

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: P1585771

Luminaire Tested: 14CZSP-SB-52-L950

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585771
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-52-L950
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 4500 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

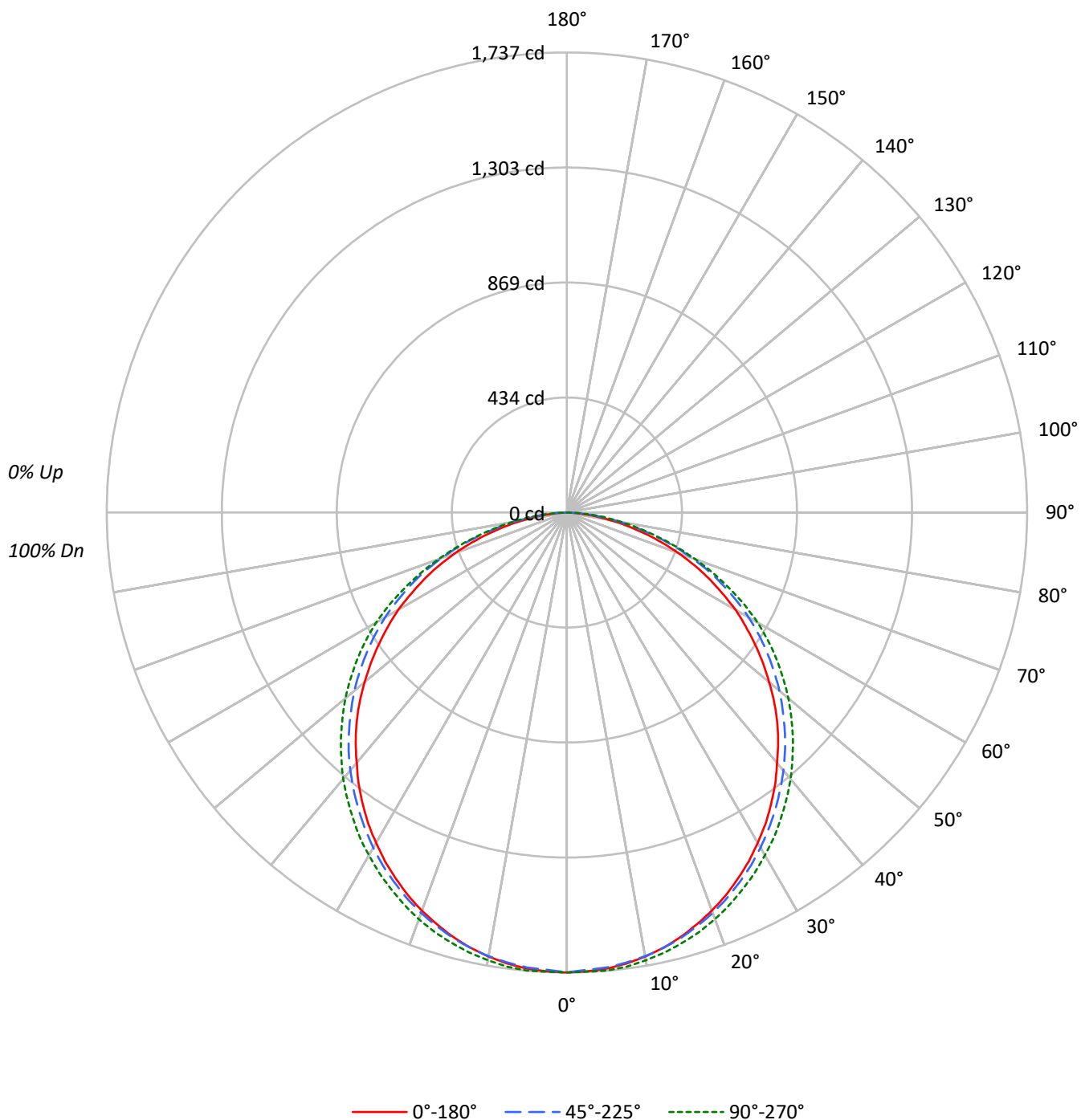
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5017.0 lumens
Efficiency: N/A
Efficacy: 136.0 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): 36.9
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°	5852	5852	5852
5°	5847	5832	5872
10°	5826	5821	5873
15°	5788	5801	5869
20°	5737	5771	5859
25°	5675	5729	5836
30°	5604	5686	5815
35°	5526	5639	5794
40°	5429	5592	5779
45°	5351	5541	5748
50°	5224	5490	5720
55°	5090	5417	5676
60°	4953	5338	5601
65°	4730	5198	5387
70°	4415	4962	5084
75°	3933	4497	4630
80°	3211	3898	4094
85°	2123	3101	3325

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5748 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.5	3.3
10°-20°	471.1	9.4
20°-30°	713.3	14.2
30°-40°	861.0	17.2
40°-50°	899.2	17.9
50°-60°	822.5	16.4
60°-70°	635.9	12.7
70°-80°	360.0	7.2
80°-90°	89.4	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°	1348.9	26.9
0°-40°	2209.9	44.0
0°-60°	3931.7	78.4
0°-90°	5017.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5017.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1737	1737	1737	1737	1737	
5°	1729	1741	1724	1726	1736	164
15°	1659	1674	1663	1671	1682	468
25°	1526	1546	1541	1555	1570	703
35°	1344	1362	1371	1394	1408	840
45°	1123	1145	1163	1192	1206	865
55°	866	892	922	951	966	775
65°	593	618	652	671	676	586
75°	302	328	345	354	356	320
85°	55	64	80	84	86	71
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1736.6	1736.6	1736.6	1736.6	1736.6
2.5°	1734.4	1746.7	1727.9	1731.5	1735.2
5°	1728.6	1740.9	1724.3	1725.8	1735.9
7.5°	1717.8	1731.5	1714.2	1717.1	1729.4
10°	1702.6	1716.4	1701.2	1704.1	1716.4
12.5°	1683.1	1696.8	1683.8	1688.2	1701.9
15°	1659.3	1673.7	1662.9	1670.8	1682.4
17.5°	1630.4	1648.4	1636.9	1649.2	1660.7
20°	1600.0	1618.1	1609.4	1620.2	1634.0
22.5°	1565.3	1583.4	1576.9	1588.4	1603.6
25°	1526.3	1545.8	1540.8	1555.2	1569.7
27.5°	1485.8	1504.6	1503.2	1519.1	1534.2
30°	1440.3	1460.5	1461.3	1480.0	1494.5
32.5°	1394.8	1412.8	1417.2	1438.1	1454.8
35°	1343.5	1362.2	1370.9	1394.0	1408.5
37.5°	1291.4	1312.4	1321.8	1347.1	1362.2
40°	1234.3	1258.2	1271.2	1297.9	1313.8
42.5°	1180.1	1201.8	1219.2	1245.9	1260.4
45°	1123.0	1144.7	1162.8	1192.4	1206.2
47.5°	1061.6	1085.5	1105.0	1133.9	1149.1
50°	996.6	1022.6	1047.2	1075.3	1091.2
52.5°	932.3	957.5	985.7	1013.2	1029.1
55°	866.5	892.5	922.1	951.0	966.2
57.5°	800.0	826.0	858.5	884.6	900.5
60°	735.0	758.8	792.1	818.1	831.1
62.5°	661.3	688.7	722.7	748.7	755.9
65°	593.3	617.9	651.9	671.4	675.7
67.5°	521.1	545.6	579.6	590.4	596.9
70°	448.1	474.1	503.7	510.9	516.0
72.5°	374.3	401.1	424.2	431.4	435.8
75°	302.1	328.1	345.4	354.1	355.6
77.5°	232.0	255.8	271.7	281.8	281.8
80°	165.5	183.6	200.9	211.7	211.0
82.5°	105.5	119.2	137.3	145.3	150.3
85°	54.9	63.6	80.2	83.8	86.0
87.5°	17.3	22.4	28.9	23.8	23.1
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	17.82	19.47	18.18	19.78	20.10	18.36	20.01	18.72	20.32	20.64
	3H	19.59	21.08	19.97	21.41	21.77	20.22	21.71	20.60	22.04	22.40
	4H	20.21	21.62	20.61	21.97	22.34	20.89	22.30	21.29	22.65	23.02
	6H	20.62	21.93	21.03	22.29	22.68	21.38	22.68	21.79	23.05	23.44
	8H	20.72	21.97	21.14	22.36	22.76	21.53	22.78	21.96	23.17	23.57
	12H	20.77	21.96	21.20	22.35	22.77	21.63	22.83	22.06	23.21	23.64
4H	2H	18.56	19.97	18.96	20.31	20.69	18.98	20.39	19.38	20.73	21.11
	3H	20.55	21.73	20.96	22.13	22.53	21.06	22.24	21.47	22.64	23.04
	4H	21.30	22.37	21.73	22.78	23.22	21.86	22.93	22.29	23.34	23.78
	6H	21.82	22.75	22.27	23.19	23.65	22.47	23.41	22.93	23.85	24.30
	8H	21.95	22.83	22.41	23.27	23.73	22.68	23.55	23.14	23.99	24.46
	12H	22.03	22.82	22.51	23.29	23.76	22.82	23.60	23.29	24.08	24.55
8H	4H	21.65	22.53	22.11	22.97	23.44	22.15	23.02	22.61	23.46	23.93
	6H	22.29	23.01	22.78	23.50	23.98	22.88	23.61	23.37	24.09	24.57
	8H	22.48	23.13	22.99	23.64	24.12	23.15	23.81	23.66	24.31	24.80
	12H	22.61	23.18	23.11	23.67	24.23	23.36	23.94	23.87	24.43	24.99
12H	4H	21.70	22.48	22.17	22.96	23.43	22.17	22.96	22.65	23.43	23.90
	6H	22.35	23.00	22.86	23.51	24.00	22.92	23.58	23.43	24.08	24.57
	8H	22.60	23.18	23.11	23.67	24.23	23.25	23.83	23.76	24.32	24.88