

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: P1587771

Luminaire Tested: 22CZSP-SB-52-L950

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587771
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-7)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CZSP-SB-52-L950
Description: 2x2 CZSP LED Luminaire, 5000K CCT and 5000 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

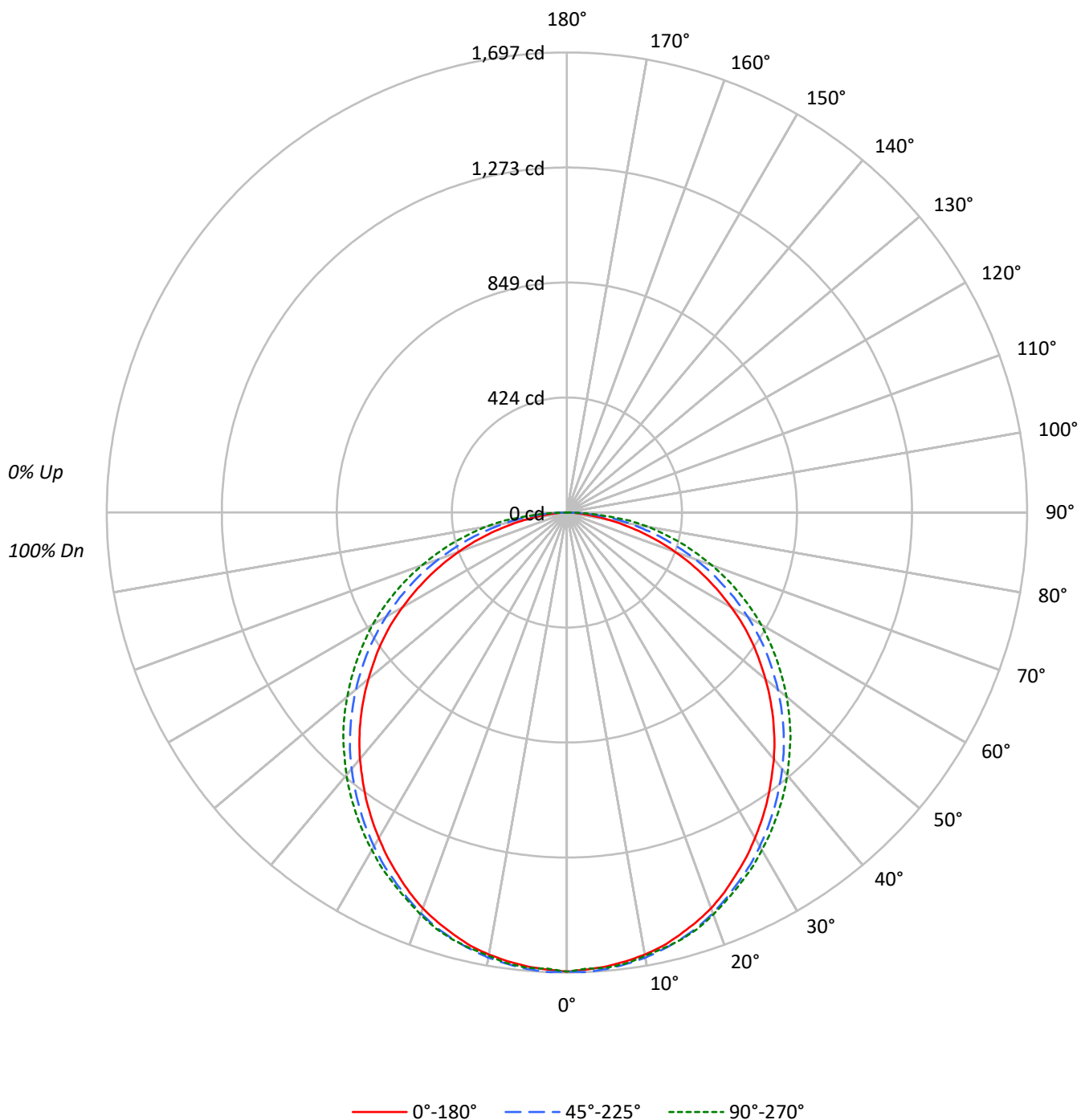
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4942.0 lumens
Efficiency: N/A
Efficacy: 132.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.88' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 37.2
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	108	103	99	95	106	101	97	93	97	93	90		93	90	88		89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74		81	76	72		78	74	71	68
3	89	79	70	63	87	77	69	63	74	67	62		71	65	61		69	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52		63	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40		51	44	39		50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35		47	40	35		45	39	34	32
8	60	46	37	32	58	45	37	31	44	37	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25		37	30	25		36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5303	5303	5303
5°	5284	5313	5300
10°	5265	5301	5281
15°	5225	5280	5286
20°	5179	5242	5260
25°	5095	5186	5222
30°	5015	5143	5200
35°	4934	5094	5182
40°	4853	5049	5169
45°	4762	5002	5165
50°	4657	4947	5152
55°	4551	4894	5151
60°	4383	4821	5182
65°	4177	4727	5185
70°	3897	4597	5200
75°	3467	4429	5289
80°	2847	4243	5489
85°	1879	3984	4962

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 5621 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.2	3.2
10°-20°	458.5	9.3
20°-30°	691.1	14.0
30°-40°	832.3	16.8
40°-50°	869.5	17.6
50°-60°	798.8	16.2
60°-70°	629.1	12.7
70°-80°	385.7	7.8
80°-90°	116.9	2.4
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°	1309.8	26.5
0°-40°	2142.1	43.3
0°-60°	3810.3	77.1
0°-90°	4942.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4942.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1693	1693	1693	1693	1693	
5°	1681	1684	1690	1688	1686	160
15°	1612	1618	1629	1635	1631	455
25°	1475	1484	1501	1517	1511	680
35°	1291	1308	1333	1357	1356	807
45°	1075	1098	1130	1161	1166	829
55°	834	858	896	935	944	744
65°	564	593	638	681	700	557
75°	287	320	366	410	437	305
85°	52	77	111	123	138	67
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1693.4	1693.4	1693.4	1693.4	1693.4
2.5°	1687.1	1691.3	1696.6	1688.2	1684.0
5°	1680.9	1684.0	1690.3	1688.2	1686.1
7.5°	1669.4	1671.5	1679.8	1679.8	1677.7
10°	1655.8	1660.0	1667.3	1666.2	1661.0
12.5°	1638.0	1641.1	1649.5	1649.5	1646.4
15°	1611.8	1618.1	1628.6	1634.9	1630.7
17.5°	1584.6	1590.9	1604.5	1610.8	1608.7
20°	1554.3	1559.5	1573.1	1582.6	1578.4
22.5°	1516.7	1522.9	1538.6	1549.1	1544.9
25°	1474.8	1484.2	1501.0	1516.7	1511.4
27.5°	1433.0	1443.4	1464.4	1480.0	1478.0
30°	1387.0	1400.6	1422.5	1442.4	1438.2
32.5°	1339.9	1355.6	1378.6	1399.5	1398.5
35°	1290.7	1307.5	1332.6	1356.6	1355.6
37.5°	1238.4	1258.3	1284.5	1310.6	1311.6
40°	1187.2	1206.0	1235.3	1263.5	1264.6
42.5°	1132.8	1152.7	1184.0	1213.3	1214.4
45°	1075.3	1098.3	1129.6	1161.0	1166.3
47.5°	1016.7	1040.7	1073.2	1106.6	1112.9
50°	956.0	981.1	1015.6	1051.2	1057.5
52.5°	894.3	920.5	956.0	991.6	1001.0
55°	833.6	857.7	896.4	935.1	943.5
57.5°	769.8	791.8	833.6	874.4	884.9
60°	699.8	726.9	769.8	810.6	827.4
62.5°	631.8	661.1	705.0	745.8	764.6
65°	563.8	593.1	638.0	680.9	699.8
67.5°	494.7	525.1	573.2	614.0	634.9
70°	425.7	456.0	502.1	546.0	568.0
72.5°	356.7	389.1	434.1	479.1	501.0
75°	286.6	320.1	366.1	410.0	437.2
77.5°	220.7	253.1	299.1	344.1	367.1
80°	157.9	190.4	235.3	280.3	304.4
82.5°	100.4	130.7	174.7	212.3	234.3
85°	52.3	77.4	110.9	123.4	138.1
87.5°	15.7	30.3	42.9	48.1	59.6
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	17.31	18.97	17.67	19.29	19.60	18.06	19.72	18.42	20.03	20.35
	3H	19.07	20.58	19.45	20.91	21.27	20.15	21.66	20.53	21.98	22.34
	4H	19.70	21.12	20.09	21.47	21.84	21.04	22.46	21.43	22.81	23.18
	6H	20.11	21.43	20.52	21.79	22.18	21.80	23.12	22.21	23.49	23.88
	8H	20.21	21.48	20.64	21.87	22.26	22.11	23.38	22.54	23.77	24.16
	12H	20.27	21.48	20.70	21.86	22.29	22.33	23.54	22.76	23.92	24.35
4H	2H	18.08	19.50	18.48	19.85	20.22	18.66	20.08	19.06	20.43	20.80
	3H	20.07	21.27	20.48	21.67	22.07	20.99	22.19	21.40	22.58	22.98
	4H	20.83	21.91	21.26	22.33	22.76	22.02	23.11	22.45	23.52	23.96
	6H	21.36	22.32	21.82	22.76	23.21	22.95	23.91	23.41	24.34	24.80
	8H	21.51	22.40	21.97	22.84	23.31	23.34	24.23	23.80	24.67	25.13
	12H	21.60	22.40	22.08	22.87	23.34	23.61	24.42	24.09	24.89	25.36
8H	4H	21.28	22.17	21.74	22.61	23.08	22.32	23.21	22.78	23.66	24.12
	6H	21.96	22.70	22.45	23.19	23.66	23.41	24.15	23.90	24.64	25.11
	8H	22.18	22.85	22.68	23.35	23.84	23.89	24.56	24.40	25.07	25.55
	12H	22.32	22.92	22.83	23.41	23.96	24.27	24.86	24.77	25.35	25.91
12H	4H	21.36	22.17	21.84	22.64	23.11	22.35	23.15	22.83	23.63	24.10
	6H	22.08	22.75	22.59	23.26	23.74	23.46	24.13	23.97	24.63	25.12
	8H	22.38	22.97	22.88	23.46	24.02	24.01	24.60	24.52	25.09	25.65