

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: P1587805

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

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587805
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-L935
Description: 2x2 CZSP LED Luminaire, 3500K CCT and 5700 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

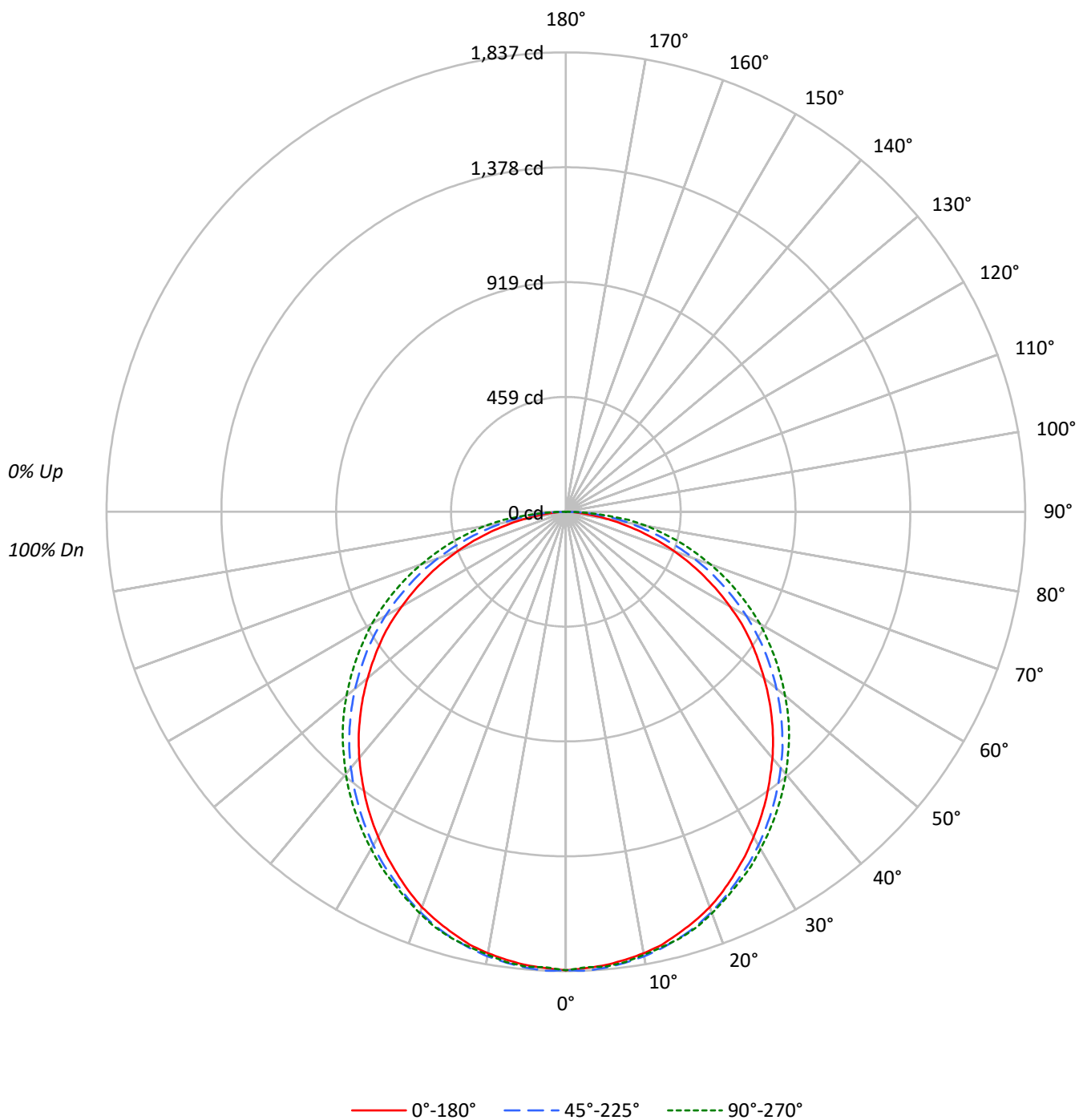
Lumens per Lamp: N/A
Luminaire Lumens: 5351.0 lumens
Efficiency: N/A
Efficacy: 137.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.88' x L: 1.83' x H: 0')
CIE Type: Direct

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°	5742	5742	5742
5°	5721	5753	5738
10°	5700	5740	5719
15°	5658	5717	5724
20°	5608	5676	5695
25°	5517	5615	5654
30°	5430	5569	5630
35°	5342	5515	5611
40°	5254	5467	5597
45°	5156	5416	5592
50°	5042	5357	5578
55°	4928	5299	5577
60°	4745	5220	5610
65°	4523	5118	5614
70°	4220	4977	5631
75°	3754	4796	5727
80°	3084	4595	5944
85°	2034	4311	5371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 6086 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.5	3.2
10°-20°	496.5	9.3
20°-30°	748.3	14.0
30°-40°	901.1	16.8
40°-50°	941.4	17.6
50°-60°	864.9	16.2
60°-70°	681.1	12.7
70°-80°	417.6	7.8
80°-90°	126.6	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°	1418.2	26.5
0°-40°	2319.3	43.3
0°-60°	4125.7	77.1
0°-90°	5351.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5351.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1834	1834	1834	1834	1834	
5°	1820	1823	1830	1828	1826	173
15°	1745	1752	1763	1770	1766	492
25°	1597	1607	1625	1642	1636	736
35°	1398	1416	1443	1469	1468	874
45°	1164	1189	1223	1257	1263	898
55°	903	929	971	1012	1022	805
65°	610	642	691	737	758	603
75°	310	347	396	444	473	330
85°	57	84	120	134	150	73
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1833.6	1833.6	1833.6	1833.6	1833.6
2.5°	1826.8	1831.3	1837.0	1827.9	1823.4
5°	1820.0	1823.4	1830.2	1827.9	1825.6
7.5°	1807.5	1809.8	1818.9	1818.9	1816.6
10°	1792.8	1797.3	1805.3	1804.1	1798.5
12.5°	1773.5	1776.9	1786.0	1786.0	1782.6
15°	1745.2	1752.0	1763.4	1770.2	1765.6
17.5°	1715.8	1722.6	1737.3	1744.1	1741.8
20°	1682.9	1688.6	1703.3	1713.5	1709.0
22.5°	1642.2	1649.0	1666.0	1677.3	1672.8
25°	1596.9	1607.1	1625.2	1642.2	1636.5
27.5°	1551.6	1562.9	1585.5	1602.5	1600.3
30°	1501.7	1516.5	1540.2	1561.8	1557.2
32.5°	1450.8	1467.8	1492.7	1515.3	1514.2
35°	1397.5	1415.7	1442.8	1468.9	1467.8
37.5°	1340.9	1362.4	1390.8	1419.1	1420.2
40°	1285.4	1305.8	1337.5	1368.1	1369.2
42.5°	1226.5	1248.1	1282.0	1313.7	1314.9
45°	1164.2	1189.2	1223.1	1257.1	1262.8
47.5°	1100.8	1126.9	1162.0	1198.2	1205.0
50°	1035.1	1062.3	1099.7	1138.2	1145.0
52.5°	968.3	996.6	1035.1	1073.6	1083.8
55°	902.6	928.7	970.6	1012.5	1021.5
57.5°	833.5	857.3	902.6	946.8	958.1
60°	757.7	787.1	833.5	877.7	895.8
62.5°	684.1	715.8	763.3	807.5	827.9
65°	610.4	642.1	690.8	737.3	757.7
67.5°	535.7	568.5	620.6	664.8	687.4
70°	460.9	493.8	543.6	591.2	615.0
72.5°	386.2	421.3	470.0	518.7	542.5
75°	310.3	346.6	396.4	444.0	473.4
77.5°	239.0	274.1	323.9	372.6	397.5
80°	171.0	206.1	254.8	303.5	329.6
82.5°	108.7	141.6	189.1	229.9	253.7
85°	56.6	83.8	120.0	133.6	149.5
87.5°	17.0	32.8	46.4	52.1	64.6
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	17.59	19.25	17.95	19.56	19.88	18.33	19.99	18.70	20.31	20.62
	3H	19.35	20.86	19.72	21.18	21.54	20.43	21.94	20.80	22.26	22.62
	4H	19.97	21.40	20.37	21.74	22.12	21.31	22.73	21.71	23.08	23.46
	6H	20.39	21.71	20.80	22.07	22.46	22.08	23.40	22.49	23.76	24.15
	8H	20.49	21.75	20.91	22.14	22.54	22.39	23.65	22.81	24.04	24.44
	12H	20.54	21.75	20.97	22.14	22.56	22.60	23.81	23.03	24.20	24.62
4H	2H	18.36	19.78	18.75	20.13	20.50	18.94	20.36	19.33	20.71	21.08
	3H	20.35	21.55	20.76	21.94	22.34	21.26	22.46	21.67	22.86	23.26
	4H	21.10	22.19	21.53	22.60	23.04	22.30	23.39	22.73	23.80	24.23
	6H	21.64	22.59	22.09	23.03	23.49	23.23	24.18	23.68	24.62	25.08
	8H	21.79	22.68	22.25	23.12	23.58	23.61	24.51	24.07	24.95	25.41
	12H	21.87	22.68	22.35	23.15	23.62	23.89	24.69	24.37	25.17	25.63
8H	4H	21.56	22.45	22.01	22.89	23.35	22.60	23.49	23.06	23.93	24.40
	6H	22.23	22.98	22.72	23.46	23.94	23.68	24.43	24.17	24.91	25.39
	8H	22.45	23.12	22.96	23.63	24.11	24.17	24.84	24.68	25.34	25.83
	12H	22.60	23.19	23.11	23.68	24.24	24.55	25.14	25.05	25.63	26.19
12H	4H	21.64	22.44	22.12	22.92	23.39	22.63	23.43	23.11	23.90	24.37
	6H	22.36	23.03	22.87	23.54	24.02	23.74	24.41	24.24	24.91	25.39
	8H	22.65	23.24	23.16	23.73	24.29	24.29	24.88	24.79	25.37	25.93