1064.4	1078.3
22.5°	1036.6	1051.0	1039.7	1044.3	1059.2
25°	1014.5	1028.9	1017.1	1023.8	1036.6
27.5°	990.3	1004.2	993.9	1002.2	1013.5
30°	963.6	977.0	967.7	977.5	988.8
32.5°	934.8	949.2	939.9	951.3	962.6
35°	905.5	918.9	911.1	922.5	934.8
37.5°	873.6	886.5	880.8	892.6	903.9
40°	840.2	854.6	848.9	861.3	872.6
42.5°	805.7	819.6	815.0	827.8	837.6
45°	770.8	781.6	780.5	792.4	802.1
47.5°	732.2	745.6	743.5	755.3	764.1
50°	693.6	704.4	704.4	715.8	724.5
52.5°	652.0	662.8	662.8	676.2	683.4
55°	609.3	619.6	620.6	633.5	640.2
57.5°	564.1	574.9	576.9	589.8	595.9
60°	518.3	528.6	531.7	544.5	548.1
62.5°	470.5	482.8	484.4	494.7	496.7
65°	421.6	434.0	437.6	441.7	442.2
67.5°	371.8	384.6	388.2	388.2	388.2
70°	320.9	332.7	335.8	333.7	333.7
72.5°	269.4	282.3	280.7	278.7	279.7
75°	218.0	231.4	227.3	226.8	228.8
77.5°	168.7	181.5	174.8	178.9	179.5
80°	120.8	130.6	127.0	133.2	133.7
82.5°	77.6	83.8	84.8	90.0	88.4
85°	40.6	44.7	47.3	53.0	49.9
87.5°	12.9	17.0	15.4	18.0	13.9
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	16.70	18.36	17.07	18.67	18.99	16.92	18.58	17.29	18.89	19.20
	3H	18.53	20.02	18.90	20.35	20.71	18.72	20.22	19.10	20.55	20.90
	4H	19.17	20.58	19.57	20.93	21.31	19.36	20.77	19.76	21.12	21.49
	6H	19.60	20.91	20.01	21.27	21.66	19.81	21.12	20.22	21.49	21.88
	8H	19.71	20.96	20.13	21.35	21.75	19.94	21.19	20.37	21.58	21.98
	12H	19.76	20.96	20.19	21.34	21.77	20.02	21.22	20.45	21.60	22.03
4H	2H	17.38	18.80	17.78	19.14	19.52	17.55	18.97	17.95	19.31	19.69
	3H	19.42	20.61	19.83	21.01	21.41	19.57	20.75	19.98	21.15	21.55
	4H	20.20	21.28	20.64	21.69	22.12	20.33	21.40	20.76	21.81	22.25
	6H	20.75	21.69	21.21	22.13	22.59	20.90	21.84	21.35	22.28	22.73
	8H	20.90	21.78	21.36	22.22	22.68	21.07	21.95	21.53	22.39	22.86
	12H	20.98	21.77	21.46	22.25	22.72	21.19	21.98	21.67	22.45	22.92
8H	4H	20.51	21.39	20.97	21.83	22.30	20.62	21.50	21.08	21.94	22.40
	6H	21.17	21.90	21.66	22.39	22.86	21.30	22.03	21.79	22.52	22.99
	8H	21.38	22.03	21.88	22.54	23.02	21.54	22.19	22.05	22.70	23.18
	12H	21.51	22.09	22.02	22.58	23.14	21.72	22.29	22.22	22.78	23.34
12H	4H	20.54	21.33	21.02	21.81	22.27	20.65	21.44	21.13	21.91	22.38
	6H	21.22	21.87	21.72	22.38	22.86	21.34	22.00	21.85	22.50	22.99
	8H	21.47	22.05	21.98	22.54	23.10	21.63	22.21	22.14	22.70	23.26