

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: P1587802

Luminaire Tested: 22CZSP-SB-57HE-L930-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587802
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-57HE-L930-S
Description: 2x2 CZSP LED Luminaire, 3000K CCT and 5700 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

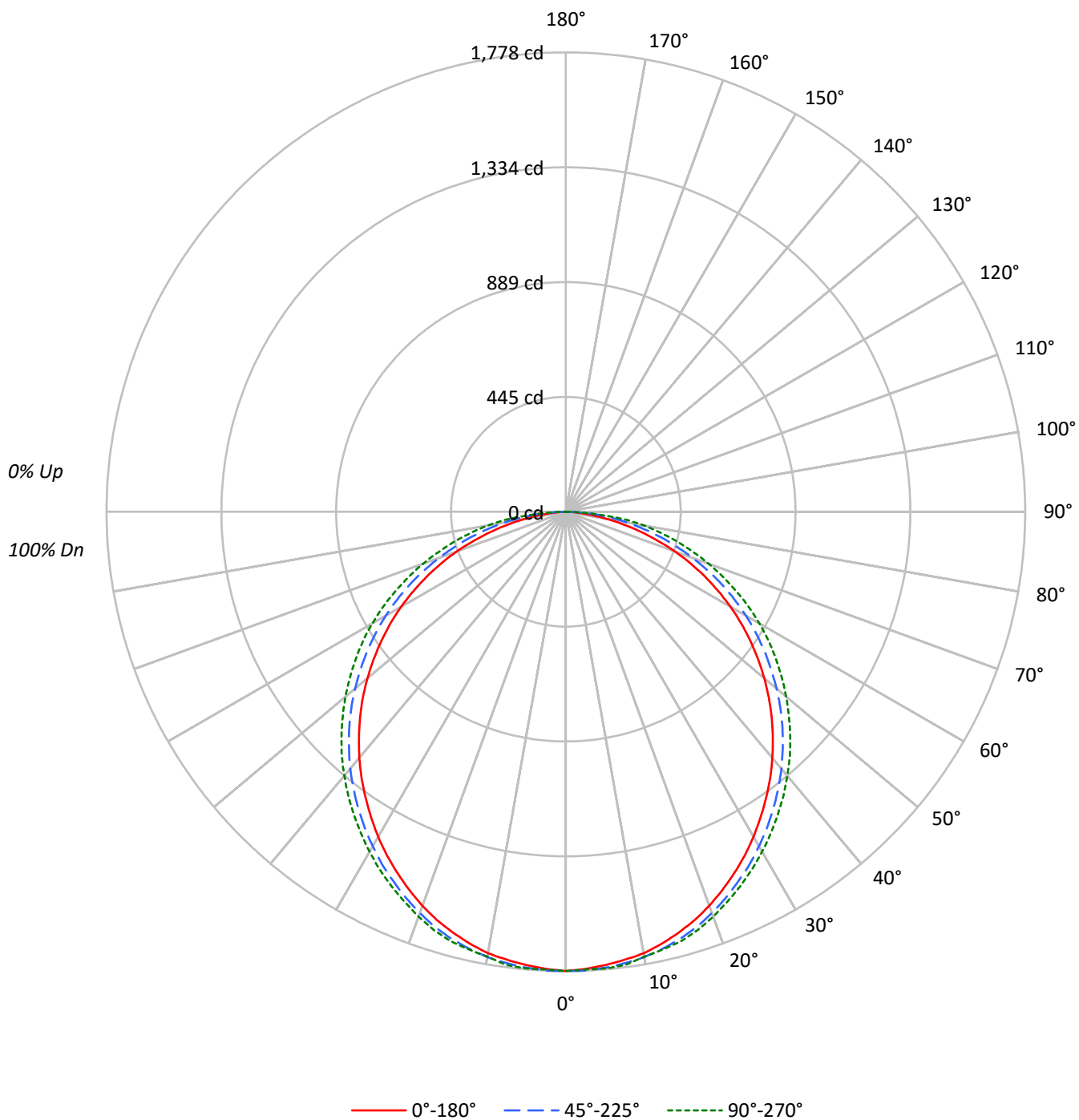
Lumens per Lamp: N/A
Luminaire Lumens: 5171.0 lumens
Efficiency: N/A
Efficacy: 132.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1.88' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 38.9
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	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°	5566	5566	5566
5°	5535	5566	5577
10°	5518	5564	5560
15°	5467	5546	5579
20°	5408	5508	5557
25°	5331	5454	5523
30°	5253	5406	5494
35°	5167	5354	5468
40°	5084	5307	5452
45°	4990	5251	5438
50°	4883	5186	5424
55°	4761	5120	5417
60°	4612	5044	5420
65°	4401	4937	5390
70°	4114	4786	5377
75°	3648	4602	5397
80°	2968	4373	5556
85°	1919	4038	4796

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 5630 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.2	3.3
10°-20°	481.7	9.3
20°-30°	726.3	14.0
30°-40°	873.9	16.9
40°-50°	911.6	17.6
50°-60°	835.6	16.2
60°-70°	656.1	12.7
70°-80°	399.3	7.7
80°-90°	118.1	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°	1376.3	26.6
0°-40°	2250.2	43.5
0°-60°	3997.4	77.3
0°-90°	5171.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5171.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1778	1778	1778	1778	1778	
5°	1761	1772	1771	1769	1774	167
15°	1686	1703	1711	1713	1721	476
25°	1543	1564	1578	1588	1598	711
35°	1352	1373	1400	1420	1430	846
45°	1127	1150	1186	1214	1228	869
55°	872	894	938	976	992	779
65°	594	616	666	711	728	588
75°	302	329	380	426	446	320
85°	53	76	112	126	134	70
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1777.6	1777.6	1777.6	1777.6	1777.6
2.5°	1770.9	1779.8	1777.6	1769.8	1773.2
5°	1760.9	1772.0	1770.9	1768.7	1774.3
7.5°	1748.7	1760.9	1762.0	1762.0	1768.7
10°	1735.3	1747.6	1749.8	1746.5	1748.7
12.5°	1713.1	1727.6	1732.0	1732.0	1735.3
15°	1686.4	1703.1	1710.9	1713.1	1720.9
17.5°	1657.5	1675.3	1685.3	1690.8	1697.5
20°	1623.0	1641.9	1653.0	1659.7	1667.5
22.5°	1584.1	1605.2	1617.4	1624.1	1633.0
25°	1542.9	1564.0	1578.5	1588.5	1598.5
27.5°	1499.5	1519.5	1539.6	1551.8	1560.7
30°	1452.8	1473.9	1495.1	1510.6	1519.5
32.5°	1402.7	1425.0	1449.5	1466.1	1476.2
35°	1351.6	1372.7	1400.5	1420.5	1430.5
37.5°	1299.3	1321.5	1350.5	1371.6	1383.8
40°	1243.7	1267.0	1298.2	1321.5	1333.8
42.5°	1185.8	1208.1	1242.5	1269.2	1283.7
45°	1126.9	1150.2	1185.8	1213.6	1228.1
47.5°	1065.7	1087.9	1126.9	1159.1	1171.4
50°	1002.3	1023.4	1064.6	1099.0	1113.5
52.5°	937.8	960.0	1001.2	1037.9	1053.4
55°	872.1	894.4	937.8	975.6	992.3
57.5°	805.4	827.6	872.1	911.1	931.1
60°	736.4	758.7	805.4	845.4	865.4
62.5°	665.2	688.6	736.4	777.6	798.7
65°	594.0	616.3	666.3	710.8	727.5
67.5°	522.8	545.1	594.0	638.5	658.5
70°	449.4	475.0	522.8	569.5	587.3
72.5°	372.7	401.6	449.4	498.4	516.2
75°	301.5	329.3	380.4	426.0	446.1
77.5°	231.4	261.4	309.2	356.0	376.0
80°	164.6	193.6	242.5	287.0	308.1
82.5°	104.6	130.2	179.1	219.1	234.7
85°	53.4	75.6	112.4	125.7	133.5
87.5°	15.6	26.7	40.0	50.1	55.6
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	17.46	19.12	17.83	19.44	19.75	18.20	19.86	18.56	20.17	20.49
	3H	19.23	20.74	19.61	21.06	21.42	20.28	21.78	20.65	22.11	22.47
	4H	19.85	21.27	20.25	21.62	21.99	21.14	22.56	21.54	22.91	23.29
	6H	20.26	21.58	20.67	21.94	22.33	21.89	23.21	22.30	23.57	23.96
	8H	20.36	21.62	20.79	22.01	22.41	22.18	23.44	22.61	23.83	24.23
	12H	20.41	21.62	20.84	22.00	22.43	22.38	23.58	22.81	23.97	24.39
4H	2H	18.23	19.65	18.63	20.00	20.37	18.80	20.22	19.20	20.57	20.95
	3H	20.22	21.42	20.63	21.82	22.21	21.12	22.31	21.53	22.71	23.11
	4H	20.97	22.05	21.40	22.46	22.90	22.14	23.22	22.57	23.63	24.07
	6H	21.49	22.44	21.95	22.88	23.34	23.04	23.99	23.49	24.43	24.88
	8H	21.64	22.53	22.10	22.97	23.43	23.41	24.30	23.87	24.74	25.20
	12H	21.72	22.52	22.20	22.99	23.46	23.66	24.46	24.14	24.94	25.41
8H	4H	21.41	22.30	21.87	22.74	23.21	22.43	23.32	22.89	23.76	24.23
	6H	22.08	22.82	22.57	23.30	23.78	23.49	24.23	23.98	24.72	25.19
	8H	22.28	22.95	22.79	23.46	23.94	23.96	24.63	24.47	25.13	25.62
	12H	22.42	23.01	22.93	23.50	24.06	24.31	24.90	24.82	25.39	25.95
12H	4H	21.49	22.29	21.97	22.77	23.24	22.46	23.26	22.94	23.73	24.20
	6H	22.20	22.87	22.71	23.37	23.86	23.54	24.21	24.05	24.71	25.20
	8H	22.48	23.07	22.98	23.56	24.11	24.08	24.67	24.58	25.16	25.72