

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: P1587804

Luminaire Tested: 22CZSP-SB-57HE-L935-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587804
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-L935-S
Description: 2x2 CZSP LED Luminaire, 3500K CCT and 5700 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

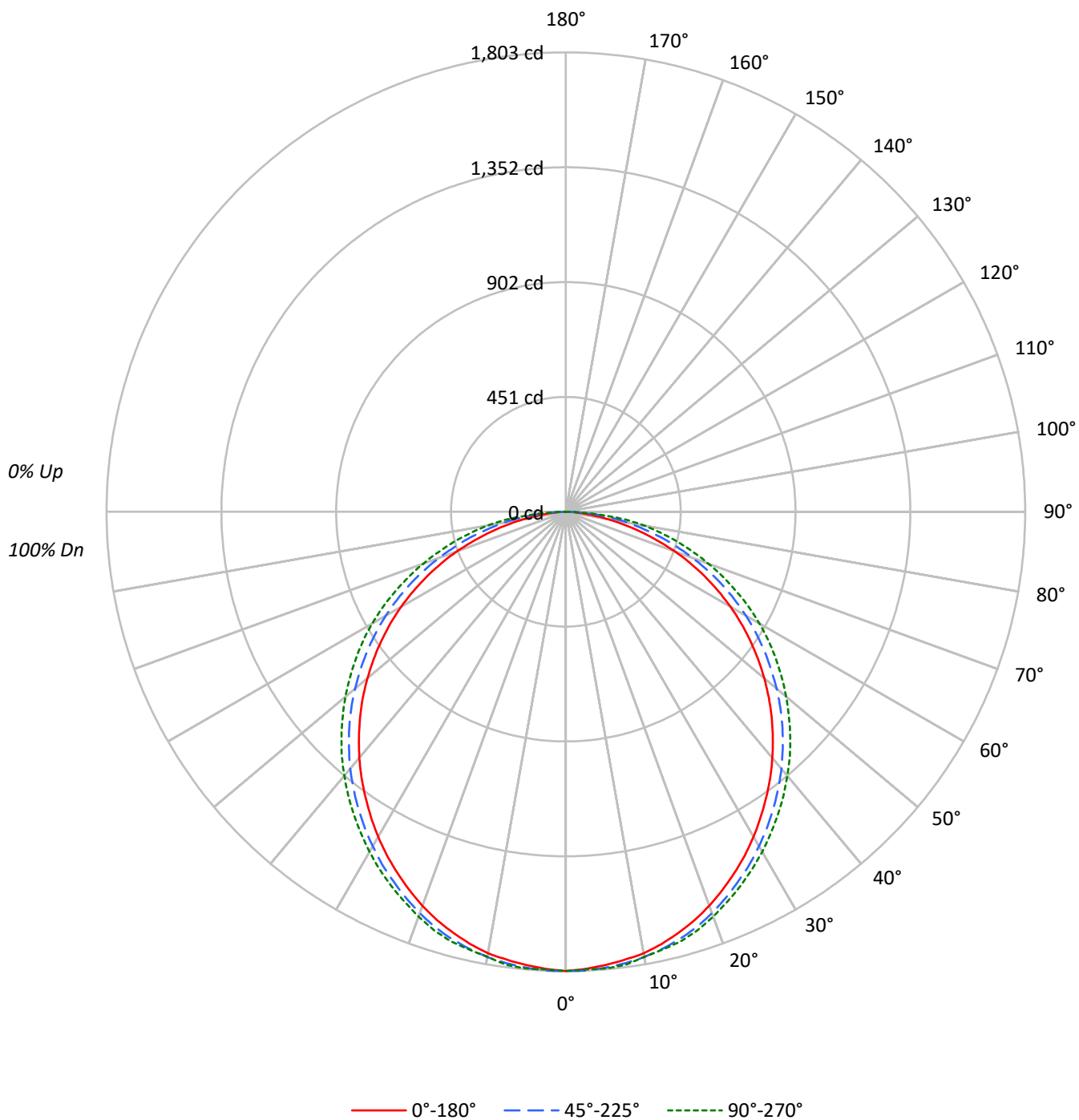
Lumens per Lamp: N/A
Luminaire Lumens: 5244.0 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1.88' x L: 1.83' x H: 0')
CIE Type: Direct

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°	5645	5645	5645
5°	5613	5645	5656
10°	5596	5642	5639
15°	5544	5625	5658
20°	5485	5586	5635
25°	5406	5531	5601
30°	5327	5482	5572
35°	5239	5429	5546
40°	5155	5381	5529
45°	5061	5326	5515
50°	4951	5259	5501
55°	4828	5192	5494
60°	4677	5115	5497
65°	4463	5006	5467
70°	4173	4854	5453
75°	3699	4668	5473
80°	3011	4434	5635
85°	1944	4092	4865

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 5710 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.6	3.3
10°-20°	488.5	9.3
20°-30°	736.6	14.0
30°-40°	886.3	16.9
40°-50°	924.5	17.6
50°-60°	847.4	16.2
60°-70°	665.4	12.7
70°-80°	405.0	7.7
80°-90°	119.8	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°	1395.7	26.6
0°-40°	2282.0	43.5
0°-60°	4053.8	77.3
0°-90°	5244.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5244.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1803	1803	1803	1803	1803	
5°	1786	1797	1796	1794	1799	170
15°	1710	1727	1735	1737	1745	482
25°	1565	1586	1601	1611	1621	721
35°	1371	1392	1420	1441	1451	858
45°	1143	1166	1203	1231	1245	881
55°	884	907	951	989	1006	790
65°	602	625	676	721	738	596
75°	306	334	386	432	452	324
85°	54	77	114	128	135	71
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1802.7	1802.7	1802.7	1802.7	1802.7
2.5°	1795.9	1805.0	1802.7	1794.8	1798.2
5°	1785.8	1797.1	1795.9	1793.7	1799.3
7.5°	1773.4	1785.8	1786.9	1786.9	1793.7
10°	1759.8	1772.2	1774.5	1771.1	1773.4
12.5°	1737.3	1751.9	1756.5	1756.5	1759.8
15°	1710.2	1727.1	1735.0	1737.3	1745.2
17.5°	1680.9	1698.9	1709.1	1714.7	1721.5
20°	1645.9	1665.1	1676.4	1683.1	1691.0
22.5°	1606.4	1627.8	1640.3	1647.0	1656.1
25°	1564.7	1586.1	1600.8	1610.9	1621.1
27.5°	1520.7	1541.0	1561.3	1573.7	1582.7
30°	1473.3	1494.7	1516.2	1532.0	1541.0
32.5°	1422.5	1445.1	1469.9	1486.8	1497.0
35°	1370.6	1392.1	1420.3	1440.6	1450.7
37.5°	1317.6	1340.2	1369.5	1390.9	1403.4
40°	1261.2	1284.9	1316.5	1340.2	1352.6
42.5°	1202.6	1225.1	1260.1	1287.2	1301.8
45°	1142.8	1166.5	1202.6	1230.8	1245.4
47.5°	1080.7	1103.3	1142.8	1175.5	1187.9
50°	1016.4	1037.9	1079.6	1114.6	1129.2
52.5°	951.0	973.6	1015.3	1052.5	1068.3
55°	884.4	907.0	951.0	989.3	1006.3
57.5°	816.7	839.3	884.4	923.9	944.2
60°	746.8	769.4	816.7	857.4	877.7
62.5°	674.6	698.3	746.8	788.5	810.0
65°	602.4	625.0	675.7	720.9	737.8
67.5°	530.2	552.8	602.4	647.5	667.8
70°	455.8	481.7	530.2	577.6	595.6
72.5°	377.9	407.2	455.8	505.4	523.4
75°	305.7	333.9	385.8	432.1	452.4
77.5°	234.6	265.1	313.6	361.0	381.3
80°	167.0	196.3	245.9	291.1	312.5
82.5°	106.0	132.0	181.6	222.2	238.0
85°	54.1	76.7	113.9	127.5	135.4
87.5°	15.8	27.1	40.6	50.8	56.4
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	17.51	19.17	17.88	19.49	19.80	18.25	19.91	18.61	20.22	20.54
	3H	19.28	20.79	19.66	21.11	21.47	20.33	21.83	20.70	22.16	22.52
	4H	19.90	21.32	20.30	21.67	22.04	21.19	22.61	21.59	22.96	23.33
	6H	20.31	21.63	20.72	21.99	22.38	21.94	23.25	22.35	23.62	24.01
	8H	20.41	21.67	20.84	22.06	22.46	22.23	23.49	22.66	23.88	24.28
	12H	20.46	21.67	20.89	22.05	22.48	22.43	23.63	22.85	24.01	24.44
4H	2H	18.28	19.70	18.68	20.05	20.42	18.85	20.27	19.25	20.62	20.99
	3H	20.27	21.47	20.68	21.86	22.26	21.17	22.36	21.57	22.76	23.16
	4H	21.01	22.10	21.45	22.51	22.95	22.18	23.27	22.61	23.68	24.12
	6H	21.54	22.49	22.00	22.93	23.39	23.09	24.04	23.54	24.48	24.93
	8H	21.69	22.57	22.14	23.02	23.48	23.46	24.35	23.92	24.79	25.25
	12H	21.77	22.57	22.24	23.04	23.51	23.71	24.51	24.19	24.99	25.45
8H	4H	21.46	22.35	21.92	22.79	23.26	22.48	23.37	22.94	23.81	24.28
	6H	22.12	22.87	22.62	23.35	23.83	23.54	24.28	24.03	24.77	25.24
	8H	22.33	23.00	22.84	23.50	23.99	24.01	24.68	24.52	25.18	25.67
	12H	22.47	23.06	22.97	23.55	24.11	24.36	24.95	24.87	25.44	26.00
12H	4H	21.54	22.34	22.02	22.82	23.28	22.51	23.31	22.99	23.78	24.25
	6H	22.25	22.91	22.75	23.42	23.90	23.59	24.26	24.10	24.76	25.25
	8H	22.52	23.11	23.03	23.60	24.16	24.13	24.72	24.63	25.21	25.77