

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: P1587801

Luminaire Tested: 22CZSP-SB-57HE-L850

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587801
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-L850
Description: 2x2 CZSP LED Luminaire, 5000K CCT and 5700 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

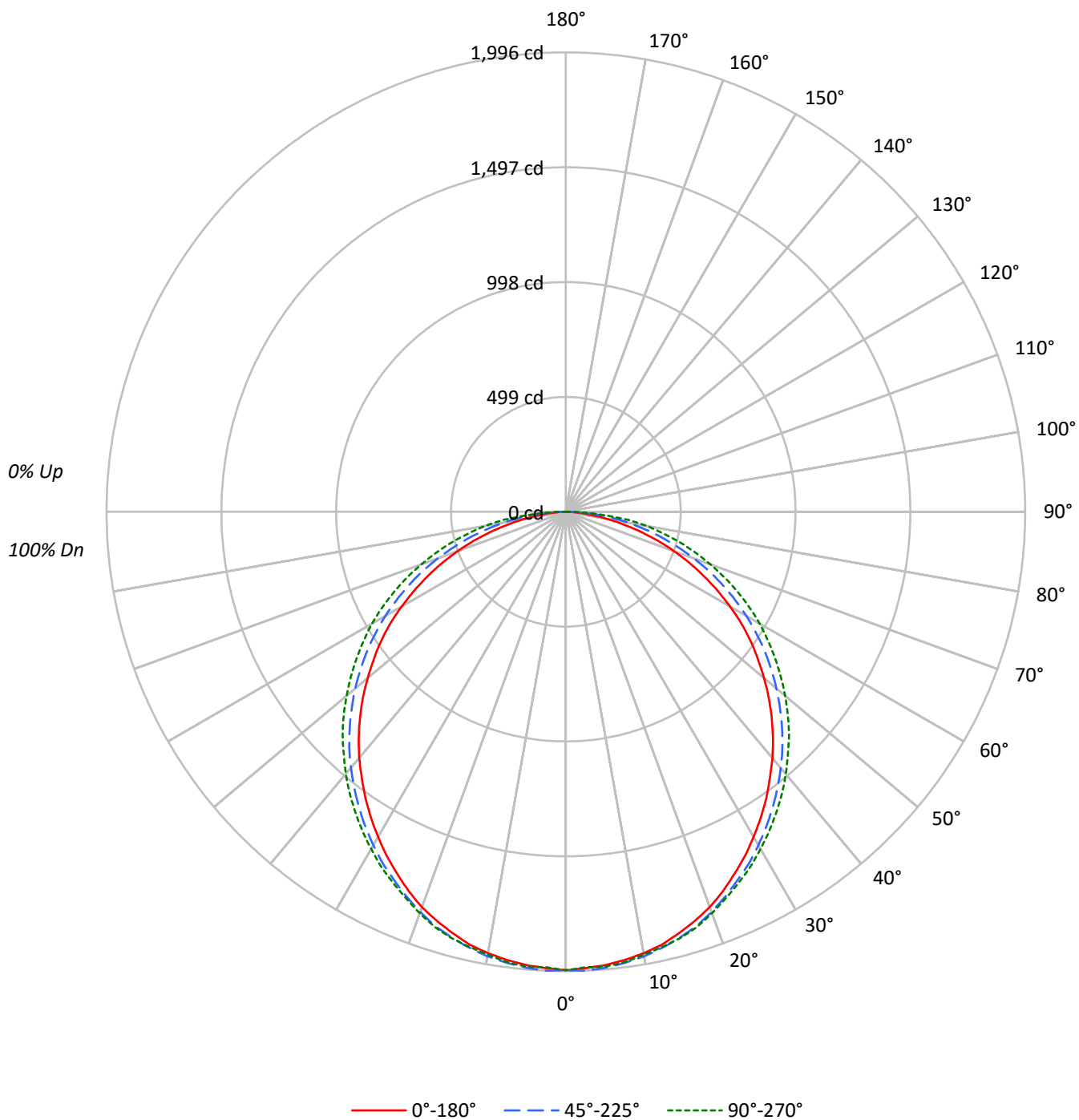
Lumens per Lamp: N/A
Luminaire Lumens: 5813.0 lumens
Efficiency: N/A
Efficacy: 149.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.88' x L: 1.83' x H: 0')
CIE Type: Direct

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°	6237	6237	6237
5°	6215	6249	6234
10°	6193	6236	6212
15°	6146	6210	6218
20°	6092	6166	6186
25°	5993	6100	6142
30°	5899	6050	6117
35°	5804	5992	6095
40°	5708	5939	6080
45°	5601	5884	6075
50°	5478	5819	6059
55°	5353	5756	6058
60°	5155	5671	6095
65°	4913	5561	6099
70°	4584	5407	6117
75°	4078	5210	6222
80°	3350	4991	6456
85°	2210	4685	5835

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 6612 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.4	3.2
10°-20°	539.3	9.3
20°-30°	812.9	14.0
30°-40°	978.9	16.8
40°-50°	1022.7	17.6
50°-60°	939.6	16.2
60°-70°	739.9	12.7
70°-80°	453.6	7.8
80°-90°	137.5	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°	1540.6	26.5
0°-40°	2519.6	43.3
0°-60°	4481.9	77.1
0°-90°	5813.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5813.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1992	1992	1992	1992	1992	
5°	1977	1981	1988	1986	1983	188
15°	1896	1903	1916	1923	1918	535
25°	1735	1746	1766	1784	1778	800
35°	1518	1538	1567	1596	1594	950
45°	1265	1292	1329	1366	1372	976
55°	981	1009	1054	1100	1110	875
65°	663	698	750	801	823	656
75°	337	376	431	482	514	358
85°	62	91	130	145	162	79
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1991.9	1991.9	1991.9	1991.9	1991.9
2.5°	1984.5	1989.4	1995.6	1985.7	1980.8
5°	1977.1	1980.8	1988.2	1985.7	1983.3
7.5°	1963.6	1966.0	1975.9	1975.9	1973.4
10°	1947.6	1952.5	1961.1	1959.9	1953.7
12.5°	1926.7	1930.4	1940.2	1940.2	1936.5
15°	1895.9	1903.3	1915.6	1923.0	1918.1
17.5°	1863.9	1871.3	1887.3	1894.7	1892.2
20°	1828.3	1834.4	1850.4	1861.5	1856.5
22.5°	1784.0	1791.3	1809.8	1822.1	1817.2
25°	1734.7	1745.8	1765.5	1784.0	1777.8
27.5°	1685.5	1697.8	1722.4	1740.9	1738.4
30°	1631.4	1647.4	1673.2	1696.6	1691.7
32.5°	1576.0	1594.5	1621.6	1646.2	1644.9
35°	1518.2	1537.9	1567.4	1595.7	1594.5
37.5°	1456.7	1480.1	1510.8	1541.6	1542.8
40°	1396.4	1418.6	1453.0	1486.2	1487.5
42.5°	1332.4	1355.8	1392.7	1427.2	1428.4
45°	1264.8	1291.8	1328.7	1365.7	1371.8
47.5°	1195.9	1224.2	1262.3	1301.7	1309.1
50°	1124.5	1154.0	1194.6	1236.5	1243.8
52.5°	1051.9	1082.7	1124.5	1166.3	1177.4
55°	980.6	1008.9	1054.4	1099.9	1109.7
57.5°	905.5	931.3	980.6	1028.5	1040.8
60°	823.1	855.1	905.5	953.5	973.2
62.5°	743.1	777.6	829.2	877.2	899.4
65°	663.1	697.6	750.5	800.9	823.1
67.5°	581.9	617.6	674.2	722.2	746.8
70°	500.7	536.4	590.6	642.2	668.1
72.5°	419.5	457.7	510.6	563.5	589.3
75°	337.1	376.5	430.6	482.3	514.3
77.5°	259.6	297.7	351.9	404.8	431.8
80°	185.8	223.9	276.8	329.7	358.0
82.5°	118.1	153.8	205.5	249.8	275.6
85°	61.5	91.0	130.4	145.2	162.4
87.5°	18.5	35.7	50.4	56.6	70.1
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	17.87	19.54	18.24	19.85	20.16	18.62	20.28	18.98	20.60	20.91
	3H	19.64	21.14	20.01	21.47	21.83	20.71	22.22	21.09	22.55	22.91
	4H	20.26	21.68	20.66	22.03	22.40	21.60	23.02	22.00	23.37	23.74
	6H	20.67	21.99	21.08	22.36	22.75	22.37	23.69	22.78	24.05	24.44
	8H	20.78	22.04	21.20	22.43	22.83	22.68	23.94	23.10	24.33	24.73
	12H	20.83	22.04	21.26	22.42	22.85	22.89	24.10	23.32	24.48	24.91
4H	2H	18.64	20.07	19.04	20.41	20.79	19.22	20.65	19.62	20.99	21.37
	3H	20.64	21.83	21.05	22.23	22.63	21.55	22.75	21.96	23.15	23.55
	4H	21.39	22.48	21.82	22.89	23.32	22.59	23.67	23.02	24.09	24.52
	6H	21.93	22.88	22.38	23.32	23.77	23.52	24.47	23.97	24.91	25.36
	8H	22.07	22.97	22.53	23.41	23.87	23.90	24.79	24.36	25.23	25.70
	12H	22.16	22.96	22.64	23.44	23.91	24.18	24.98	24.66	25.45	25.92
8H	4H	21.84	22.74	22.30	23.18	23.64	22.89	23.78	23.35	24.22	24.68
	6H	22.52	23.27	23.01	23.75	24.23	23.97	24.71	24.46	25.20	25.68
	8H	22.74	23.41	23.25	23.91	24.40	24.46	25.13	24.97	25.63	26.12
	12H	22.89	23.48	23.39	23.97	24.53	24.83	25.43	25.34	25.91	26.47
12H	4H	21.93	22.73	22.41	23.20	23.67	22.91	23.72	23.39	24.19	24.66
	6H	22.65	23.32	23.16	23.82	24.31	24.02	24.69	24.53	25.20	25.68
	8H	22.94	23.53	23.44	24.02	24.58	24.58	25.17	25.08	25.66	26.22