

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: P1585840

Luminaire Tested: 14CZSP-SB-65-L850-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585840
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-SB-65-L850-S
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 6200 lumens, 80CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

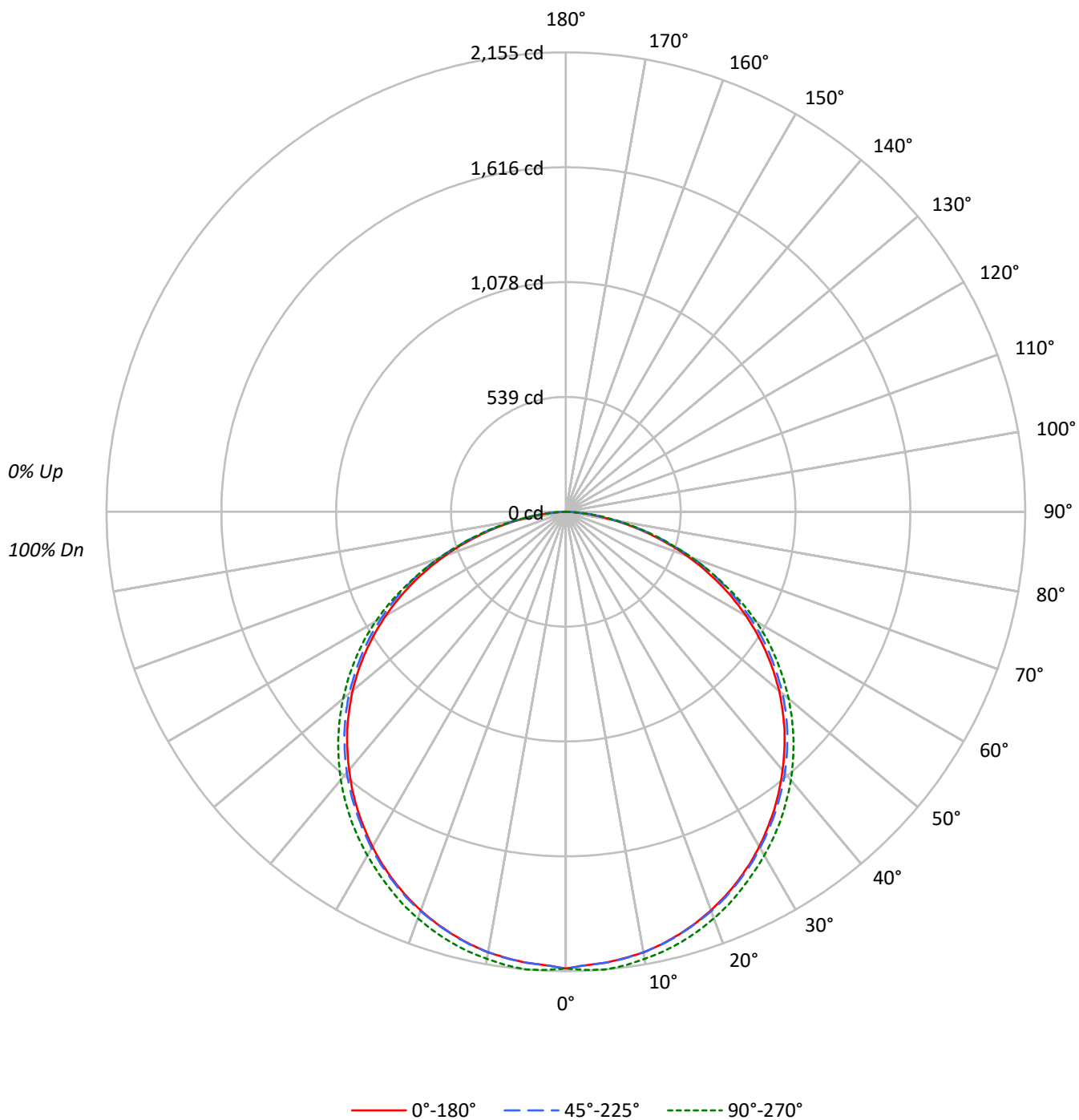
Lumens per Lamp: N/A
Luminaire Lumens: 6323.0 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 48.8
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	109	104	99	96	106	102	98	94	97	94	91		93	91	88		90	88	86	84
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61	56	52	49
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55	49	45	43
6	70	56	47	40	68	55	46	40	53	46	40		52	45	40		50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42	36	31	29
9	56	42	34	28	55	42	34	28	41	33	28		40	33	28		39	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°	7220	7220	7220
5°	7185	7182	7290
10°	7182	7179	7288
15°	7160	7167	7292
20°	7138	7152	7280
25°	7102	7120	7257
30°	7060	7090	7244
35°	7014	7058	7241
40°	6959	7031	7227
45°	6916	7004	7198
50°	6847	6953	7151
55°	6740	6865	7081
60°	6577	6747	6955
65°	6330	6569	6639
70°	5953	6228	6191
75°	5344	5571	5610
80°	4415	4640	4884
85°	2958	3445	3630

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7198 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.1	3.2
10°-20°	583.7	9.2
20°-30°	888.9	14.1
30°-40°	1081.8	17.1
40°-50°	1140.5	18.0
50°-60°	1050.4	16.6
60°-70°	811.3	12.8
70°-80°	454.0	7.2
80°-90°	109.4	1.7
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°	1675.7	26.5
0°-40°	2757.5	43.6
0°-60°	4948.3	78.3
0°-90°	6323.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6323.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2143	2143	2143	2143	2143	
5°	2124	2154	2123	2126	2155	202
15°	2053	2081	2054	2066	2090	579
25°	1910	1937	1915	1928	1952	880
35°	1705	1730	1716	1737	1760	1066
45°	1451	1472	1470	1492	1510	1118
55°	1147	1167	1169	1193	1205	1024
65°	794	817	824	832	833	784
75°	410	436	428	427	431	435
85°	76	84	89	100	94	98
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2142.6	2142.6	2142.6	2142.6	2142.6
2.5°	2129.1	2160.1	2129.1	2133.9	2151.3
5°	2124.2	2154.3	2123.3	2126.2	2155.2
7.5°	2111.6	2142.6	2113.6	2117.5	2145.5
10°	2099.1	2127.1	2098.1	2102.9	2130.0
12.5°	2077.8	2106.8	2079.7	2085.5	2112.6
15°	2052.6	2080.7	2054.5	2066.1	2090.3
17.5°	2023.5	2050.7	2025.5	2039.0	2062.3
20°	1990.6	2016.8	1994.5	2004.2	2030.3
22.5°	1951.9	1979.0	1957.7	1966.4	1994.5
25°	1910.3	1937.4	1915.1	1927.7	1951.9
27.5°	1864.8	1890.9	1871.5	1887.0	1908.3
30°	1814.4	1839.6	1822.2	1840.6	1861.9
32.5°	1760.2	1787.3	1769.9	1791.2	1812.5
35°	1705.0	1730.2	1715.7	1737.0	1760.2
37.5°	1645.0	1669.2	1658.5	1680.8	1702.1
40°	1582.0	1609.2	1598.5	1621.7	1643.0
42.5°	1517.2	1543.3	1534.6	1558.8	1577.2
45°	1451.3	1471.7	1469.7	1492.0	1510.4
47.5°	1378.7	1403.9	1400.0	1422.3	1438.7
50°	1306.1	1326.4	1326.4	1347.7	1364.2
52.5°	1227.7	1248.0	1248.0	1273.2	1286.7
55°	1147.3	1166.7	1168.6	1192.8	1205.4
57.5°	1062.1	1082.5	1086.3	1110.5	1122.1
60°	975.9	995.3	1001.1	1025.3	1032.1
62.5°	885.9	909.1	912.0	931.4	935.3
65°	793.9	817.2	823.9	831.7	832.7
67.5°	700.0	724.2	731.0	731.0	731.0
70°	604.2	626.4	632.2	628.4	628.4
72.5°	507.3	531.5	528.6	524.8	526.7
75°	410.5	435.7	427.9	427.0	430.9
77.5°	317.6	341.8	329.2	336.9	337.9
80°	227.5	245.9	239.1	250.8	251.7
82.5°	146.2	157.8	159.8	169.4	166.5
85°	76.5	84.2	89.1	99.7	93.9
87.5°	24.2	32.0	29.0	33.9	26.1
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	18.90	20.56	19.27	20.87	21.19	19.12	20.77	19.48	21.09	21.40
	3H	20.72	22.22	21.10	22.55	22.91	20.92	22.42	21.30	22.74	23.10
	4H	21.37	22.78	21.77	23.13	23.50	21.56	22.97	21.96	23.32	23.69
	6H	21.80	23.11	22.21	23.47	23.86	22.01	23.32	22.42	23.68	24.07
	8H	21.91	23.16	22.33	23.55	23.95	22.14	23.39	22.57	23.78	24.18
	12H	21.96	23.16	22.39	23.54	23.97	22.22	23.42	22.65	23.80	24.23
4H	2H	19.58	20.99	19.98	21.34	21.72	19.75	21.16	20.15	21.51	21.89
	3H	21.62	22.81	22.03	23.21	23.60	21.77	22.95	22.17	23.35	23.75
	4H	22.40	23.48	22.83	23.89	24.32	22.52	23.60	22.95	24.01	24.44
	6H	22.95	23.89	23.41	24.33	24.78	23.10	24.04	23.55	24.48	24.93
	8H	23.10	23.98	23.56	24.42	24.88	23.27	24.15	23.73	24.59	25.06
	12H	23.18	23.97	23.66	24.45	24.91	23.39	24.18	23.87	24.65	25.12
8H	4H	22.71	23.59	23.17	24.03	24.49	22.82	23.70	23.28	24.14	24.60
	6H	23.37	24.10	23.86	24.59	25.06	23.50	24.23	23.99	24.72	25.19
	8H	23.58	24.23	24.08	24.73	25.22	23.74	24.39	24.25	24.90	25.38
	12H	23.71	24.29	24.22	24.78	25.34	23.92	24.49	24.42	24.98	25.54
12H	4H	22.74	23.53	23.22	24.00	24.47	22.85	23.64	23.33	24.11	24.58
	6H	23.42	24.07	23.92	24.58	25.06	23.54	24.20	24.05	24.70	25.19
	8H	23.67	24.25	24.18	24.74	25.30	23.83	24.41	24.34	24.90	25.46

END OF REPORT