

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: P1587764

Luminaire Tested: 22CZSP-SB-52-L935-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587764
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-L935-S
Description: 2x2 CZSP LED Luminaire, 3500K CCT and 5000 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

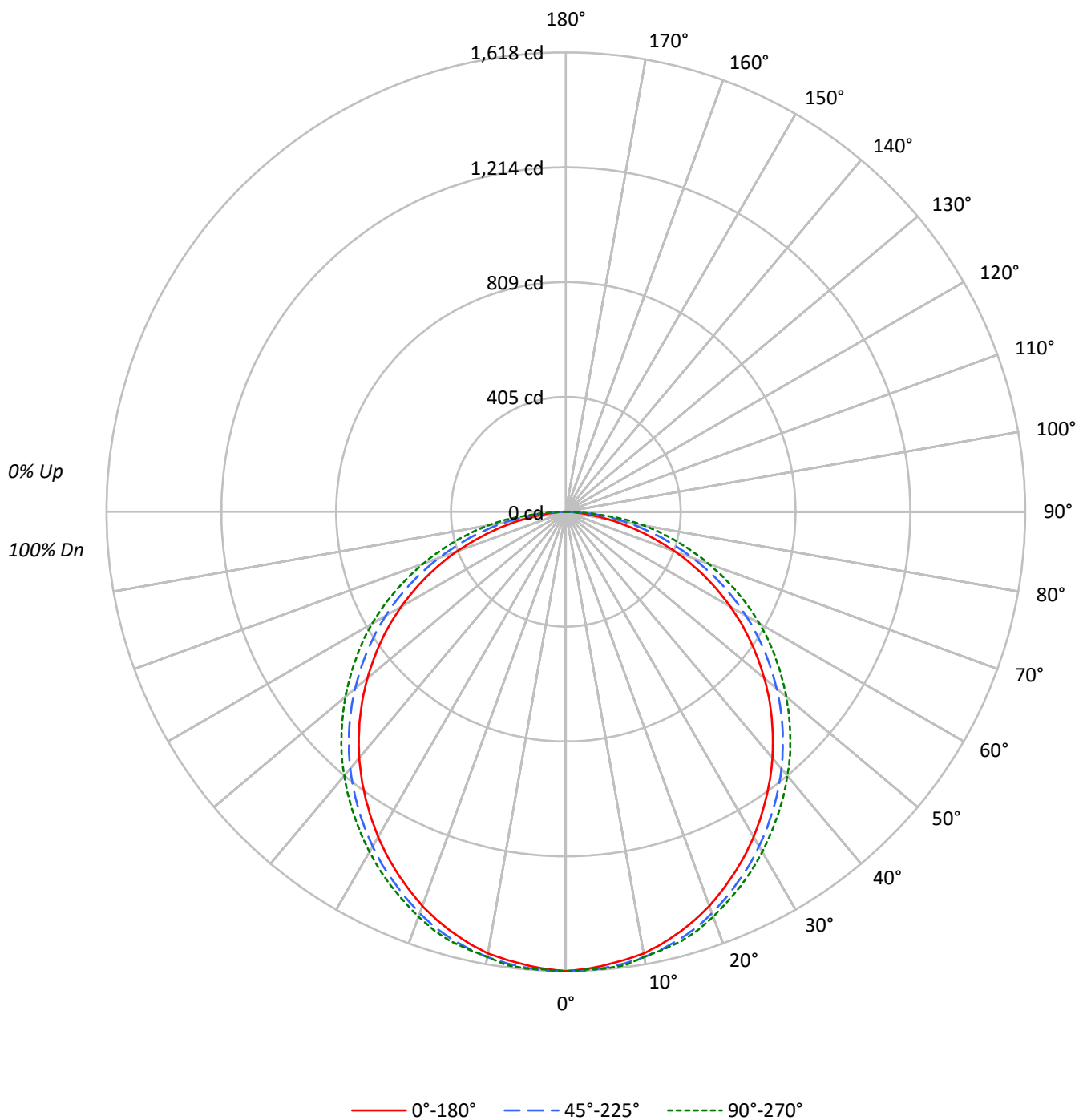
Lumens per Lamp: N/A
Luminaire Lumens: 4707.0 lumens
Efficiency: N/A
Efficacy: 126.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1.88' x L: 1.83' x H: 0')
CIE Type: Direct

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			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	94	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	69
3	89	79	70	64	87	77	69	63	74	67	62		71	66	61		69	64	60	58
4	82	70	61	54	79	68	60	53	66	58	53		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	45	39		50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	38	32	58	45	37	31	44	37	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5067	5067	5067
5°	5038	5067	5077
10°	5023	5065	5061
15°	4976	5048	5078
20°	4923	5014	5058
25°	4852	4965	5027
30°	4781	4921	5001
35°	4703	4873	4978
40°	4628	4830	4963
45°	4542	4780	4950
50°	4444	4720	4938
55°	4334	4660	4931
60°	4198	4591	4934
65°	4006	4494	4906
70°	3745	4357	4894
75°	3320	4190	4912
80°	2703	3980	5058
85°	1746	3675	4365

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 5127 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.1	3.3
10°-20°	438.5	9.3
20°-30°	661.2	14.0
30°-40°	795.5	16.9
40°-50°	829.8	17.6
50°-60°	760.6	16.2
60°-70°	597.3	12.7
70°-80°	363.5	7.7
80°-90°	107.5	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°	1252.8	26.6
0°-40°	2048.3	43.5
0°-60°	3638.7	77.3
0°-90°	4707.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4707.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1618	1618	1618	1618	1618	
5°	1603	1613	1612	1610	1615	152
15°	1535	1550	1557	1559	1566	433
25°	1404	1424	1437	1446	1455	647
35°	1230	1250	1275	1293	1302	770
45°	1026	1047	1079	1105	1118	791
55°	794	814	854	888	903	709
65°	541	561	606	647	662	535
75°	274	300	346	388	406	291
85°	49	69	102	114	122	63
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1618.1	1618.1	1618.1	1618.1	1618.1
2.5°	1612.0	1620.1	1618.1	1611.0	1614.1
5°	1602.9	1613.0	1612.0	1610.0	1615.1
7.5°	1591.8	1602.9	1603.9	1603.9	1610.0
10°	1579.6	1590.8	1592.8	1589.8	1591.8
12.5°	1559.4	1572.5	1576.6	1576.6	1579.6
15°	1535.1	1550.3	1557.3	1559.4	1566.5
17.5°	1508.7	1524.9	1534.1	1539.1	1545.2
20°	1477.4	1494.6	1504.7	1510.8	1517.9
22.5°	1441.9	1461.2	1472.3	1478.4	1486.5
25°	1404.4	1423.7	1436.9	1446.0	1455.1
27.5°	1365.0	1383.2	1401.4	1412.5	1420.7
30°	1322.4	1341.7	1360.9	1375.1	1383.2
32.5°	1276.9	1297.1	1319.4	1334.6	1343.7
35°	1230.3	1249.5	1274.8	1293.1	1302.2
37.5°	1182.7	1202.9	1229.3	1248.5	1259.7
40°	1132.1	1153.3	1181.7	1202.9	1214.1
42.5°	1079.4	1099.7	1131.1	1155.4	1168.5
45°	1025.7	1047.0	1079.4	1104.7	1117.9
47.5°	970.1	990.3	1025.7	1055.1	1066.2
50°	912.3	931.6	969.0	1000.4	1013.6
52.5°	853.6	873.9	911.3	944.7	958.9
55°	793.9	814.1	853.6	888.0	903.2
57.5°	733.1	753.4	793.9	829.3	847.5
60°	670.3	690.6	733.1	769.6	787.8
62.5°	605.5	626.8	670.3	707.8	727.0
65°	540.7	561.0	606.5	647.0	662.2
67.5°	475.9	496.2	540.7	581.2	599.4
70°	409.1	432.4	475.9	518.4	534.6
72.5°	339.2	365.5	409.1	453.6	469.8
75°	274.4	299.7	346.3	387.8	406.0
77.5°	210.6	238.0	281.5	324.0	342.3
80°	149.9	176.2	220.7	261.2	280.5
82.5°	95.2	118.5	163.0	199.5	213.7
85°	48.6	68.9	102.3	114.4	121.5
87.5°	14.2	24.3	36.5	45.6	50.6
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	17.14	18.80	17.50	19.11	19.43	17.87	19.53	18.24	19.85	20.16
	3H	18.91	20.41	19.28	20.74	21.10	19.95	21.46	20.33	21.78	22.14
	4H	19.53	20.95	19.92	21.29	21.67	20.82	22.24	21.21	22.58	22.96
	6H	19.93	21.25	20.34	21.62	22.01	21.56	22.88	21.97	23.24	23.63
	8H	20.04	21.30	20.46	21.69	22.08	21.86	23.12	22.28	23.51	23.90
	12H	20.09	21.29	20.51	21.68	22.10	22.05	23.26	22.48	23.64	24.07
4H	2H	17.91	19.33	18.30	19.67	20.05	18.48	19.90	18.87	20.24	20.62
	3H	19.90	21.09	20.31	21.49	21.89	20.79	21.99	21.20	22.38	22.78
	4H	20.64	21.72	21.07	22.14	22.57	21.81	22.89	22.24	23.30	23.74
	6H	21.17	22.12	21.62	22.56	23.01	22.71	23.66	23.17	24.10	24.56
	8H	21.31	22.20	21.77	22.64	23.11	23.08	23.97	23.54	24.41	24.88
	12H	21.39	22.19	21.87	22.67	23.13	23.33	24.14	23.81	24.61	25.08
8H	4H	21.09	21.97	21.54	22.42	22.88	22.11	23.00	22.56	23.44	23.90
	6H	21.75	22.49	22.24	22.98	23.45	23.16	23.91	23.66	24.39	24.87
	8H	21.96	22.62	22.46	23.13	23.61	23.64	24.30	24.14	24.81	25.29
	12H	22.09	22.68	22.60	23.17	23.73	23.99	24.58	24.49	25.07	25.63
12H	4H	21.17	21.97	21.64	22.44	22.91	22.13	22.93	22.61	23.41	23.88
	6H	21.87	22.54	22.38	23.04	23.53	23.21	23.88	23.72	24.39	24.87
	8H	22.15	22.74	22.65	23.23	23.79	23.75	24.34	24.26	24.83	25.39