

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: P1585663

Luminaire Tested: 14CZSP-SB-37HE-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585663
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-L930
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 3500 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

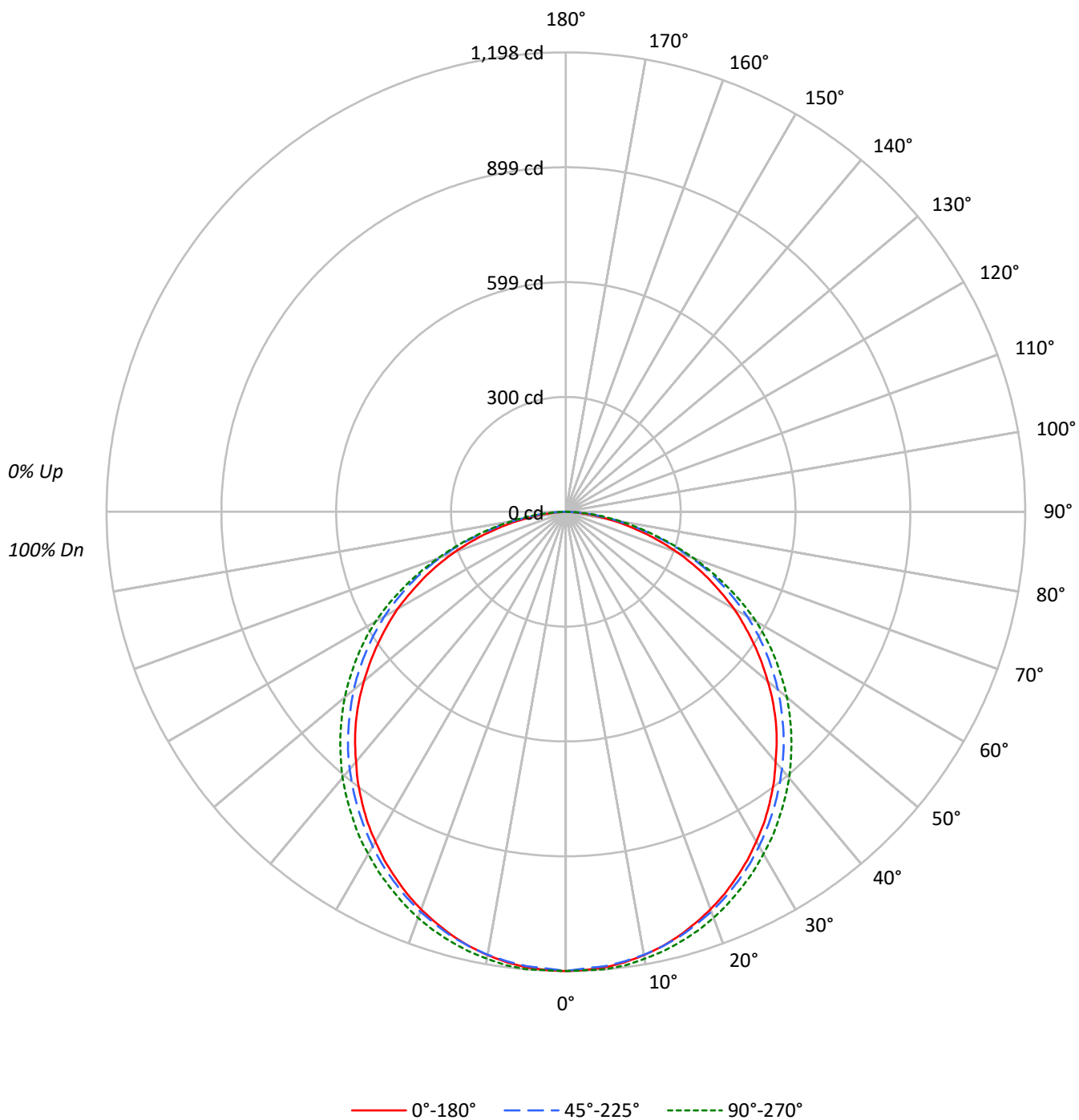
Lumens per Lamp: N/A
Luminaire Lumens: 3460.0 lumens
Efficiency: N/A
Efficacy: 140.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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			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°	4036	4036	4036
5°	4033	4022	4049
10°	4018	4014	4050
15°	3992	4001	4048
20°	3957	3980	4041
25°	3913	3951	4025
30°	3865	3921	4010
35°	3811	3889	3996
40°	3745	3856	3986
45°	3691	3821	3964
50°	3603	3786	3945
55°	3511	3736	3915
60°	3416	3681	3863
65°	3263	3585	3715
70°	3044	3423	3506
75°	2712	3101	3192
80°	2214	2689	2823
85°	1465	2138	2293

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3964 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.4	3.3
10°-20°	324.9	9.4
20°-30°	491.9	14.2
30°-40°	593.8	17.2
40°-50°	620.1	17.9
50°-60°	567.3	16.4
60°-70°	438.6	12.7
70°-80°	248.3	7.2
80°-90°	61.7	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°	930.3	26.9
0°-40°	1524.1	44.0
0°-60°	2711.5	78.4
0°-90°	3460.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3460.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1198	1198	1198	1198	1198	
5°	1192	1201	1189	1190	1197	113
15°	1144	1154	1147	1152	1160	323
25°	1053	1066	1063	1073	1082	485
35°	926	940	946	961	971	580
45°	774	790	802	822	832	596
55°	598	616	636	656	666	534
65°	409	426	450	463	466	404
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°	1197.7	1197.7	1197.7	1197.7	1197.7
2.5°	1196.2	1204.6	1191.7	1194.2	1196.7
5°	1192.2	1200.6	1189.2	1190.2	1197.2
7.5°	1184.7	1194.2	1182.2	1184.2	1192.7
10°	1174.2	1183.7	1173.2	1175.2	1183.7
12.5°	1160.8	1170.2	1161.3	1164.3	1173.7
15°	1144.3	1154.3	1146.8	1152.3	1160.3
17.5°	1124.4	1136.8	1128.9	1137.3	1145.3
20°	1103.5	1115.9	1109.9	1117.4	1126.9
22.5°	1079.5	1092.0	1087.5	1095.5	1105.9
25°	1052.6	1066.1	1062.6	1072.6	1082.5
27.5°	1024.7	1037.7	1036.7	1047.6	1058.1
30°	993.3	1007.3	1007.8	1020.7	1030.7
32.5°	961.9	974.4	977.4	991.8	1003.3
35°	926.5	939.5	945.5	961.4	971.4
37.5°	890.6	905.1	911.6	929.0	939.5
40°	851.3	867.7	876.7	895.1	906.1
42.5°	813.9	828.8	840.8	859.2	869.2
45°	774.5	789.5	801.9	822.4	831.8
47.5°	732.1	748.6	762.1	782.0	792.5
50°	687.3	705.2	722.2	741.6	752.6
52.5°	642.9	660.4	679.8	698.8	709.7
55°	597.6	615.5	636.0	655.9	666.4
57.5°	551.7	569.7	592.1	610.0	621.0
60°	506.9	523.3	546.2	564.2	573.2
62.5°	456.0	475.0	498.4	516.3	521.3
65°	409.2	426.1	449.6	463.0	466.0
67.5°	359.3	376.3	399.7	407.2	411.7
70°	309.0	326.9	347.4	352.4	355.9
72.5°	258.2	276.6	292.6	297.5	300.5
75°	208.3	226.3	238.2	244.2	245.2
77.5°	160.0	176.4	187.4	194.4	194.4
80°	114.1	126.6	138.6	146.0	145.5
82.5°	72.8	82.2	94.7	100.2	103.7
85°	37.9	43.9	55.3	57.8	59.3
87.5°	12.0	15.5	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	16.53	18.18	16.89	18.49	18.81	17.07	18.72	17.43	19.03	19.35
	3H	18.30	19.79	18.68	20.12	20.48	18.93	20.42	19.30	20.75	21.11
	4H	18.92	20.33	19.32	20.68	21.05	19.60	21.01	20.00	21.36	21.73
	6H	19.33	20.63	19.74	21.00	21.39	20.09	21.39	20.50	21.76	22.15
	8H	19.43	20.68	19.85	21.07	21.46	20.24	21.49	20.67	21.88	22.28
	12H	19.48	20.67	19.91	21.05	21.48	20.34	21.54	20.77	21.92	22.35
4H	2H	17.27	18.67	17.66	19.02	19.40	17.69	19.10	18.09	19.44	19.82
	3H	19.26	20.44	19.67	20.84	21.24	19.77	20.95	20.18	21.35	21.74
	4H	20.01	21.08	20.44	21.49	21.93	20.57	21.64	21.00	22.05	22.48
	6H	20.53	21.46	20.98	21.90	22.36	21.18	22.12	21.64	22.56	23.01
	8H	20.66	21.54	21.12	21.98	22.44	21.39	22.26	21.84	22.70	23.17
	12H	20.74	21.53	21.22	22.00	22.47	21.52	22.31	22.00	22.79	23.26
8H	4H	20.36	21.24	20.82	21.68	22.14	20.86	21.73	21.32	22.17	22.64
	6H	21.00	21.72	21.49	22.21	22.68	21.59	22.32	22.08	22.80	23.28
	8H	21.19	21.84	21.70	22.35	22.83	21.86	22.52	22.37	23.02	23.51
	12H	21.31	21.89	21.82	22.38	22.94	22.07	22.65	22.58	23.14	23.70
12H	4H	20.40	21.19	20.88	21.67	22.13	20.88	21.67	21.36	22.14	22.61
	6H	21.06	21.71	21.57	22.22	22.70	21.63	22.29	22.14	22.79	23.28
	8H	21.31	21.89	21.81	22.38	22.94	21.96	22.54	22.47	23.03	23.59