

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: P1585841

Luminaire Tested: 14CZSP-SB-65-L850

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585841
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-SB-65-L850
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 6200 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

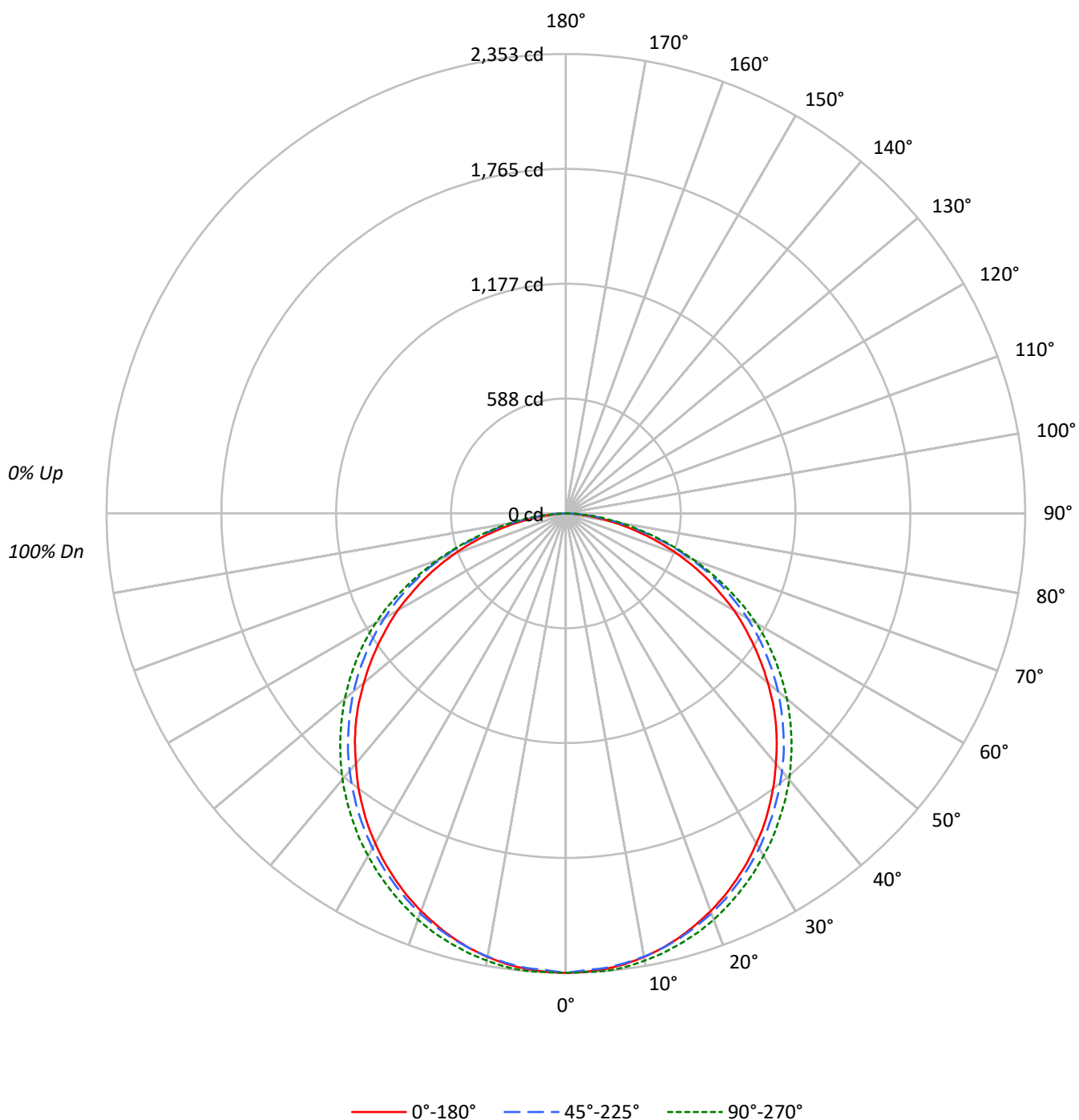
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6799.0 lumens
Efficiency: N/A
Efficacy: 139.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	104	100	96	106	102	98	94	97	94	91		93	91	88		90
2	99	90	83	78	96	88	82	77	85	79	75		82	77	73		79
3	90	79	71	64	87	78	70	64	75	68	63		72	66	61		69
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62
5	75	62	53	47	73	61	53	46	59	52	46		57	51	45		55
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		50
7	65	51	42	36	63	50	42	36	49	41	35		47	40	35		46
8	60	46	38	32	58	46	38	32	44	37	32		43	36	31		42
9	56	43	34	29	55	42	34	29	41	34	28		40	33	28		39
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7930	7930	7930
5°	7924	7904	7957
10°	7895	7888	7959
15°	7844	7861	7954
20°	7775	7821	7940
25°	7690	7763	7909
30°	7595	7705	7880
35°	7489	7642	7852
40°	7358	7578	7832
45°	7252	7509	7789
50°	7079	7439	7752
55°	6899	7342	7692
60°	6712	7234	7590
65°	6411	7043	7301
70°	5982	6725	6889
75°	5330	6094	6273
80°	4352	5284	5550
85°	2876	4203	4504

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7789 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.9	3.3
10°-20°	638.5	9.4
20°-30°	966.7	14.2
30°-40°	1166.8	17.2
40°-50°	1218.5	17.9
50°-60°	1114.7	16.4
60°-70°	861.8	12.7
70°-80°	487.9	7.2
80°-90°	121.2	1.8
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°	1828.1	26.9
0°-40°	2994.9	44.0
0°-60°	5328.1	78.4
0°-90°	6799.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6799.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2353	2353	2353	2353	2353	
5°	2343	2359	2337	2339	2352	222
15°	2249	2268	2254	2264	2280	634
25°	2068	2095	2088	2108	2127	953
35°	1821	1846	1858	1889	1909	1139
45°	1522	1551	1576	1616	1635	1172
55°	1174	1210	1250	1289	1309	1050
65°	804	837	883	910	916	794
75°	409	445	468	480	482	434
85°	74	86	109	114	116	96
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2353.4	2353.4	2353.4	2353.4	2353.4
2.5°	2350.5	2367.1	2341.7	2346.6	2351.5
5°	2342.6	2359.3	2336.8	2338.7	2352.4
7.5°	2328.0	2346.6	2323.1	2327.0	2343.6
10°	2307.4	2326.0	2305.4	2309.4	2326.0
12.5°	2280.9	2299.6	2281.9	2287.8	2306.4
15°	2248.6	2268.2	2253.5	2264.3	2280.0
17.5°	2209.5	2233.9	2218.3	2234.9	2250.6
20°	2168.3	2192.8	2181.1	2195.7	2214.4
22.5°	2121.3	2145.8	2137.0	2152.7	2173.2
25°	2068.4	2094.9	2088.0	2107.6	2127.2
27.5°	2013.6	2039.0	2037.1	2058.6	2079.2
30°	1951.9	1979.3	1980.3	2005.7	2025.3
32.5°	1890.2	1914.7	1920.5	1948.9	1971.5
35°	1820.6	1846.1	1857.9	1889.2	1908.8
37.5°	1750.1	1778.5	1791.3	1825.5	1846.1
40°	1672.8	1705.1	1722.7	1758.9	1780.5
42.5°	1599.3	1628.7	1652.2	1688.4	1708.0
45°	1521.9	1551.3	1575.8	1616.0	1634.6
47.5°	1438.7	1471.0	1497.5	1536.6	1557.2
50°	1350.5	1385.8	1419.1	1457.3	1478.8
52.5°	1263.4	1297.7	1335.9	1373.1	1394.6
55°	1174.3	1209.5	1249.7	1288.8	1309.4
57.5°	1084.2	1119.4	1163.5	1198.7	1220.3
60°	996.0	1028.3	1073.4	1108.6	1126.3
62.5°	896.1	933.3	979.4	1014.6	1024.4
65°	804.1	837.4	883.4	909.8	915.7
67.5°	706.1	739.4	785.5	800.1	809.0
70°	607.2	642.5	682.6	692.4	699.3
72.5°	507.3	543.5	574.9	584.7	590.6
75°	409.4	444.6	468.1	479.9	481.8
77.5°	314.4	346.7	368.2	382.0	382.0
80°	224.3	248.8	272.3	287.0	286.0
82.5°	143.0	161.6	186.1	196.9	203.7
85°	74.4	86.2	108.7	113.6	116.5
87.5°	23.5	30.4	39.2	32.3	31.3
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	18.87	20.52	19.24	20.84	21.15	19.41	21.07	19.78	21.38	21.69
	3H	20.65	22.14	21.02	22.47	22.83	21.28	22.77	21.65	23.10	23.46
	4H	21.27	22.68	21.67	23.03	23.40	21.95	23.36	22.35	23.70	24.08
	6H	21.68	22.98	22.09	23.35	23.74	22.43	23.74	22.84	24.10	24.49
	8H	21.78	23.02	22.20	23.41	23.81	22.59	23.84	23.01	24.23	24.62
	12H	21.82	23.02	22.25	23.40	23.83	22.69	23.88	23.12	24.26	24.69
4H	2H	19.61	21.02	20.01	21.37	21.74	20.03	21.44	20.43	21.79	22.16
	3H	21.61	22.79	22.01	23.18	23.58	22.11	23.30	22.52	23.69	24.09
	4H	22.35	23.42	22.79	23.84	24.27	22.91	23.98	23.34	24.40	24.83
	6H	22.87	23.81	23.33	24.25	24.70	23.53	24.46	23.98	24.90	25.36
	8H	23.01	23.88	23.47	24.33	24.79	23.73	24.61	24.19	25.05	25.51
	12H	23.09	23.87	23.56	24.35	24.82	23.87	24.66	24.35	25.13	25.60
8H	4H	22.71	23.58	23.17	24.03	24.49	23.20	24.08	23.66	24.52	24.99
	6H	23.34	24.07	23.83	24.56	25.03	23.94	24.66	24.43	25.15	25.63
	8H	23.54	24.19	24.04	24.69	25.18	24.21	24.86	24.72	25.37	25.85
	12H	23.66	24.24	24.17	24.73	25.29	24.42	24.99	24.92	25.48	26.04
12H	4H	22.75	23.54	23.23	24.01	24.48	23.23	24.02	23.71	24.49	24.96
	6H	23.41	24.06	23.91	24.57	25.05	23.98	24.63	24.49	25.14	25.62
	8H	23.66	24.23	24.16	24.72	25.28	24.31	24.88	24.81	25.37	25.93