

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: P1585870

Luminaire Tested: 14CZSP-SB-70-L950-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585870
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-70-L950-S
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 6700 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

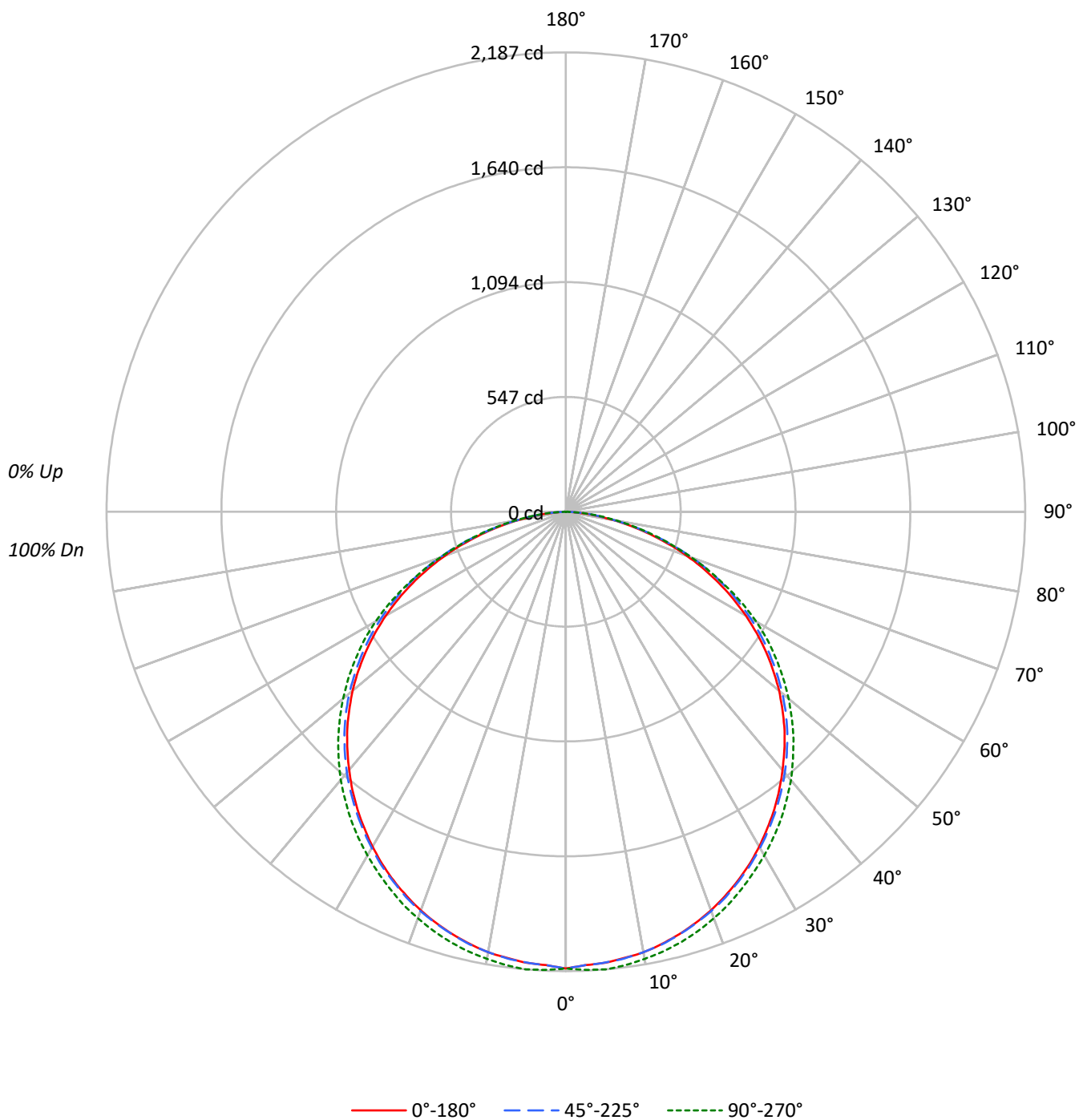
Lumens per Lamp: N/A
Luminaire Lumens: 6416.0 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	7326	7326	7326
5°	7291	7287	7397
10°	7288	7284	7395
15°	7266	7272	7399
20°	7243	7257	7388
25°	7207	7225	7364
30°	7163	7194	7351
35°	7117	7161	7347
40°	7061	7135	7333
45°	7018	7106	7303
50°	6947	7055	7257
55°	6839	6966	7185
60°	6674	6846	7058
65°	6423	6666	6736
70°	6039	6320	6282
75°	5424	5653	5692
80°	4481	4710	4956
85°	3000	3495	3684

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7303 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.1	3.2
10°-20°	592.3	9.2
20°-30°	902.0	14.1
30°-40°	1097.7	17.1
40°-50°	1157.2	18.0
50°-60°	1065.9	16.6
60°-70°	823.2	12.8
70°-80°	460.6	7.2
80°-90°	111.0	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°	1700.3	26.5
0°-40°	2798.0	43.6
0°-60°	5021.1	78.3
0°-90°	6416.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6416.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2174	2174	2174	2174	2174	
5°	2156	2186	2154	2157	2187	205
15°	2083	2111	2085	2096	2121	588
25°	1938	1966	1943	1956	1981	893
35°	1730	1756	1741	1762	1786	1082
45°	1473	1493	1491	1514	1533	1135
55°	1164	1184	1186	1210	1223	1039
65°	806	829	836	844	845	796
75°	417	442	434	433	437	442
85°	78	86	90	101	95	99
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2174.1	2174.1	2174.1	2174.1	2174.1
2.5°	2160.4	2191.8	2160.4	2165.3	2183.0
5°	2155.5	2185.9	2154.5	2157.4	2186.9
7.5°	2142.7	2174.1	2144.7	2148.6	2177.1
10°	2129.9	2158.4	2129.0	2133.9	2161.4
12.5°	2108.3	2137.8	2110.3	2116.2	2143.7
15°	2082.8	2111.3	2084.7	2096.5	2121.1
17.5°	2053.3	2080.8	2055.3	2069.0	2092.6
20°	2019.9	2046.4	2023.8	2033.7	2060.2
22.5°	1980.6	2008.1	1986.5	1995.3	2023.8
25°	1938.4	1965.9	1943.3	1956.0	1980.6
27.5°	1892.2	1918.7	1899.1	1914.8	1936.4
30°	1841.1	1866.6	1849.0	1867.6	1889.2
32.5°	1786.1	1813.6	1795.9	1817.5	1839.1
35°	1730.1	1755.6	1740.9	1762.5	1786.1
37.5°	1669.2	1693.7	1682.9	1705.5	1727.1
40°	1605.3	1632.8	1622.0	1645.6	1667.2
42.5°	1539.5	1566.0	1557.2	1581.7	1600.4
45°	1472.7	1493.3	1491.3	1513.9	1532.6
47.5°	1399.0	1424.5	1420.6	1443.2	1459.9
50°	1325.3	1345.9	1345.9	1367.6	1384.3
52.5°	1245.7	1266.4	1266.4	1291.9	1305.7
55°	1164.2	1183.8	1185.8	1210.4	1223.1
57.5°	1077.7	1098.4	1102.3	1126.9	1138.7
60°	990.3	1010.0	1015.8	1040.4	1047.3
62.5°	898.9	922.5	925.5	945.1	949.0
65°	805.6	829.2	836.1	843.9	844.9
67.5°	710.3	734.9	741.7	741.7	741.7
70°	613.0	635.6	641.5	637.6	637.6
72.5°	514.8	539.4	536.4	532.5	534.4
75°	416.6	442.1	434.2	433.3	437.2
77.5°	322.2	346.8	334.0	341.9	342.9
80°	230.9	249.5	242.7	254.5	255.4
82.5°	148.3	160.1	162.1	171.9	169.0
85°	77.6	85.5	90.4	101.2	95.3
87.5°	24.6	32.4	29.5	34.4	26.5
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	18.95	20.61	19.32	20.92	21.24	19.17	20.83	19.54	21.14	21.45
	3H	20.77	22.27	21.15	22.60	22.96	20.97	22.47	21.35	22.79	23.15
	4H	21.42	22.83	21.82	23.18	23.56	21.61	23.02	22.01	23.37	23.74
	6H	21.85	23.16	22.26	23.52	23.91	22.06	23.37	22.47	23.73	24.13
	8H	21.96	23.21	22.38	23.60	24.00	22.19	23.44	22.62	23.83	24.23
	12H	22.01	23.21	22.44	23.59	24.02	22.27	23.47	22.70	23.85	24.28
4H	2H	19.63	21.05	20.03	21.39	21.77	19.80	21.22	20.20	21.56	21.94
	3H	21.67	22.86	22.08	23.26	23.66	21.82	23.00	22.23	23.40	23.80
	4H	22.45	23.53	22.88	23.94	24.37	22.57	23.65	23.01	24.06	24.49
	6H	23.00	23.94	23.46	24.38	24.84	23.15	24.09	23.60	24.53	24.98
	8H	23.15	24.03	23.61	24.47	24.93	23.32	24.20	23.78	24.64	25.11
	12H	23.23	24.02	23.71	24.50	24.97	23.44	24.23	23.92	24.70	25.17
8H	4H	22.76	23.64	23.22	24.08	24.54	22.87	23.75	23.33	24.19	24.65
	6H	23.42	24.15	23.91	24.64	25.11	23.55	24.28	24.04	24.77	25.24
	8H	23.63	24.28	24.13	24.78	25.27	23.79	24.44	24.30	24.95	25.43
	12H	23.76	24.34	24.27	24.83	25.39	23.97	24.54	24.47	25.03	25.59
12H	4H	22.79	23.58	23.27	24.06	24.52	22.90	23.69	23.38	24.16	24.63
	6H	23.47	24.12	23.97	24.63	25.11	23.59	24.25	24.10	24.75	25.24
	8H	23.72	24.30	24.23	24.79	25.35	23.88	24.46	24.39	24.95	25.51