

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: P1587770

Luminaire Tested: 22CZSP-SB-52-L950-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587770
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-8)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CZSP-SB-52-L950-S
Description: 2x2 CZSP LED Luminaire, 5000K CCT and 5000 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

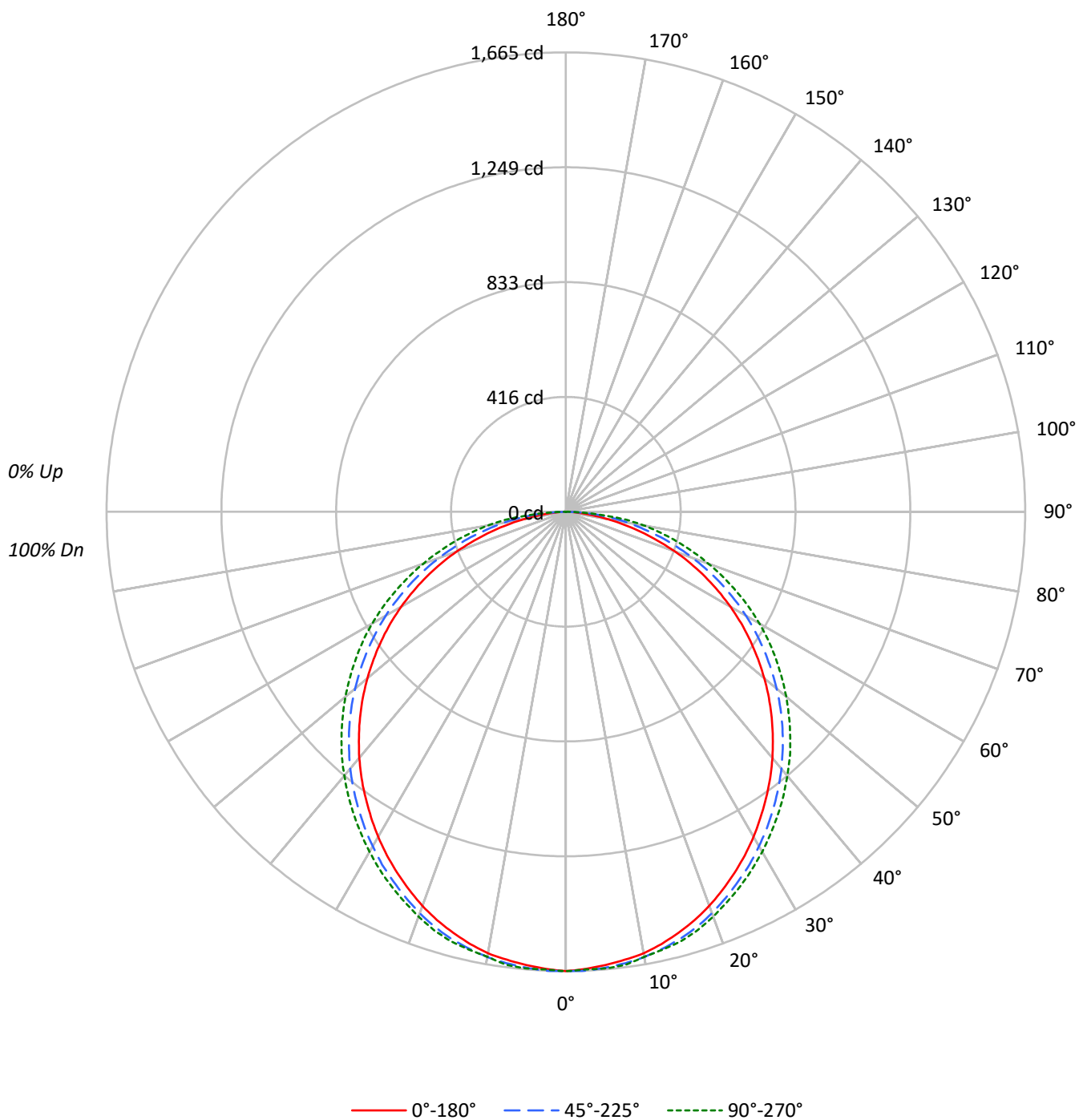
Lumens per Lamp: N/A
Luminaire Lumens: 4843.0 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1.88' x L: 1.83' x H: 0')
CIE Type: Direct

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
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	108	103	99	95	106	101	97	93	97	94	90		93	90	88		89
2	98	90	83	77	96	88	81	76	84	79	74		81	76	72		78
3	89	79	70	64	87	77	69	63	74	67	62		71	66	61		69
4	82	70	61	54	79	68	60	53	66	58	53		63	57	52		61
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55
6	69	56	47	40	67	55	46	40	53	45	40		51	45	39		50
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45
8	60	46	38	32	58	45	37	31	44	37	31		43	36	31		42
9	56	42	34	28	54	42	34	28	41	33	28		39	33	28		38
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5213	5213	5213
5°	5184	5213	5223
10°	5168	5211	5208
15°	5120	5194	5225
20°	5065	5159	5204
25°	4993	5108	5173
30°	4920	5063	5146
35°	4839	5014	5122
40°	4761	4970	5106
45°	4674	4918	5094
50°	4573	4857	5080
55°	4459	4795	5073
60°	4319	4724	5076
65°	4122	4624	5049
70°	3854	4483	5036
75°	3415	4311	5055
80°	2781	4095	5204
85°	1796	3780	4491

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 5273 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.5	3.3
10°-20°	451.2	9.3
20°-30°	680.2	14.0
30°-40°	818.5	16.9
40°-50°	853.8	17.6
50°-60°	782.6	16.2
60°-70°	614.5	12.7
70°-80°	374.0	7.7
80°-90°	110.6	2.3
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°	1289.0	26.6
0°-40°	2107.5	43.5
0°-60°	3743.8	77.3
0°-90°	4843.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4843.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1665	1665	1665	1665	1665	
5°	1649	1660	1659	1656	1662	157
15°	1579	1595	1602	1604	1612	446
25°	1445	1465	1478	1488	1497	666
35°	1266	1286	1312	1330	1340	792
45°	1055	1077	1111	1137	1150	814
55°	817	838	878	914	929	730
65°	556	577	624	666	681	550
75°	282	308	356	399	418	299
85°	50	71	105	118	125	65
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1664.9	1664.9	1664.9	1664.9	1664.9
2.5°	1658.6	1666.9	1664.9	1657.6	1660.7
5°	1649.2	1659.6	1658.6	1656.5	1661.7
7.5°	1637.8	1649.2	1650.3	1650.3	1656.5
10°	1625.3	1636.7	1638.8	1635.7	1637.8
12.5°	1604.4	1618.0	1622.1	1622.1	1625.3
15°	1579.4	1595.1	1602.3	1604.4	1611.7
17.5°	1552.3	1569.0	1578.4	1583.6	1589.8
20°	1520.0	1537.8	1548.2	1554.4	1561.7
22.5°	1483.6	1503.4	1514.8	1521.1	1529.4
25°	1445.0	1464.8	1478.4	1487.7	1497.1
27.5°	1404.4	1423.1	1441.9	1453.4	1461.7
30°	1360.6	1380.4	1400.2	1414.8	1423.1
32.5°	1313.8	1334.6	1357.5	1373.1	1382.5
35°	1265.8	1285.6	1311.7	1330.4	1339.8
37.5°	1216.9	1237.7	1264.8	1284.6	1296.0
40°	1164.8	1186.7	1215.8	1237.7	1249.2
42.5°	1110.6	1131.4	1163.7	1188.7	1202.3
45°	1055.4	1077.3	1110.6	1136.6	1150.2
47.5°	998.1	1018.9	1055.4	1085.6	1097.1
50°	938.7	958.5	997.0	1029.3	1042.9
52.5°	878.3	899.1	937.7	972.0	986.6
55°	816.8	837.6	878.3	913.7	929.3
57.5°	754.3	775.1	816.8	853.3	872.0
60°	689.7	710.5	754.3	791.8	810.5
62.5°	623.0	644.9	689.7	728.2	748.0
65°	556.3	577.2	624.1	665.7	681.4
67.5°	489.7	510.5	556.3	598.0	616.8
70°	420.9	444.9	489.7	533.4	550.1
72.5°	349.0	376.1	420.9	466.7	483.4
75°	282.3	308.4	356.3	399.0	417.8
77.5°	216.7	244.8	289.6	333.4	352.1
80°	154.2	181.3	227.1	268.8	288.6
82.5°	97.9	121.9	167.7	205.2	219.8
85°	50.0	70.8	105.2	117.7	125.0
87.5°	14.6	25.0	37.5	46.9	52.1
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	17.24	18.90	17.60	19.21	19.52	17.97	19.63	18.34	19.95	20.26
	3H	19.00	20.51	19.38	20.84	21.20	20.05	21.56	20.43	21.88	22.24
	4H	19.62	21.04	20.02	21.39	21.77	20.92	22.34	21.31	22.68	23.06
	6H	20.03	21.35	20.44	21.71	22.10	21.66	22.98	22.07	23.34	23.73
	8H	20.14	21.40	20.56	21.78	22.18	21.96	23.22	22.38	23.60	24.00
	12H	20.18	21.39	20.61	21.77	22.20	22.15	23.36	22.58	23.74	24.17
4H	2H	18.00	19.42	18.40	19.77	20.15	18.58	20.00	18.97	20.34	20.72
	3H	20.00	21.19	20.40	21.59	21.99	20.89	22.08	21.30	22.48	22.88
	4H	20.74	21.82	21.17	22.23	22.67	21.91	22.99	22.34	23.40	23.84
	6H	21.27	22.22	21.72	22.66	23.11	22.81	23.76	23.27	24.20	24.66
	8H	21.41	22.30	21.87	22.74	23.20	23.18	24.07	23.64	24.51	24.97
	12H	21.49	22.29	21.97	22.76	23.23	23.43	24.23	23.91	24.71	25.18
8H	4H	21.18	22.07	21.64	22.51	22.98	22.21	23.09	22.66	23.54	24.00
	6H	21.85	22.59	22.34	23.08	23.55	23.26	24.00	23.75	24.49	24.97
	8H	22.06	22.72	22.56	23.23	23.71	23.73	24.40	24.24	24.91	25.39
	12H	22.19	22.78	22.70	23.27	23.83	24.09	24.68	24.59	25.17	25.72
12H	4H	21.26	22.07	21.74	22.54	23.01	22.23	23.03	22.71	23.51	23.98
	6H	21.97	22.64	22.48	23.14	23.63	23.31	23.98	23.82	24.49	24.97
	8H	22.25	22.84	22.75	23.33	23.89	23.85	24.44	24.36	24.93	25.49