

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: P1585883

Luminaire Tested: 14CZSP-SB-70VHE-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585883
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-70VHE-L930
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 7200 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

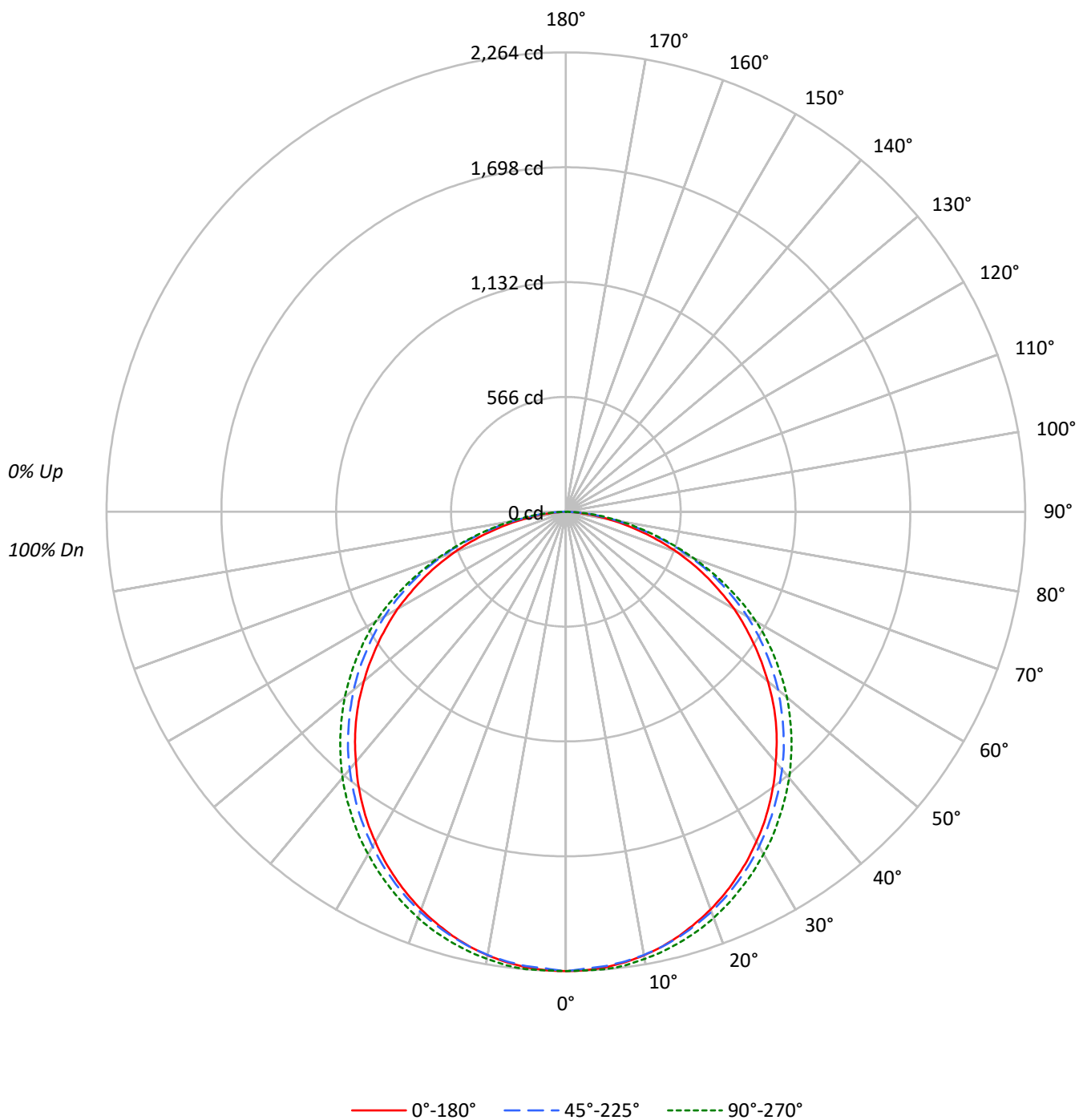
Lumens per Lamp: N/A
Luminaire Lumens: 6541.0 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	7629	7629	7629
5°	7623	7604	7655
10°	7595	7589	7656
15°	7547	7563	7652
20°	7480	7524	7639
25°	7398	7469	7609
30°	7306	7412	7581
35°	7205	7352	7554
40°	7079	7290	7534
45°	6977	7224	7493
50°	6811	7157	7458
55°	6637	7063	7400
60°	6457	6960	7302
65°	6167	6776	7024
70°	5756	6470	6627
75°	5127	5864	6036
80°	4188	5082	5338
85°	2768	4044	4334

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7493 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.4	3.3
10°-20°	614.3	9.4
20°-30°	930.0	14.2
30°-40°	1122.6	17.2
40°-50°	1172.3	17.9
50°-60°	1072.4	16.4
60°-70°	829.1	12.7
70°-80°	469.4	7.2
80°-90°	116.6	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°	1758.7	26.9
0°-40°	2881.3	44.0
0°-60°	5126.0	78.4
0°-90°	6541.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6541.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2264	2264	2264	2264	2264	
5°	2254	2270	2248	2250	2263	214
15°	2163	2182	2168	2178	2194	610
25°	1990	2015	2009	2028	2046	917
35°	1752	1776	1787	1818	1836	1096
45°	1464	1492	1516	1555	1572	1128
55°	1130	1164	1202	1240	1260	1010
65°	774	806	850	875	881	763
75°	394	428	450	462	464	418
85°	72	83	105	109	112	92
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2264.1	2264.1	2264.1	2264.1	2264.1
2.5°	2261.3	2277.3	2252.8	2257.5	2262.2
5°	2253.8	2269.8	2248.1	2250.0	2263.2
7.5°	2239.6	2257.5	2234.9	2238.7	2254.7
10°	2219.8	2237.7	2217.9	2221.7	2237.7
12.5°	2194.4	2212.3	2195.3	2201.0	2218.9
15°	2163.3	2182.1	2168.0	2178.4	2193.5
17.5°	2125.6	2149.2	2134.1	2150.1	2165.2
20°	2086.0	2109.6	2098.3	2112.4	2130.3
22.5°	2040.8	2064.4	2055.9	2071.0	2090.8
25°	1989.9	2015.4	2008.8	2027.6	2046.5
27.5°	1937.2	1961.7	1959.8	1980.5	2000.3
30°	1877.8	1904.2	1905.1	1929.6	1948.5
32.5°	1818.5	1842.0	1847.7	1875.0	1896.7
35°	1751.6	1776.1	1787.4	1817.5	1836.4
37.5°	1683.7	1711.0	1723.3	1756.3	1776.1
40°	1609.3	1640.4	1657.3	1692.2	1712.9
42.5°	1538.6	1566.9	1589.5	1624.4	1643.2
45°	1464.2	1492.5	1516.0	1554.6	1572.5
47.5°	1384.1	1415.2	1440.6	1478.3	1498.1
50°	1299.3	1333.2	1365.3	1402.0	1422.7
52.5°	1215.4	1248.4	1285.2	1321.0	1341.7
55°	1129.7	1163.6	1202.3	1239.9	1259.7
57.5°	1043.0	1076.9	1119.3	1153.3	1174.0
60°	958.2	989.3	1032.7	1066.6	1083.5
62.5°	862.1	897.9	942.2	976.1	985.5
65°	773.5	805.6	849.9	875.3	881.0
67.5°	679.3	711.4	755.6	769.8	778.3
70°	584.2	618.1	656.7	666.1	672.7
72.5°	488.1	522.9	553.1	562.5	568.1
75°	393.8	427.8	450.4	461.7	463.6
77.5°	302.4	333.5	354.3	367.5	367.5
80°	215.8	239.3	261.9	276.1	275.1
82.5°	137.6	155.5	179.0	189.4	196.0
85°	71.6	82.9	104.6	109.3	112.1
87.5°	22.6	29.2	37.7	31.1	30.2
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	18.74	20.39	19.10	20.70	21.02	19.28	20.93	19.65	21.25	21.56
	3H	20.51	22.01	20.89	22.33	22.69	21.14	22.63	21.52	22.96	23.32
	4H	21.14	22.54	21.53	22.89	23.27	21.81	23.22	22.21	23.57	23.94
	6H	21.54	22.85	21.95	23.21	23.60	22.30	23.60	22.71	23.97	24.36
	8H	21.64	22.89	22.07	23.28	23.68	22.45	23.70	22.88	24.09	24.49
	12H	21.69	22.89	22.12	23.27	23.70	22.55	23.75	22.98	24.13	24.56
4H	2H	19.48	20.89	19.88	21.23	21.61	19.90	21.31	20.30	21.66	22.03
	3H	21.47	22.65	21.88	23.05	23.45	21.98	23.16	22.39	23.56	23.96
	4H	22.22	23.29	22.65	23.70	24.14	22.78	23.85	23.21	24.26	24.70
	6H	22.74	23.67	23.19	24.11	24.57	23.39	24.33	23.85	24.77	25.22
	8H	22.87	23.75	23.33	24.19	24.66	23.60	24.47	24.06	24.91	25.38
	12H	22.95	23.74	23.43	24.21	24.68	23.74	24.52	24.22	25.00	25.47
8H	4H	22.58	23.45	23.03	23.89	24.36	23.07	23.94	23.53	24.39	24.85
	6H	23.21	23.94	23.70	24.42	24.90	23.80	24.53	24.29	25.02	25.49
	8H	23.40	24.05	23.91	24.56	25.05	24.08	24.73	24.58	25.23	25.72
	12H	23.53	24.10	24.03	24.59	25.15	24.28	24.86	24.79	25.35	25.91
12H	4H	22.62	23.40	23.10	23.88	24.35	23.09	23.88	23.57	24.36	24.82
	6H	23.27	23.93	23.78	24.43	24.92	23.84	24.50	24.35	25.00	25.49
	8H	23.52	24.10	24.03	24.59	25.15	24.17	24.75	24.68	25.24	25.80