

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: P1585867

Luminaire Tested: 14CZSP-SB-70-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585867
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-L940
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 6700 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

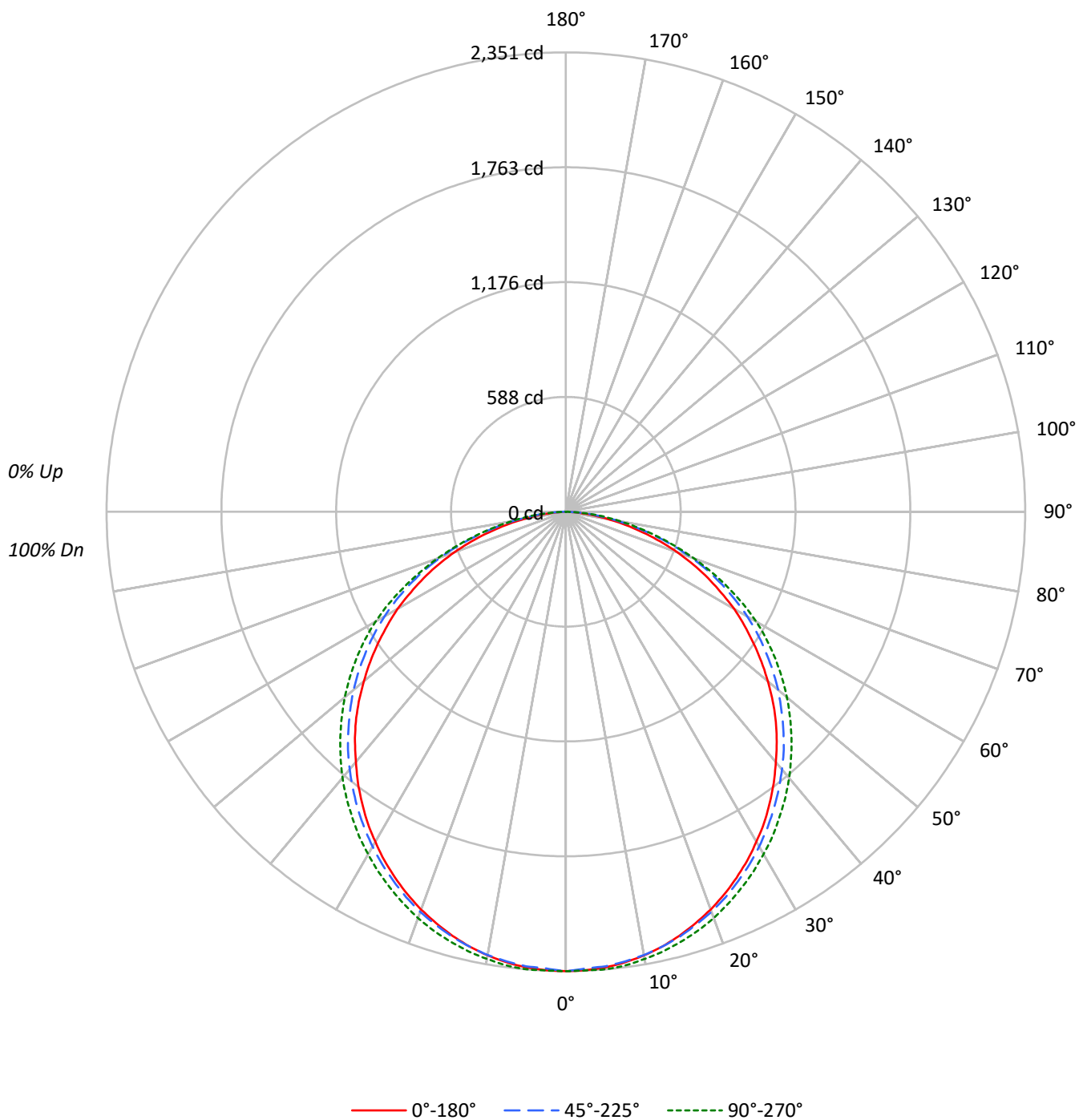
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6793.0 lumens
Efficiency: N/A
Efficacy: 127.2 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			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	100	96	106	102	98	94	97	94	91		93	91	88		90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75		82	77	73		79	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46		57	51	45		55	50	45	43
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	35		47	40	35		46	40	35	33
8	60	46	38	32	58	46	38	32	44	37	32		43	36	31		42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28		40	33	28		39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7923	7923	7923
5°	7917	7897	7950
10°	7888	7881	7951
15°	7837	7854	7947
20°	7768	7814	7933
25°	7683	7756	7902
30°	7588	7698	7873
35°	7482	7635	7845
40°	7351	7571	7825
45°	7246	7502	7782
50°	7074	7433	7745
55°	6892	7335	7686
60°	6706	7227	7584
65°	6406	7037	7295
70°	5977	6719	6884
75°	5325	6089	6267
80°	4349	5278	5544
85°	2876	4199	4500

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7782 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.7	3.3
10°-20°	637.9	9.4
20°-30°	965.8	14.2
30°-40°	1165.8	17.2
40°-50°	1217.5	17.9
50°-60°	1113.7	16.4
60°-70°	861.0	12.7
70°-80°	487.4	7.2
80°-90°	121.1	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°	1826.4	26.9
0°-40°	2992.2	44.0
0°-60°	5323.5	78.4
0°-90°	6793.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6793.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2351	2351	2351	2351	2351	
5°	2341	2357	2335	2337	2350	222
15°	2247	2266	2252	2262	2278	634
25°	2067	2093	2086	2106	2125	952
35°	1819	1844	1856	1888	1907	1138
45°	1521	1550	1574	1614	1633	1171
55°	1173	1208	1249	1288	1308	1049
65°	803	837	883	909	915	793
75°	409	444	468	480	481	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°	2351.3	2351.3	2351.3	2351.3	2351.3
2.5°	2348.4	2365.0	2339.6	2344.5	2349.4
5°	2340.6	2357.2	2334.7	2336.7	2350.4
7.5°	2325.9	2344.5	2321.0	2324.9	2341.6
10°	2305.4	2323.9	2303.4	2307.3	2323.9
12.5°	2278.9	2297.5	2279.9	2285.8	2304.4
15°	2246.6	2266.2	2251.5	2262.3	2278.0
17.5°	2207.5	2232.0	2216.3	2232.9	2248.6
20°	2166.4	2190.9	2179.1	2193.8	2212.4
22.5°	2119.4	2143.9	2135.1	2150.8	2171.3
25°	2066.6	2093.0	2086.2	2105.7	2125.3
27.5°	2011.8	2037.2	2035.3	2056.8	2077.4
30°	1950.2	1977.6	1978.5	2004.0	2023.5
32.5°	1888.5	1913.0	1918.8	1947.2	1969.7
35°	1819.0	1844.5	1856.2	1887.5	1907.1
37.5°	1748.6	1777.0	1789.7	1823.9	1844.5
40°	1671.3	1703.6	1721.2	1757.4	1778.9
42.5°	1597.9	1627.3	1650.7	1686.9	1706.5
45°	1520.6	1550.0	1574.4	1614.5	1633.1
47.5°	1437.4	1469.7	1496.1	1535.3	1555.8
50°	1349.4	1384.6	1417.9	1456.0	1477.5
52.5°	1262.3	1296.5	1334.7	1371.9	1393.4
55°	1173.2	1208.5	1248.6	1287.7	1308.3
57.5°	1083.2	1118.4	1162.5	1197.7	1219.2
60°	995.1	1027.4	1072.4	1107.7	1125.3
62.5°	895.3	932.5	978.5	1013.7	1023.5
65°	803.4	836.6	882.6	909.0	914.9
67.5°	705.5	738.8	784.8	799.4	808.2
70°	606.7	641.9	682.0	691.8	698.7
72.5°	506.9	543.1	574.4	584.2	590.0
75°	409.0	444.2	467.7	479.5	481.4
77.5°	314.1	346.4	367.9	381.6	381.6
80°	224.1	248.5	272.0	286.7	285.7
82.5°	142.9	161.5	185.9	196.7	203.5
85°	74.4	86.1	108.6	113.5	116.4
87.5°	23.5	30.3	39.1	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	21.06	19.78	21.38	21.69
	3H	20.64	22.14	21.02	22.46	22.82	21.27	22.77	21.65	23.09	23.45
	4H	21.27	22.68	21.67	23.02	23.40	21.94	23.35	22.34	23.70	24.07
	6H	21.67	22.98	22.08	23.34	23.73	22.43	23.74	22.84	24.10	24.49
	8H	21.77	23.02	22.20	23.41	23.81	22.59	23.83	23.01	24.22	24.62
	12H	21.82	23.02	22.25	23.40	23.83	22.68	23.88	23.11	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	21.60	22.78	22.01	23.18	23.58	22.11	23.29	22.52	23.69	24.09
	4H	22.35	23.42	22.78	23.83	24.27	22.91	23.98	23.34	24.39	24.83
	6H	22.87	23.81	23.32	24.25	24.70	23.53	24.46	23.98	24.90	25.36
	8H	23.01	23.88	23.47	24.32	24.79	23.73	24.60	24.19	25.05	25.51
	12H	23.08	23.87	23.56	24.34	24.81	23.87	24.66	24.35	25.13	25.60
8H	4H	22.71	23.58	23.17	24.02	24.49	23.20	24.08	23.66	24.52	24.98
	6H	23.34	24.07	23.83	24.55	25.03	23.93	24.66	24.43	25.15	25.62
	8H	23.53	24.19	24.04	24.69	25.18	24.21	24.86	24.71	25.36	25.85
	12H	23.66	24.23	24.16	24.72	25.28	24.41	24.99	24.92	25.48	26.04
12H	4H	22.75	23.53	23.23	24.01	24.48	23.23	24.01	23.70	24.49	24.96
	6H	23.40	24.06	23.91	24.56	25.05	23.98	24.63	24.48	25.13	25.62
	8H	23.65	24.23	24.16	24.72	25.28	24.30	24.88	24.81	25.37	25.93