

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: P1587810

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

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587810
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-L950-S
Description: 2x2 CZSP LED Luminaire, 5000K CCT and 5700 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

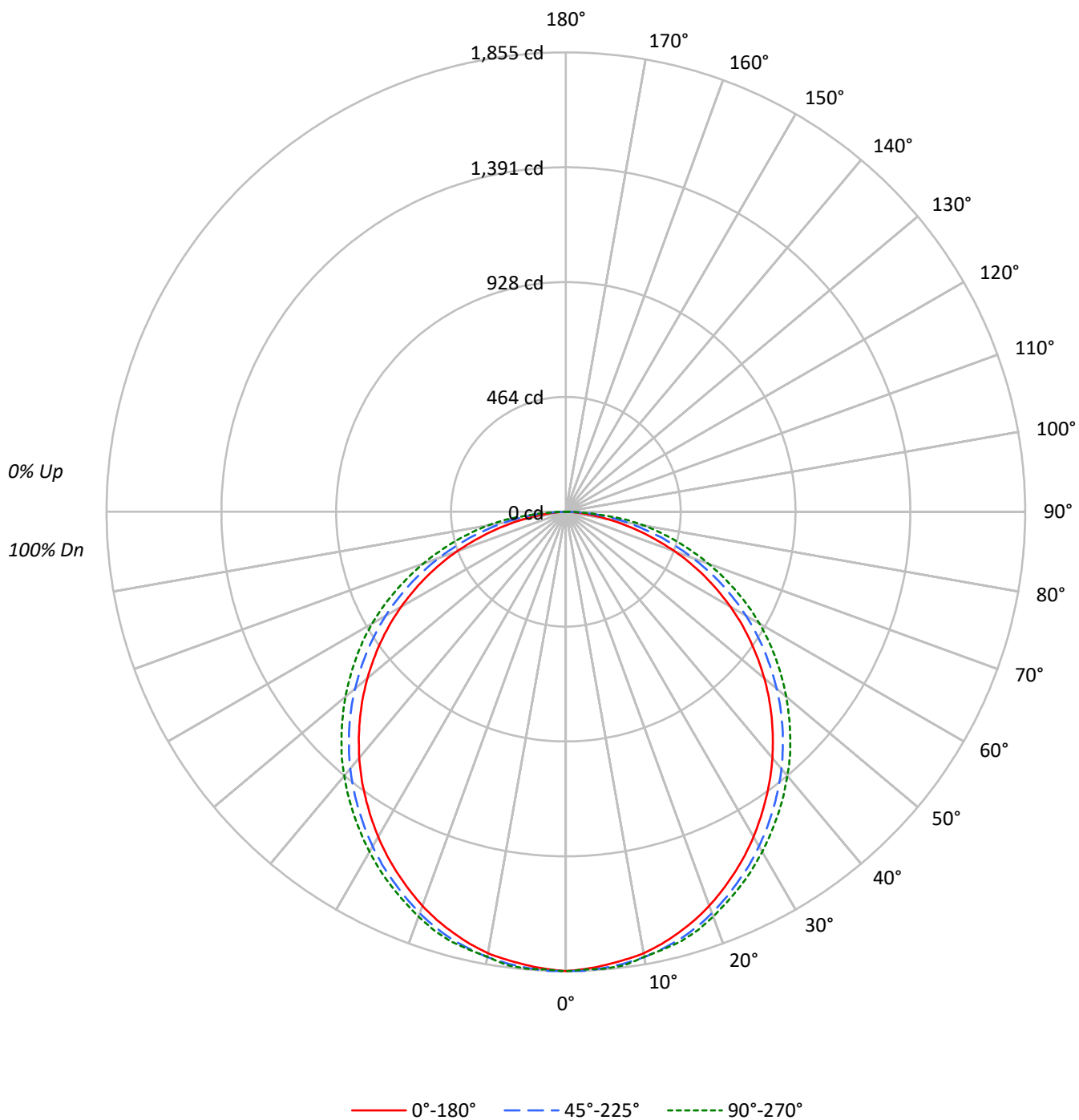
Lumens per Lamp: N/A
Luminaire Lumens: 5396.0 lumens
Efficiency: N/A
Efficacy: 138.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1.88' x L: 1.83' x H: 0')
CIE Type: Direct

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°	5809	5809	5809
5°	5776	5809	5820
10°	5758	5806	5802
15°	5705	5788	5822
20°	5644	5748	5798
25°	5563	5691	5763
30°	5481	5641	5733
35°	5391	5586	5706
40°	5305	5538	5689
45°	5207	5480	5675
50°	5095	5412	5661
55°	4969	5342	5653
60°	4812	5263	5656
65°	4593	5152	5625
70°	4294	4995	5611
75°	3806	4803	5632
80°	3098	4564	5797
85°	2001	4211	5005

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 5875 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.5	3.3
10°-20°	502.7	9.3
20°-30°	757.9	14.0
30°-40°	912.0	16.9
40°-50°	951.3	17.6
50°-60°	871.9	16.2
60°-70°	684.7	12.7
70°-80°	416.7	7.7
80°-90°	123.3	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°	1436.1	26.6
0°-40°	2348.1	43.5
0°-60°	4171.3	77.3
0°-90°	5396.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5396.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1855	1855	1855	1855	1855	
5°	1838	1849	1848	1846	1852	175
15°	1760	1777	1785	1788	1796	496
25°	1610	1632	1647	1658	1668	742
35°	1410	1432	1461	1482	1493	883
45°	1176	1200	1237	1266	1282	907
55°	910	933	979	1018	1035	813
65°	620	643	695	742	759	613
75°	315	344	397	445	466	333
85°	56	79	117	131	139	73
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1855.0	1855.0	1855.0	1855.0	1855.0
2.5°	1848.0	1857.3	1855.0	1846.8	1850.3
5°	1837.5	1849.2	1848.0	1845.7	1851.5
7.5°	1824.8	1837.5	1838.7	1838.7	1845.7
10°	1810.8	1823.6	1825.9	1822.5	1824.8
12.5°	1787.6	1802.7	1807.4	1807.4	1810.8
15°	1759.8	1777.2	1785.3	1787.6	1795.8
17.5°	1729.6	1748.2	1758.6	1764.4	1771.4
20°	1693.6	1713.3	1724.9	1731.9	1740.0
22.5°	1653.0	1675.0	1687.8	1694.8	1704.1
25°	1610.0	1632.1	1647.2	1657.6	1668.1
27.5°	1564.8	1585.7	1606.5	1619.3	1628.6
30°	1516.0	1538.1	1560.1	1576.4	1585.7
32.5°	1463.8	1487.0	1512.5	1529.9	1540.4
35°	1410.4	1432.4	1461.4	1482.3	1492.8
37.5°	1355.8	1379.0	1409.2	1431.3	1444.0
40°	1297.8	1322.2	1354.7	1379.0	1391.8
42.5°	1237.4	1260.6	1296.6	1324.5	1339.6
45°	1175.9	1200.3	1237.4	1266.4	1281.5
47.5°	1112.0	1135.3	1175.9	1209.6	1222.3
50°	1045.9	1067.9	1110.9	1146.9	1162.0
52.5°	978.6	1001.8	1044.7	1083.0	1099.3
55°	910.1	933.3	978.6	1018.0	1035.4
57.5°	840.4	863.6	910.1	950.7	971.6
60°	768.4	791.7	840.4	882.2	903.1
62.5°	694.2	718.5	768.4	811.4	833.5
65°	619.9	643.1	695.3	741.8	759.2
67.5°	545.6	568.8	619.9	666.3	687.2
70°	469.0	495.7	545.6	594.3	612.9
72.5°	388.9	419.0	469.0	520.0	538.6
75°	314.6	343.6	397.0	444.6	465.5
77.5°	241.4	272.8	322.7	371.5	392.4
80°	171.8	202.0	253.1	299.5	321.5
82.5°	109.1	135.8	186.9	228.7	244.9
85°	55.7	78.9	117.2	131.2	139.3
87.5°	16.3	27.9	41.8	52.2	58.0
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	17.61	19.27	17.98	19.59	19.90	18.35	20.01	18.71	20.32	20.64
	3H	19.38	20.89	19.76	21.21	21.57	20.43	21.93	20.80	22.26	22.62
	4H	20.00	21.42	20.40	21.77	22.14	21.29	22.71	21.69	23.06	23.43
	6H	20.41	21.73	20.82	22.09	22.48	22.04	23.35	22.45	23.72	24.11
	8H	20.51	21.77	20.94	22.16	22.56	22.33	23.59	22.76	23.98	24.38
	12H	20.56	21.77	20.99	22.15	22.58	22.52	23.73	22.95	24.11	24.54
4H	2H	18.38	19.80	18.78	20.15	20.52	18.95	20.37	19.35	20.72	21.09
	3H	20.37	21.57	20.78	21.96	22.36	21.26	22.46	21.67	22.86	23.26
	4H	21.11	22.20	21.54	22.61	23.05	22.28	23.37	22.71	23.78	24.21
	6H	21.64	22.59	22.10	23.03	23.49	23.19	24.14	23.64	24.58	25.03
	8H	21.78	22.67	22.24	23.12	23.58	23.56	24.44	24.01	24.89	25.35
	12H	21.87	22.67	22.34	23.14	23.61	23.81	24.61	24.29	25.08	25.55
8H	4H	21.56	22.45	22.02	22.89	23.35	22.58	23.47	23.04	23.91	24.38
	6H	22.22	22.97	22.72	23.45	23.93	23.64	24.38	24.13	24.87	25.34
	8H	22.43	23.10	22.94	23.60	24.09	24.11	24.78	24.62	25.28	25.77
	12H	22.57	23.16	23.07	23.65	24.21	24.46	25.05	24.97	25.54	26.10
12H	4H	21.64	22.44	22.12	22.92	23.38	22.61	23.41	23.09	23.88	24.35
	6H	22.35	23.01	22.85	23.52	24.00	23.69	24.36	24.20	24.86	25.35
	8H	22.62	23.21	23.13	23.70	24.26	24.23	24.82	24.73	25.31	25.86