

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: P1585871

Luminaire Tested: 14CZSP-SB-70-L950

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585871
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-70-L950
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 6700 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

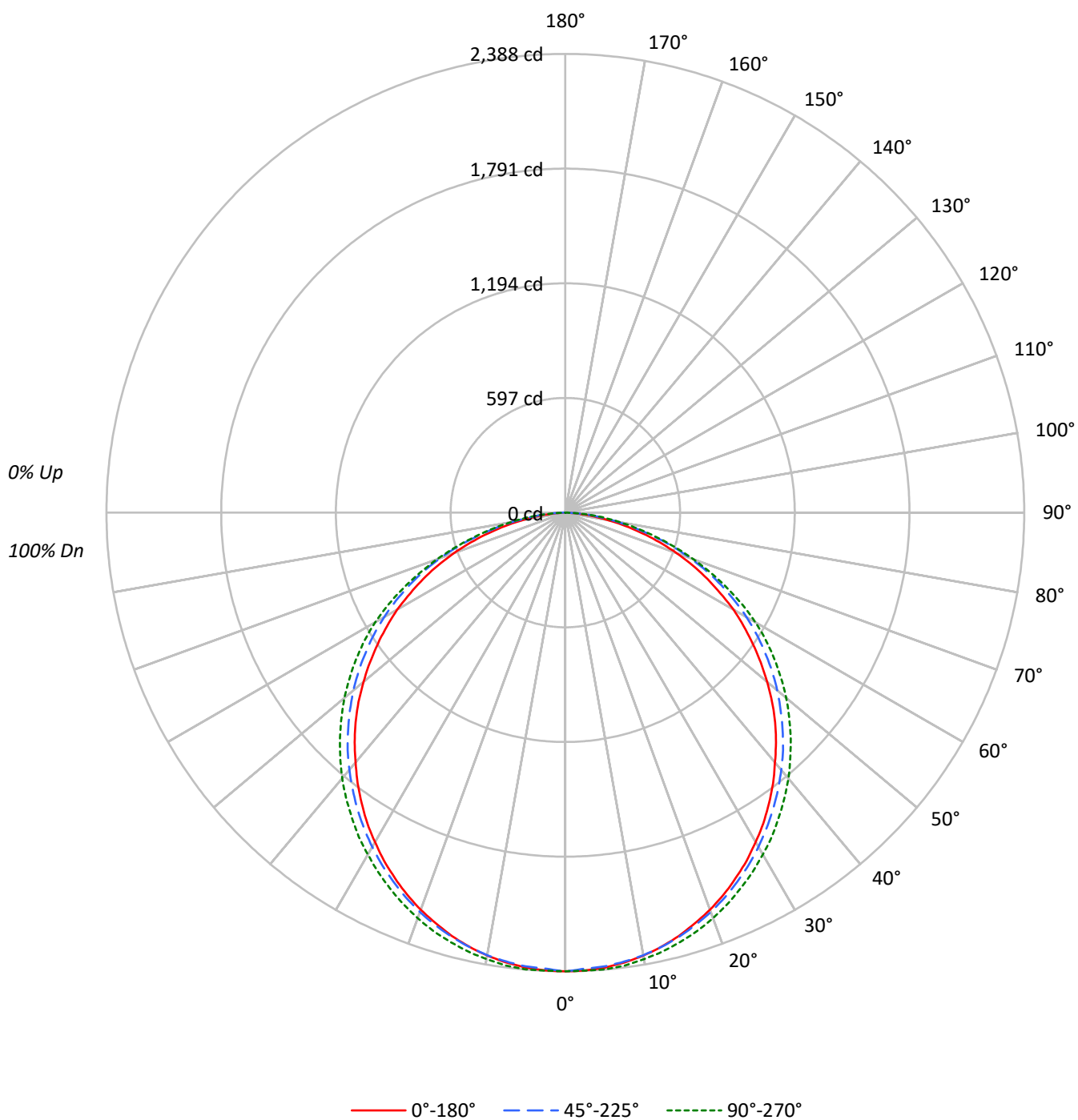
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6899.0 lumens
Efficiency: N/A
Efficacy: 129.2 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): 53.4
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°	8047	8047	8047
5°	8040	8020	8074
10°	8011	8004	8076
15°	7960	7977	8071
20°	7890	7936	8057
25°	7803	7877	8025
30°	7706	7818	7996
35°	7599	7755	7967
40°	7466	7689	7947
45°	7359	7620	7904
50°	7184	7549	7866
55°	7000	7450	7806
60°	6811	7340	7702
65°	6505	7147	7409
70°	6070	6824	6991
75°	5408	6184	6365
80°	4416	5361	5631
85°	2919	4264	4574

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7904 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.2	3.3
10°-20°	647.9	9.4
20°-30°	980.9	14.2
30°-40°	1184.0	17.2
40°-50°	1236.5	17.9
50°-60°	1131.1	16.4
60°-70°	874.5	12.7
70°-80°	495.1	7.2
80°-90°	123.0	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°	1854.9	26.9
0°-40°	3038.9	44.0
0°-60°	5406.5	78.4
0°-90°	6899.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6899.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2388	2388	2388	2388	2388	
5°	2377	2394	2371	2373	2387	226
15°	2282	2302	2287	2298	2314	643
25°	2099	2126	2119	2139	2158	967
35°	1847	1873	1885	1917	1937	1156
45°	1544	1574	1599	1640	1659	1189
55°	1192	1227	1268	1308	1329	1065
65°	816	850	896	923	929	805
75°	415	451	475	487	489	440
85°	76	88	110	115	118	97
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2388.0	2388.0	2388.0	2388.0	2388.0
2.5°	2385.1	2401.9	2376.1	2381.1	2386.0
5°	2377.1	2394.0	2371.1	2373.1	2387.0
7.5°	2362.2	2381.1	2357.2	2361.2	2378.1
10°	2341.3	2360.2	2339.3	2343.3	2360.2
12.5°	2314.5	2333.4	2315.5	2321.5	2340.3
15°	2281.7	2301.6	2286.7	2297.6	2313.5
17.5°	2242.0	2266.8	2250.9	2267.8	2283.7
20°	2200.2	2225.1	2213.1	2228.0	2246.9
22.5°	2152.5	2177.4	2168.4	2184.3	2205.2
25°	2098.8	2125.7	2118.7	2138.6	2158.5
27.5°	2043.2	2069.0	2067.0	2088.9	2109.8
30°	1980.6	2008.4	2009.4	2035.2	2055.1
32.5°	1918.0	1942.8	1948.8	1977.6	2000.5
35°	1847.4	1873.3	1885.2	1917.0	1936.9
37.5°	1775.9	1804.7	1817.6	1852.4	1873.3
40°	1697.4	1730.2	1748.0	1784.8	1806.7
42.5°	1622.8	1652.6	1676.5	1713.3	1733.1
45°	1544.3	1574.1	1599.0	1639.7	1658.6
47.5°	1459.9	1492.6	1519.5	1559.2	1580.1
50°	1370.4	1406.2	1440.0	1478.7	1500.6
52.5°	1282.0	1316.7	1355.5	1393.3	1415.1
55°	1191.5	1227.3	1268.1	1307.8	1328.7
57.5°	1100.1	1135.9	1180.6	1216.4	1238.2
60°	1010.7	1043.5	1089.2	1125.0	1142.8
62.5°	909.3	947.1	993.8	1029.5	1039.5
65°	815.9	849.7	896.4	923.2	929.2
67.5°	716.5	750.3	797.0	811.9	820.9
70°	616.1	651.9	692.7	702.6	709.6
72.5°	514.8	551.5	583.3	593.3	599.2
75°	415.4	451.2	475.0	486.9	488.9
77.5°	319.0	351.8	373.7	387.6	387.6
80°	227.6	252.4	276.3	291.2	290.2
82.5°	145.1	164.0	188.8	199.7	206.7
85°	75.5	87.5	110.3	115.3	118.3
87.5°	23.9	30.8	39.8	32.8	31.8
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	18.92	20.58	19.29	20.89	21.20	19.47	21.12	19.83	21.43	21.74
	3H	20.70	22.19	21.07	22.52	22.88	21.33	22.82	21.70	23.15	23.51
	4H	21.32	22.73	21.72	23.08	23.45	22.00	23.41	22.40	23.75	24.13
	6H	21.73	23.03	22.14	23.40	23.79	22.48	23.79	22.89	24.15	24.54
	8H	21.83	23.07	22.25	23.46	23.86	22.64	23.89	23.06	24.28	24.67
	12H	21.88	23.07	22.30	23.45	23.88	22.74	23.93	23.17	24.31	24.74
4H	2H	19.66	21.07	20.06	21.42	21.79	20.09	21.49	20.48	21.84	22.22
	3H	21.66	22.84	22.07	23.23	23.63	22.16	23.35	22.57	23.74	24.14
	4H	22.41	23.47	22.84	23.89	24.32	22.96	24.03	23.40	24.45	24.88
	6H	22.92	23.86	23.38	24.30	24.75	23.58	24.51	24.03	24.95	25.41
	8H	23.06	23.93	23.52	24.38	24.84	23.78	24.66	24.24	25.10	25.56
	12H	23.14	23.92	23.62	24.40	24.87	23.92	24.71	24.40	25.18	25.65
8H	4H	22.76	23.64	23.22	24.08	24.54	23.25	24.13	23.71	24.57	25.04
	6H	23.39	24.12	23.89	24.61	25.08	23.99	24.71	24.48	25.20	25.68
	8H	23.59	24.24	24.10	24.75	25.23	24.26	24.91	24.77	25.42	25.90
	12H	23.71	24.29	24.22	24.78	25.34	24.47	25.04	24.97	25.53	26.09
12H	4H	22.80	23.59	23.28	24.06	24.53	23.28	24.07	23.76	24.54	25.01
	6H	23.46	24.11	23.97	24.62	25.10	24.03	24.68	24.54	25.19	25.67
	8H	23.71	24.28	24.21	24.77	25.33	24.36	24.93	24.86	25.42	25.98