

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: P1585691

Luminaire Tested: 14CZSP-SB-42-L950

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585691
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-42-L950
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 3500 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

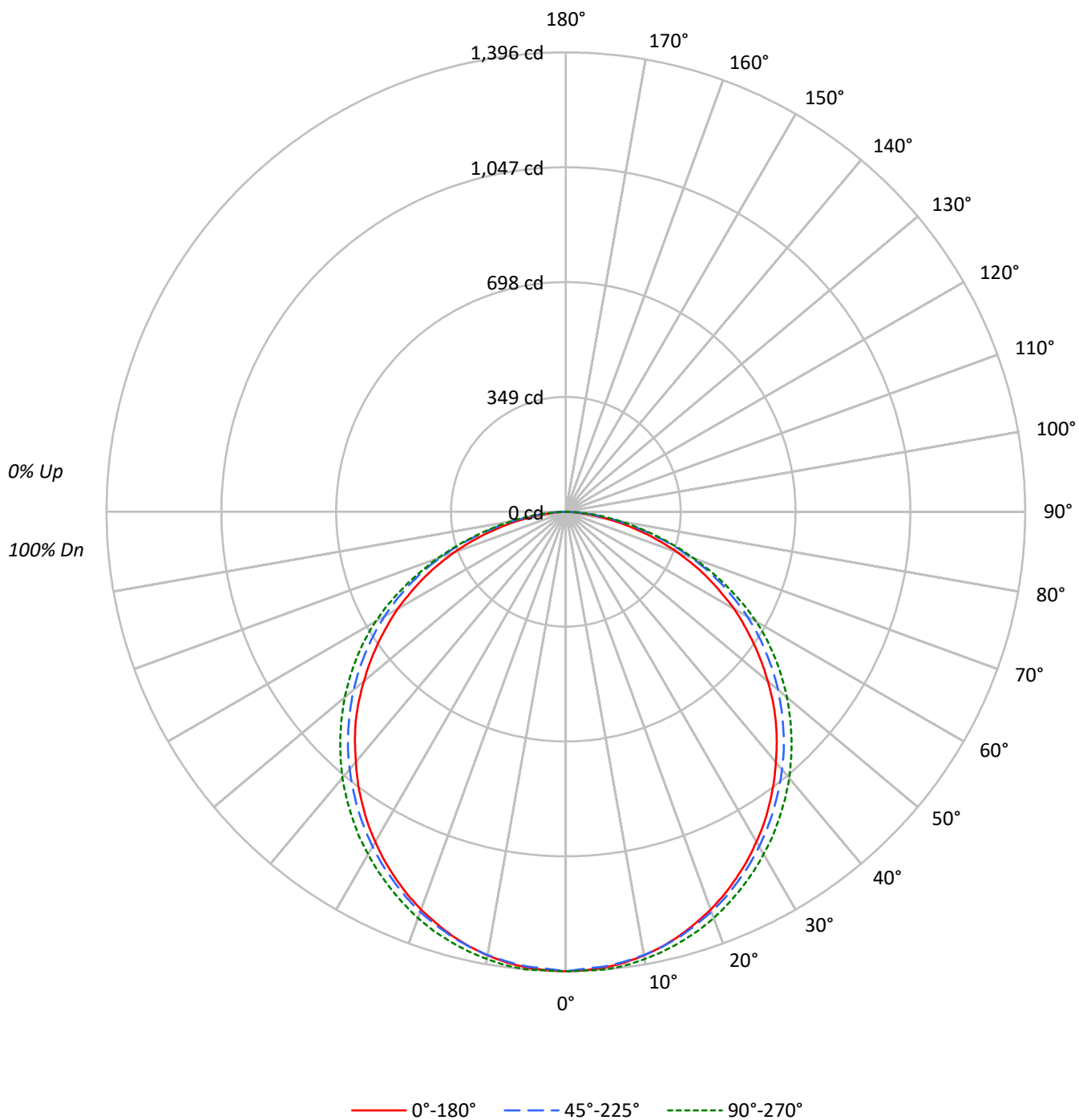
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4034.0 lumens
Efficiency: N/A
Efficacy: 141.5 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): 28.5
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°	4705	4705	4705
5°	4701	4690	4721
10°	4684	4680	4722
15°	4654	4664	4719
20°	4613	4640	4711
25°	4563	4606	4692
30°	4506	4571	4676
35°	4443	4534	4659
40°	4366	4496	4647
45°	4303	4456	4621
50°	4201	4414	4599
55°	4093	4356	4564
60°	3983	4292	4503
65°	3804	4179	4332
70°	3550	3990	4088
75°	3162	3617	3722
80°	2583	3134	3293
85°	1709	2494	2672

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4621 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.2	3.3
10°-20°	378.8	9.4
20°-30°	573.5	14.2
30°-40°	692.3	17.2
40°-50°	723.0	17.9
50°-60°	661.4	16.4
60°-70°	511.3	12.7
70°-80°	289.5	7.2
80°-90°	71.9	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°	1084.6	26.9
0°-40°	1776.9	44.0
0°-60°	3161.3	78.4
0°-90°	4034.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4034.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1396	1396	1396	1396	1396	
5°	1390	1400	1386	1388	1396	132
15°	1334	1346	1337	1344	1353	376
25°	1227	1243	1239	1250	1262	566
35°	1080	1095	1102	1121	1132	676
45°	903	920	935	959	970	695
55°	697	718	742	765	777	623
65°	477	497	524	540	543	471
75°	243	264	278	285	286	258
85°	44	51	64	67	69	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1396.3	1396.3	1396.3	1396.3	1396.3
2.5°	1394.6	1404.5	1389.4	1392.3	1395.2
5°	1389.9	1399.8	1386.5	1387.6	1395.8
7.5°	1381.2	1392.3	1378.3	1380.6	1390.5
10°	1369.0	1380.1	1367.9	1370.2	1380.1
12.5°	1353.3	1364.4	1353.9	1357.4	1368.4
15°	1334.2	1345.8	1337.1	1343.5	1352.8
17.5°	1310.9	1325.4	1316.1	1326.0	1335.3
20°	1286.5	1301.0	1294.1	1302.8	1313.8
22.5°	1258.6	1273.1	1267.9	1277.2	1289.4
25°	1227.2	1242.9	1238.9	1250.5	1262.1
27.5°	1194.7	1209.8	1208.6	1221.4	1233.6
30°	1158.1	1174.4	1174.9	1190.1	1201.7
32.5°	1121.5	1136.0	1139.5	1156.4	1169.7
35°	1080.2	1095.3	1102.3	1120.9	1132.5
37.5°	1038.4	1055.2	1062.8	1083.1	1095.3
40°	992.5	1011.7	1022.1	1043.6	1056.4
42.5°	948.9	966.3	980.3	1001.8	1013.4
45°	903.0	920.4	935.0	958.8	969.8
47.5°	853.6	872.8	888.5	911.7	923.9
50°	801.3	822.2	842.0	864.6	877.4
52.5°	749.6	769.9	792.6	814.7	827.5
55°	696.7	717.6	741.5	764.7	776.9
57.5°	643.3	664.2	690.3	711.2	724.0
60°	591.0	610.1	636.9	657.8	668.2
62.5°	531.7	553.8	581.1	602.0	607.8
65°	477.1	496.8	524.1	539.8	543.3
67.5°	419.0	438.7	466.0	474.7	480.0
70°	360.3	381.2	405.0	410.8	414.9
72.5°	301.0	322.5	341.1	346.9	350.4
75°	242.9	263.8	277.8	284.7	285.9
77.5°	186.5	205.7	218.5	226.6	226.6
80°	133.1	147.6	161.5	170.3	169.7
82.5°	84.8	95.9	110.4	116.8	120.9
85°	44.2	51.1	64.5	67.4	69.1
87.5°	13.9	18.0	23.2	19.2	18.6
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	17.06	18.71	17.43	19.03	19.34	17.60	19.25	17.97	19.57	19.88
	3H	18.83	20.33	19.21	20.65	21.01	19.46	20.96	19.84	21.28	21.64
	4H	19.46	20.87	19.86	21.21	21.59	20.13	21.54	20.53	21.89	22.26
	6H	19.86	21.17	20.27	21.53	21.92	20.62	21.92	21.03	22.29	22.68
	8H	19.96	21.21	20.39	21.60	22.00	20.78	22.02	21.20	22.41	22.81
	12H	20.01	21.21	20.44	21.59	22.02	20.87	22.07	21.30	22.45	22.88
4H	2H	17.80	19.21	18.20	19.56	19.93	18.22	19.63	18.62	19.98	20.35
	3H	19.79	20.97	20.20	21.37	21.77	20.30	21.48	20.71	21.88	22.28
	4H	20.54	21.61	20.97	22.02	22.46	21.10	22.17	21.53	22.58	23.02
	6H	21.06	22.00	21.51	22.44	22.89	21.72	22.65	22.17	23.09	23.54
	8H	21.20	22.07	21.66	22.51	22.98	21.92	22.79	22.38	23.24	23.70
	12H	21.27	22.06	21.75	22.53	23.00	22.06	22.84	22.54	23.32	23.79
8H	4H	20.90	21.77	21.36	22.21	22.68	21.39	22.27	21.85	22.71	23.17
	6H	21.53	22.26	22.02	22.74	23.22	22.12	22.85	22.62	23.34	23.81
	8H	21.72	22.38	22.23	22.88	23.37	22.40	23.05	22.90	23.55	24.04
	12H	21.85	22.42	22.35	22.91	23.47	22.60	23.18	23.11	23.67	24.23
12H	4H	20.94	21.72	21.42	22.20	22.67	21.41	22.20	21.89	22.68	23.14
	6H	21.59	22.25	22.10	22.75	23.24	22.16	22.82	22.67	23.32	23.81
	8H	21.84	22.42	22.35	22.91	23.47	22.49	23.07	23.00	23.56	24.12

END OF REPORT