

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: P1585765

Luminaire Tested: 14CZSP-SB-52-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585765
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-L935
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 4500 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

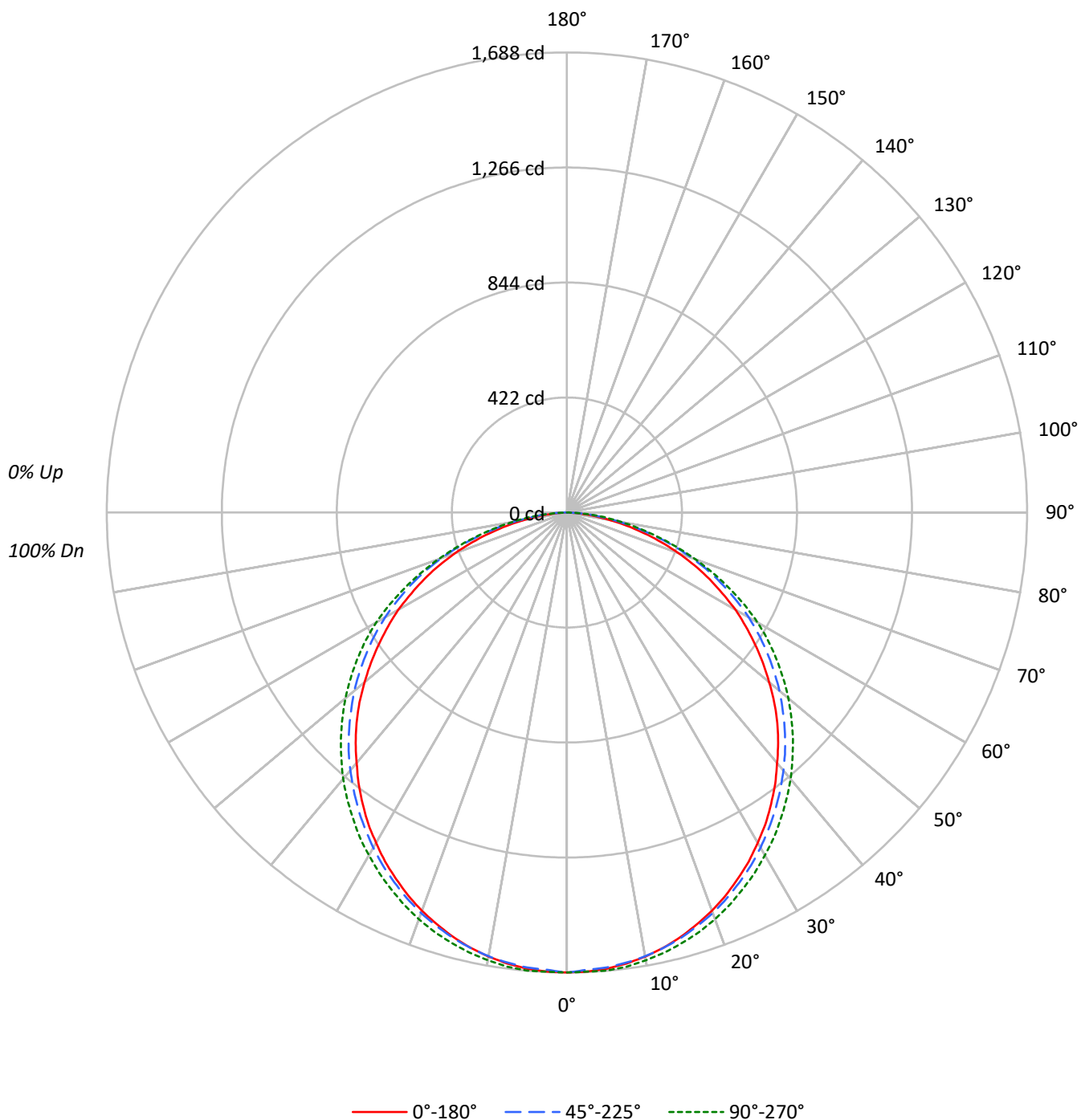
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4876.0 lumens
Efficiency: N/A
Efficacy: 132.1 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): 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
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°	5687	5687	5687
5°	5683	5668	5707
10°	5662	5657	5708
15°	5625	5638	5704
20°	5576	5609	5695
25°	5515	5567	5672
30°	5446	5526	5651
35°	5371	5481	5631
40°	5277	5435	5617
45°	5201	5385	5586
50°	5078	5335	5560
55°	4947	5265	5517
60°	4814	5188	5443
65°	4597	5051	5236
70°	4291	4824	4941
75°	3822	4370	4499
80°	3120	3790	3980
85°	2065	3016	3232

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5586 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.9	3.3
10°-20°	457.9	9.4
20°-30°	693.3	14.2
30°-40°	836.8	17.2
40°-50°	873.9	17.9
50°-60°	799.4	16.4
60°-70°	618.0	12.7
70°-80°	349.9	7.2
80°-90°	86.9	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°	1311.0	26.9
0°-40°	2147.8	44.0
0°-60°	3821.2	78.4
0°-90°	4876.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4876.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1688	1688	1688	1688	1688	
5°	1680	1692	1676	1677	1687	160
15°	1613	1627	1616	1624	1635	455
25°	1483	1502	1497	1512	1526	684
35°	1306	1324	1332	1355	1369	817
45°	1092	1113	1130	1159	1172	841
55°	842	867	896	924	939	753
65°	577	600	634	652	657	569
75°	294	319	336	344	346	311
85°	53	62	78	82	84	69
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1687.8	1687.8	1687.8	1687.8	1687.8
2.5°	1685.7	1697.6	1679.4	1682.9	1686.4
5°	1680.1	1692.0	1675.8	1677.3	1687.1
7.5°	1669.5	1682.9	1666.0	1668.8	1680.8
10°	1654.8	1668.1	1653.4	1656.2	1668.1
12.5°	1635.8	1649.2	1636.5	1640.7	1654.1
15°	1612.6	1626.7	1616.1	1623.9	1635.1
17.5°	1584.5	1602.1	1590.9	1602.8	1614.0
20°	1555.0	1572.6	1564.2	1574.7	1588.1
22.5°	1521.3	1538.9	1532.6	1543.8	1558.6
25°	1483.4	1502.4	1497.4	1511.5	1525.5
27.5°	1444.1	1462.3	1460.9	1476.4	1491.1
30°	1399.8	1419.5	1420.2	1438.4	1452.5
32.5°	1355.6	1373.1	1377.3	1397.7	1413.9
35°	1305.7	1324.0	1332.4	1354.9	1368.9
37.5°	1255.1	1275.5	1284.6	1309.2	1324.0
40°	1199.6	1222.8	1235.5	1261.5	1276.9
42.5°	1147.0	1168.0	1184.9	1210.9	1224.9
45°	1091.5	1112.6	1130.1	1158.9	1172.3
47.5°	1031.8	1055.0	1073.9	1102.0	1116.8
50°	968.6	993.9	1017.7	1045.1	1060.6
52.5°	906.1	930.6	958.0	984.7	1000.2
55°	842.1	867.4	896.2	924.3	939.1
57.5°	777.5	802.8	834.4	859.7	875.2
60°	714.3	737.5	769.8	795.1	807.7
62.5°	642.7	669.4	702.4	727.7	734.7
65°	576.6	600.5	633.5	652.5	656.7
67.5°	506.4	530.3	563.3	573.8	580.2
70°	435.5	460.8	489.6	496.6	501.5
72.5°	363.8	389.8	412.3	419.3	423.5
75°	293.6	318.9	335.7	344.2	345.6
77.5°	225.5	248.6	264.1	273.9	273.9
80°	160.8	178.4	195.3	205.8	205.1
82.5°	102.5	115.9	133.4	141.2	146.1
85°	53.4	61.8	78.0	81.5	83.6
87.5°	16.9	21.8	28.1	23.2	22.5
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	17.72	19.37	18.08	19.68	20.00	18.26	19.91	18.62	20.22	20.54
	3H	19.49	20.99	19.87	21.31	21.67	20.12	21.61	20.50	21.94	22.30
	4H	20.12	21.52	20.51	21.87	22.25	20.79	22.20	21.19	22.55	22.92
	6H	20.52	21.83	20.93	22.19	22.58	21.28	22.58	21.69	22.95	23.34
	8H	20.62	21.87	21.05	22.26	22.66	21.43	22.68	21.86	23.07	23.47
	12H	20.67	21.86	21.10	22.25	22.67	21.53	22.73	21.96	23.11	23.54
4H	2H	18.46	19.87	18.86	20.21	20.59	18.88	20.29	19.28	20.63	21.01
	3H	20.45	21.63	20.86	22.03	22.43	20.96	22.14	21.37	22.54	22.94
	4H	21.20	22.27	21.63	22.68	23.12	21.76	22.83	22.19	23.24	23.68
	6H	21.72	22.65	22.17	23.09	23.55	22.37	23.31	22.83	23.75	24.20
	8H	21.85	22.73	22.31	23.17	23.64	22.58	23.45	23.04	23.89	24.36
	12H	21.93	22.72	22.41	23.19	23.66	22.72	23.50	23.20	23.98	24.45
8H	4H	21.55	22.43	22.01	22.87	23.34	22.05	22.92	22.51	23.37	23.83
	6H	22.19	22.91	22.68	23.40	23.88	22.78	23.51	23.27	24.00	24.47
	8H	22.38	23.03	22.89	23.54	24.02	23.05	23.71	23.56	24.21	24.70
	12H	22.51	23.08	23.01	23.57	24.13	23.26	23.84	23.77	24.33	24.89
12H	4H	21.60	22.38	22.08	22.86	23.33	22.07	22.86	22.55	23.34	23.80
	6H	22.25	22.91	22.76	23.41	23.90	22.82	23.48	23.33	23.98	24.47
	8H	22.50	23.08	23.01	23.57	24.13	23.15	23.73	23.66	24.22	24.78