

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: P1587811

Luminaire Tested: 22CZSP-SB-57HE-L950

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587811
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-57HE-L950
Description: 2x2 CZSP LED Luminaire, 5000K CCT and 5700 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

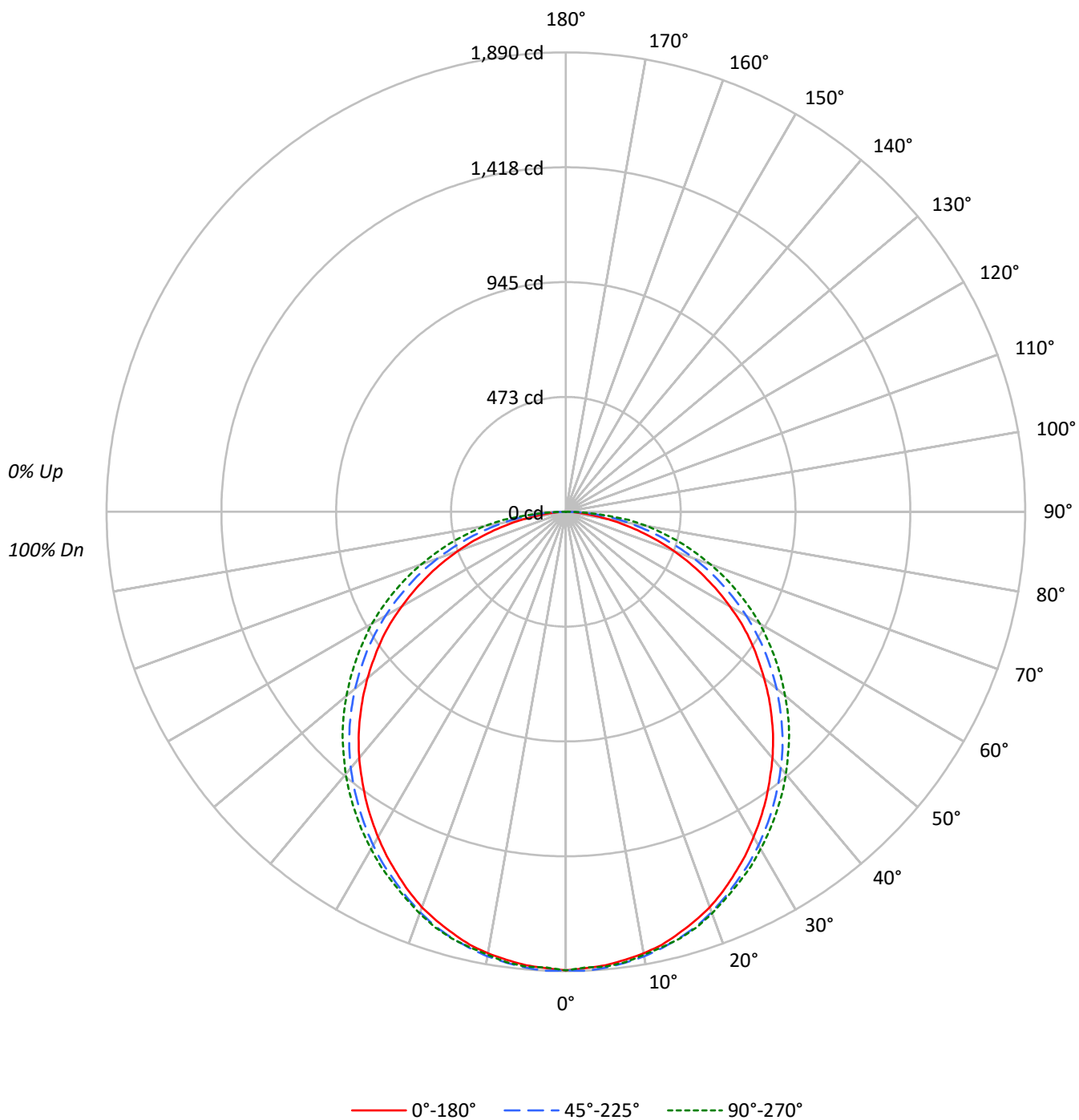
Lumens per Lamp: N/A
Luminaire Lumens: 5506.0 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.88' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	5908	5908	5908
5°	5886	5919	5905
10°	5865	5906	5884
15°	5822	5882	5890
20°	5771	5841	5860
25°	5677	5778	5818
30°	5587	5731	5794
35°	5497	5675	5773
40°	5407	5626	5759
45°	5305	5574	5754
50°	5189	5512	5740
55°	5071	5452	5738
60°	4882	5371	5773
65°	4654	5267	5776
70°	4342	5122	5794
75°	3863	4935	5893
80°	3174	4728	6115
85°	2095	4437	5526

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 6261 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.5	3.2
10°-20°	510.8	9.3
20°-30°	770.0	14.0
30°-40°	927.2	16.8
40°-50°	968.7	17.6
50°-60°	890.0	16.2
60°-70°	700.8	12.7
70°-80°	429.7	7.8
80°-90°	130.3	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°	1459.3	26.5
0°-40°	2386.5	43.3
0°-60°	4245.2	77.1
0°-90°	5506.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5506.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1887	1887	1887	1887	1887	
5°	1873	1876	1883	1881	1878	178
15°	1796	1803	1814	1821	1817	507
25°	1643	1654	1672	1690	1684	757
35°	1438	1457	1485	1511	1510	899
45°	1198	1224	1259	1294	1299	924
55°	929	956	999	1042	1051	829
65°	628	661	711	759	780	621
75°	319	357	408	457	487	339
85°	58	86	124	138	154	75
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1886.7	1886.7	1886.7	1886.7	1886.7
2.5°	1879.7	1884.4	1890.2	1880.9	1876.2
5°	1872.7	1876.2	1883.2	1880.9	1878.5
7.5°	1859.9	1862.2	1871.5	1871.5	1869.2
10°	1844.7	1849.4	1857.6	1856.4	1850.6
12.5°	1824.9	1828.4	1837.7	1837.7	1834.2
15°	1795.8	1802.8	1814.4	1821.4	1816.8
17.5°	1765.5	1772.5	1787.6	1794.6	1792.3
20°	1731.7	1737.5	1752.7	1763.2	1758.5
22.5°	1689.7	1696.7	1714.2	1725.9	1721.2
25°	1643.1	1653.6	1672.3	1689.7	1683.9
27.5°	1596.5	1608.2	1631.5	1649.0	1646.6
30°	1545.2	1560.4	1584.9	1607.0	1602.3
32.5°	1492.8	1510.3	1535.9	1559.2	1558.1
35°	1438.0	1456.7	1484.6	1511.4	1510.3
37.5°	1379.8	1401.9	1431.0	1460.2	1461.3
40°	1322.7	1343.6	1376.3	1407.7	1408.9
42.5°	1262.1	1284.2	1319.2	1351.8	1353.0
45°	1198.0	1223.6	1258.6	1293.5	1299.4
47.5°	1132.7	1159.5	1195.6	1232.9	1239.9
50°	1065.1	1093.1	1131.5	1171.2	1178.2
52.5°	996.4	1025.5	1065.1	1104.7	1115.2
55°	928.8	955.6	998.7	1041.8	1051.1
57.5°	857.7	882.2	928.8	974.2	985.9
60°	779.6	809.9	857.7	903.1	921.8
62.5°	703.9	736.5	785.4	830.9	851.9
65°	628.1	660.7	710.9	758.6	779.6
67.5°	551.2	585.0	638.6	684.1	707.4
70°	474.3	508.1	559.4	608.3	632.8
72.5°	397.4	433.5	483.6	533.7	558.2
75°	319.3	356.6	407.9	456.8	487.1
77.5°	245.9	282.0	333.3	383.4	409.0
80°	176.0	212.1	262.2	312.3	339.1
82.5°	111.9	145.7	194.6	236.6	261.0
85°	58.3	86.2	123.5	137.5	153.8
87.5°	17.5	33.8	47.8	53.6	66.4
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	17.69	19.35	18.05	19.66	19.98	18.43	20.09	18.80	20.41	20.72
	3H	19.45	20.96	19.82	21.28	21.64	20.53	22.03	20.90	22.36	22.72
	4H	20.07	21.49	20.47	21.84	22.22	21.41	22.83	21.81	23.18	23.56
	6H	20.48	21.81	20.89	22.17	22.56	22.18	23.50	22.59	23.86	24.25
	8H	20.59	21.85	21.01	22.24	22.64	22.49	23.75	22.91	24.14	24.54
	12H	20.64	21.85	21.07	22.23	22.66	22.70	23.91	23.13	24.29	24.72
4H	2H	18.46	19.88	18.85	20.23	20.60	19.03	20.46	19.43	20.80	21.18
	3H	20.45	21.65	20.86	22.04	22.44	21.36	22.56	21.77	22.96	23.36
	4H	21.20	22.29	21.63	22.70	23.14	22.40	23.48	22.83	23.90	24.33
	6H	21.74	22.69	22.19	23.13	23.58	23.33	24.28	23.78	24.72	25.17
	8H	21.89	22.78	22.35	23.22	23.68	23.71	24.60	24.17	25.05	25.51
	12H	21.97	22.78	22.45	23.25	23.72	23.99	24.79	24.47	25.27	25.73
8H	4H	21.65	22.55	22.11	22.99	23.45	22.70	23.59	23.16	24.03	24.50
	6H	22.33	23.08	22.82	23.56	24.04	23.78	24.53	24.27	25.01	25.49
	8H	22.55	23.22	23.06	23.73	24.21	24.27	24.94	24.78	25.44	25.93
	12H	22.70	23.29	23.21	23.78	24.34	24.64	25.24	25.15	25.73	26.28
12H	4H	21.74	22.54	22.22	23.02	23.48	22.73	23.53	23.20	24.00	24.47
	6H	22.46	23.13	22.97	23.63	24.12	23.83	24.50	24.34	25.01	25.49
	8H	22.75	23.34	23.26	23.83	24.39	24.39	24.98	24.89	25.47	26.03