

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: P1587795

Luminaire Tested: 22CZSP-SB-57HE-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587795
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-L835
Description: 2x2 CZSP LED Luminaire, 3500K CCT and 5700 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

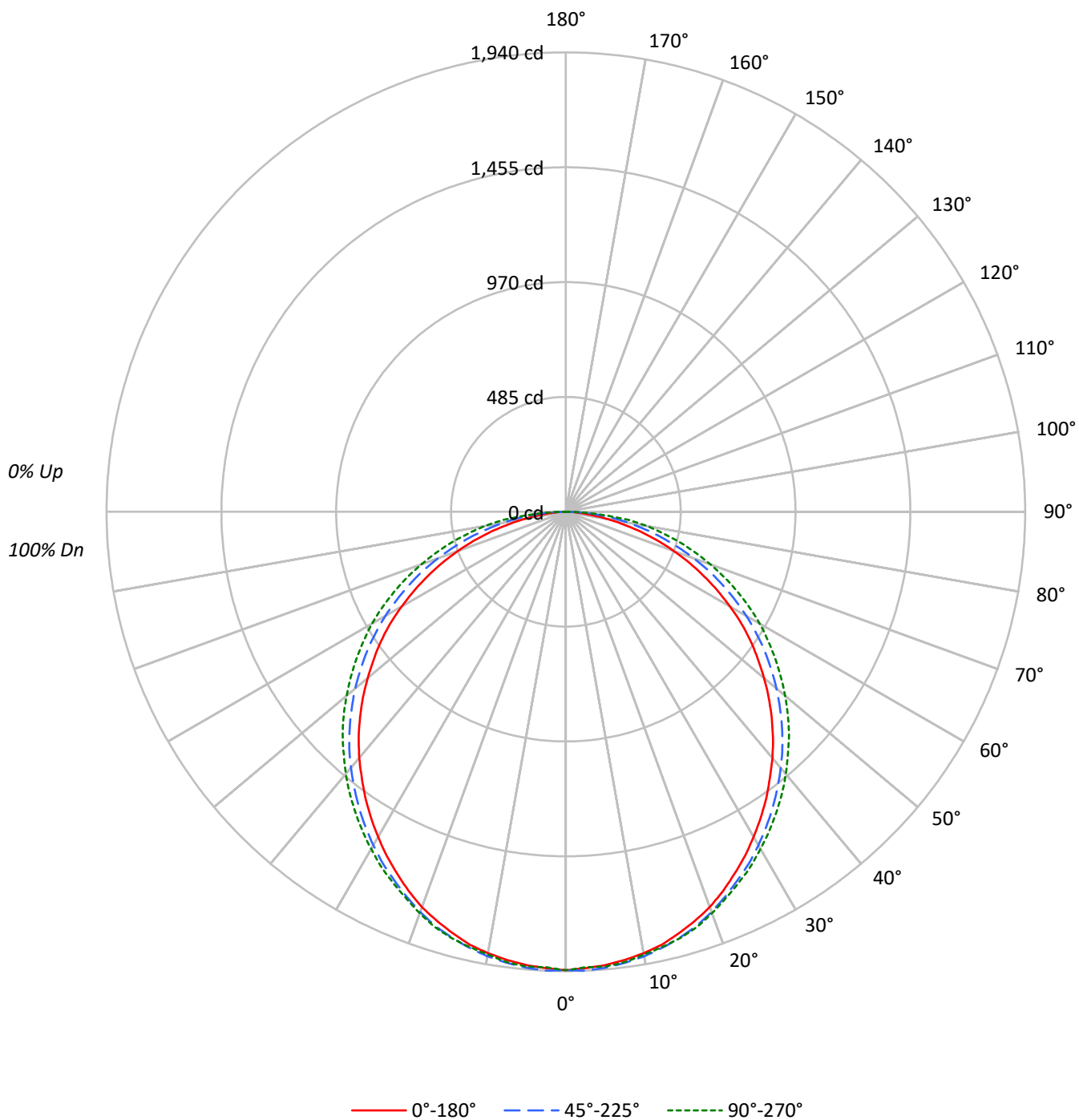
Lumens per Lamp: N/A
Luminaire Lumens: 5650.0 lumens
Efficiency: N/A
Efficacy: 145.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.88' x L: 1.83' x H: 0')
CIE Type: Direct

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°	6062	6062	6062
5°	6040	6074	6059
10°	6019	6061	6038
15°	5974	6036	6044
20°	5921	5993	6013
25°	5826	5929	5970
30°	5733	5880	5945
35°	5641	5824	5924
40°	5548	5773	5910
45°	5444	5719	5904
50°	5325	5656	5890
55°	5203	5595	5888
60°	5010	5512	5924
65°	4775	5404	5927
70°	4456	5255	5945
75°	3965	5063	6048
80°	3257	4853	6275
85°	2148	4556	5669

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 6427 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.1	3.2
10°-20°	524.2	9.3
20°-30°	790.1	14.0
30°-40°	951.5	16.8
40°-50°	994.1	17.6
50°-60°	913.3	16.2
60°-70°	719.2	12.7
70°-80°	440.9	7.8
80°-90°	133.7	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°	1497.4	26.5
0°-40°	2448.9	43.3
0°-60°	4356.2	77.1
0°-90°	5650.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5650.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1936	1936	1936	1936	1936	
5°	1922	1925	1932	1930	1928	182
15°	1843	1850	1862	1869	1864	520
25°	1686	1697	1716	1734	1728	777
35°	1476	1495	1524	1551	1550	923
45°	1229	1256	1292	1327	1333	948
55°	953	981	1025	1069	1079	850
65°	644	678	729	778	800	637
75°	328	366	418	469	500	348
85°	60	88	127	141	158	77
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1936.0	1936.0	1936.0	1936.0	1936.0
2.5°	1928.9	1933.6	1939.6	1930.0	1925.3
5°	1921.7	1925.3	1932.4	1930.0	1927.7
7.5°	1908.5	1910.9	1920.5	1920.5	1918.1
10°	1893.0	1897.8	1906.1	1904.9	1899.0
12.5°	1872.7	1876.2	1885.8	1885.8	1882.2
15°	1842.8	1849.9	1861.9	1869.1	1864.3
17.5°	1811.7	1818.8	1834.4	1841.6	1839.2
20°	1777.0	1783.0	1798.5	1809.3	1804.5
22.5°	1733.9	1741.1	1759.0	1771.0	1766.2
25°	1686.1	1696.9	1716.0	1733.9	1728.0
27.5°	1638.3	1650.2	1674.1	1692.1	1689.7
30°	1585.7	1601.2	1626.3	1649.0	1644.2
32.5°	1531.8	1549.8	1576.1	1600.0	1598.8
35°	1475.6	1494.8	1523.5	1551.0	1549.8
37.5°	1415.8	1438.6	1468.5	1498.4	1499.6
40°	1357.3	1378.8	1412.3	1444.5	1445.7
42.5°	1295.1	1317.8	1353.7	1387.1	1388.3
45°	1229.3	1255.6	1291.5	1327.4	1333.3
47.5°	1162.3	1189.8	1226.9	1265.2	1272.4
50°	1093.0	1121.7	1161.1	1201.8	1209.0
52.5°	1022.4	1052.3	1093.0	1133.6	1144.4
55°	953.1	980.6	1024.8	1069.1	1078.6
57.5°	880.1	905.2	953.1	999.7	1011.7
60°	800.0	831.1	880.1	926.8	945.9
62.5°	722.3	755.8	806.0	852.6	874.1
65°	644.5	678.0	729.4	778.5	800.0
67.5°	565.6	600.3	655.3	701.9	725.9
70°	486.7	521.4	574.0	624.2	649.3
72.5°	407.8	444.8	496.3	547.7	572.8
75°	327.7	365.9	418.5	468.8	499.9
77.5°	252.3	289.4	342.0	393.4	419.7
80°	180.6	217.6	269.1	320.5	348.0
82.5°	114.8	149.5	199.7	242.8	267.9
85°	59.8	88.5	126.8	141.1	157.8
87.5°	17.9	34.7	49.0	55.0	68.2
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	17.77	19.44	18.14	19.75	20.07	18.52	20.18	18.89	20.50	20.81
	3H	19.54	21.04	19.91	21.37	21.73	20.62	22.12	20.99	22.45	22.81
	4H	20.16	21.58	20.56	21.93	22.31	21.50	22.92	21.90	23.27	23.65
	6H	20.57	21.89	20.98	22.26	22.65	22.27	23.59	22.68	23.95	24.34
	8H	20.68	21.94	21.10	22.33	22.73	22.58	23.84	23.00	24.23	24.63
	12H	20.73	21.94	21.16	22.32	22.75	22.79	24.00	23.22	24.38	24.81
4H	2H	18.54	19.97	18.94	20.31	20.69	19.12	20.55	19.52	20.89	21.27
	3H	20.54	21.74	20.95	22.13	22.53	21.45	22.65	21.86	23.05	23.45
	4H	21.29	22.38	21.72	22.79	23.23	22.49	23.57	22.92	23.99	24.42
	6H	21.83	22.78	22.28	23.22	23.67	23.42	24.37	23.87	24.81	25.26
	8H	21.98	22.87	22.43	23.31	23.77	23.80	24.69	24.26	25.14	25.60
	12H	22.06	22.87	22.54	23.34	23.81	24.08	24.88	24.56	25.36	25.82
8H	4H	21.74	22.64	22.20	23.08	23.54	22.79	23.68	23.25	24.12	24.59
	6H	22.42	23.17	22.91	23.65	24.13	23.87	24.62	24.36	25.10	25.58
	8H	22.64	23.31	23.15	23.82	24.30	24.36	25.03	24.87	25.53	26.02
	12H	22.79	23.38	23.29	23.87	24.43	24.73	25.33	25.24	25.82	26.37
12H	4H	21.83	22.63	22.31	23.11	23.57	22.82	23.62	23.29	24.09	24.56
	6H	22.55	23.22	23.06	23.72	24.21	23.92	24.59	24.43	25.10	25.58
	8H	22.84	23.43	23.35	23.92	24.48	24.48	25.07	24.98	25.56	26.12