

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: P1585886

Luminaire Tested: 14CZSP-SB-70VHE-L940-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585886
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-70VHE-L940-S
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 7200 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

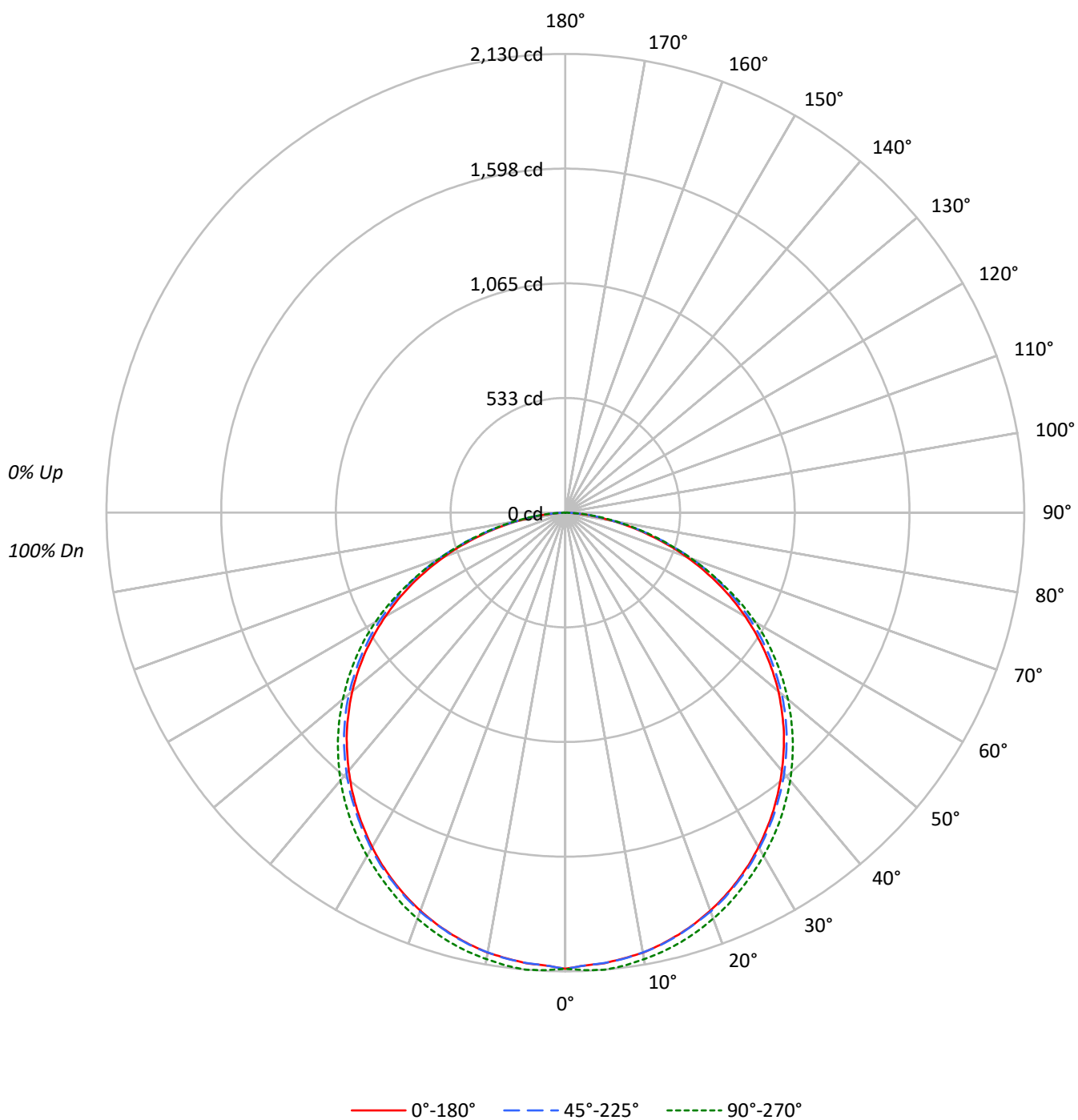
Lumens per Lamp: N/A
Luminaire Lumens: 6250.0 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 51.9
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	99	96	106	102	98	94	97	94	91		93	91	88		90
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55
6	70	56	47	40	68	55	46	40	53	46	40		52	45	40		50
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		46
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42
9	56	42	34	28	55	42	34	28	41	33	28		40	33	28		39
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7136	7136	7136
5°	7102	7099	7206
10°	7099	7096	7204
15°	7078	7084	7208
20°	7055	7069	7196
25°	7020	7038	7173
30°	6978	7008	7161
35°	6932	6976	7157
40°	6879	6950	7144
45°	6836	6923	7115
50°	6768	6873	7068
55°	6662	6786	7000
60°	6501	6669	6875
65°	6257	6493	6562
70°	5884	6157	6119
75°	5283	5507	5545
80°	4364	4587	4828
85°	2923	3402	3588

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7115 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.7	3.2
10°-20°	577.0	9.2
20°-30°	878.6	14.1
30°-40°	1069.3	17.1
40°-50°	1127.3	18.0
50°-60°	1038.3	16.6
60°-70°	801.9	12.8
70°-80°	448.7	7.2
80°-90°	108.1	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°	1656.3	26.5
0°-40°	2725.6	43.6
0°-60°	4891.2	78.3
0°-90°	6250.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6250.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2118	2118	2118	2118	2118	
5°	2100	2129	2099	2102	2130	200
15°	2029	2057	2031	2042	2066	573
25°	1888	1915	1893	1905	1929	870
35°	1685	1710	1696	1717	1740	1054
45°	1435	1455	1453	1475	1493	1105
55°	1134	1153	1155	1179	1192	1012
65°	785	808	814	822	823	775
75°	406	431	423	422	426	430
85°	76	83	88	99	93	97
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2117.9	2117.9	2117.9	2117.9	2117.9
2.5°	2104.5	2135.1	2104.5	2109.3	2126.5
5°	2099.7	2129.4	2098.8	2101.6	2130.3
7.5°	2087.3	2117.9	2089.2	2093.0	2120.8
10°	2074.8	2102.6	2073.9	2078.7	2105.5
12.5°	2053.8	2082.5	2055.7	2061.4	2088.2
15°	2028.9	2056.6	2030.8	2042.3	2066.2
17.5°	2000.2	2027.0	2002.1	2015.5	2038.5
20°	1967.6	1993.5	1971.5	1981.0	2006.9
22.5°	1929.4	1956.2	1935.1	1943.7	1971.5
25°	1888.2	1915.0	1893.0	1905.4	1929.4
27.5°	1843.2	1869.1	1849.9	1865.2	1886.3
30°	1793.5	1818.3	1801.1	1819.3	1840.4
32.5°	1739.9	1766.7	1749.4	1770.5	1791.6
35°	1685.3	1710.2	1695.8	1716.9	1739.9
37.5°	1626.0	1649.9	1639.4	1661.4	1682.4
40°	1563.8	1590.6	1580.0	1603.0	1624.1
42.5°	1499.7	1525.5	1516.9	1540.8	1559.0
45°	1434.6	1454.7	1452.8	1474.8	1493.0
47.5°	1362.8	1387.7	1383.9	1405.9	1422.1
50°	1291.0	1311.1	1311.1	1332.2	1348.4
52.5°	1213.5	1233.6	1233.6	1258.5	1271.9
55°	1134.1	1153.2	1155.1	1179.1	1191.5
57.5°	1049.9	1070.0	1073.8	1097.7	1109.2
60°	964.7	983.8	989.6	1013.5	1020.2
62.5°	875.7	898.6	901.5	920.7	924.5
65°	784.8	807.7	814.4	822.1	823.0
67.5°	691.9	715.9	722.6	722.6	722.6
70°	597.2	619.2	624.9	621.1	621.1
72.5°	501.5	525.4	522.5	518.7	520.6
75°	405.8	430.7	423.0	422.0	425.9
77.5°	313.9	337.8	325.4	333.0	334.0
80°	224.9	243.1	236.4	247.9	248.8
82.5°	144.5	156.0	157.9	167.5	164.6
85°	75.6	83.3	88.0	98.6	92.8
87.5°	23.9	31.6	28.7	33.5	25.8
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	18.86	20.52	19.23	20.83	21.15	19.08	20.73	19.44	21.05	21.36
	3H	20.68	22.18	21.06	22.51	22.87	20.88	22.38	21.26	22.70	23.06
	4H	21.33	22.74	21.73	23.09	23.46	21.52	22.93	21.92	23.28	23.65
	6H	21.76	23.07	22.17	23.43	23.82	21.97	23.28	22.38	23.64	24.03
	8H	21.87	23.12	22.29	23.51	23.91	22.10	23.35	22.53	23.74	24.14
	12H	21.92	23.12	22.35	23.50	23.93	22.18	23.38	22.61	23.76	24.19
4H	2H	19.54	20.95	19.94	21.30	21.68	19.71	21.12	20.11	21.47	21.85
	3H	21.58	22.77	21.99	23.16	23.56	21.73	22.91	22.13	23.31	23.71
	4H	22.36	23.44	22.79	23.85	24.28	22.48	23.56	22.91	23.97	24.40
	6H	22.91	23.85	23.37	24.29	24.74	23.06	24.00	23.51	24.44	24.89
	8H	23.06	23.94	23.52	24.38	24.84	23.23	24.11	23.69	24.55	25.02
	12H	23.14	23.93	23.62	24.41	24.87	23.35	24.13	23.83	24.61	25.08
8H	4H	22.67	23.55	23.13	23.99	24.45	22.78	23.66	23.24	24.10	24.56
	6H	23.33	24.06	23.82	24.55	25.02	23.46	24.19	23.95	24.68	25.15
	8H	23.54	24.19	24.04	24.69	25.18	23.70	24.35	24.21	24.86	25.34
	12H	23.67	24.25	24.18	24.74	25.30	23.88	24.45	24.38	24.94	25.50
12H	4H	22.70	23.49	23.18	23.96	24.43	22.81	23.59	23.29	24.07	24.54
	6H	23.37	24.03	23.88	24.54	25.02	23.50	24.16	24.01	24.66	25.15
	8H	23.63	24.21	24.14	24.70	25.26	23.79	24.37	24.30	24.86	25.42