

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: P1585791

Luminaire Tested: 14CZSP-SB-54HE-L950

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585791
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-54HE-L950
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 5000 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

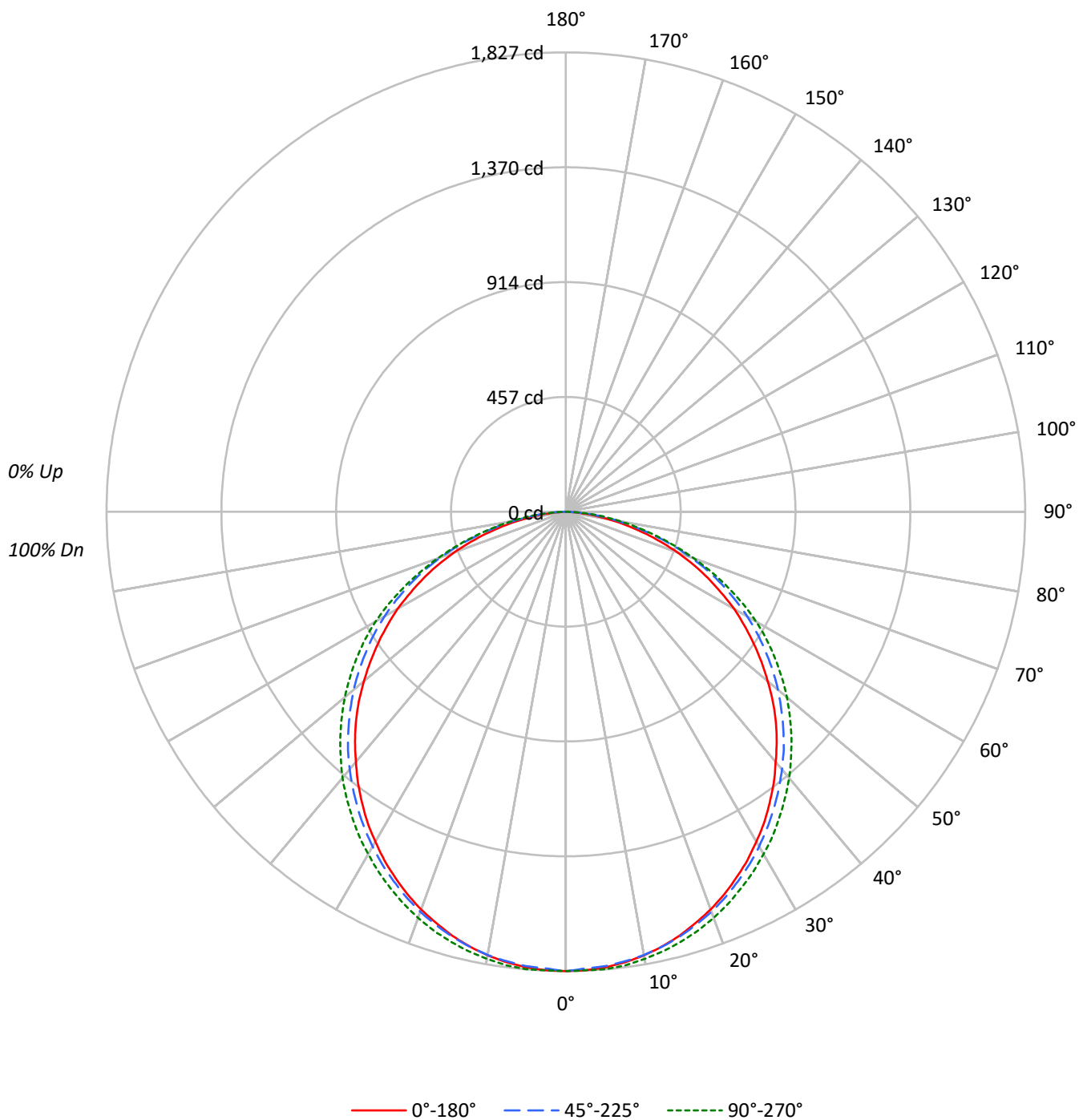
Lumens per Lamp: N/A
Luminaire Lumens: 5278.0 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 37.3
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°	6156	6156	6156
5°	6151	6136	6177
10°	6129	6124	6178
15°	6089	6103	6174
20°	6036	6071	6164
25°	5970	6026	6139
30°	5895	5981	6117
35°	5814	5932	6095
40°	5712	5882	6080
45°	5630	5829	6047
50°	5496	5775	6018
55°	5355	5699	5972
60°	5211	5616	5892
65°	4977	5468	5668
70°	4644	5221	5348
75°	4137	4731	4870
80°	3378	4102	4308
85°	2235	3263	3499

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6047 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.0	3.3
10°-20°	495.7	9.4
20°-30°	750.4	14.2
30°-40°	905.8	17.2
40°-50°	945.9	17.9
50°-60°	865.3	16.4
60°-70°	669.0	12.7
70°-80°	378.7	7.2
80°-90°	94.1	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°	1419.1	26.9
0°-40°	2324.9	44.0
0°-60°	4136.2	78.4
0°-90°	5278.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5278.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1827	1827	1827	1827	1827	
5°	1819	1832	1814	1816	1826	173
15°	1746	1761	1749	1758	1770	492
25°	1606	1626	1621	1636	1651	740
35°	1413	1433	1442	1467	1482	884
45°	1182	1204	1223	1254	1269	910
55°	912	939	970	1000	1016	815
65°	624	650	686	706	711	616
75°	318	345	363	372	374	337
85°	58	67	84	88	90	75
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1826.9	1826.9	1826.9	1826.9	1826.9
2.5°	1824.7	1837.6	1817.8	1821.6	1825.4
5°	1818.6	1831.5	1814.0	1815.5	1826.2
7.5°	1807.2	1821.6	1803.4	1806.4	1819.3
10°	1791.2	1805.7	1789.7	1792.7	1805.7
12.5°	1770.7	1785.1	1771.4	1776.0	1790.4
15°	1745.6	1760.8	1749.4	1757.8	1769.9
17.5°	1715.2	1734.2	1722.0	1734.9	1747.1
20°	1683.2	1702.3	1693.1	1704.5	1719.0
22.5°	1646.8	1665.8	1658.9	1671.1	1687.0
25°	1605.7	1626.2	1620.9	1636.1	1651.3
27.5°	1563.1	1582.9	1581.4	1598.1	1614.1
30°	1515.2	1536.5	1537.3	1557.0	1572.2
32.5°	1467.3	1486.3	1490.9	1512.9	1530.4
35°	1413.3	1433.1	1442.2	1466.6	1481.8
37.5°	1358.6	1380.7	1390.5	1417.2	1433.1
40°	1298.5	1323.6	1337.3	1365.5	1382.2
42.5°	1241.5	1264.3	1282.6	1310.7	1325.9
45°	1181.5	1204.3	1223.3	1254.5	1268.9
47.5°	1116.8	1141.9	1162.5	1192.9	1208.8
50°	1048.4	1075.8	1101.6	1131.3	1148.0
52.5°	980.8	1007.4	1037.0	1065.9	1082.6
55°	911.6	938.9	970.1	1000.5	1016.5
57.5°	841.6	869.0	903.2	930.6	947.3
60°	773.2	798.3	833.3	860.6	874.3
62.5°	695.7	724.5	760.3	787.6	795.2
65°	624.2	650.0	685.8	706.3	710.9
67.5°	548.2	574.0	609.7	621.1	628.0
70°	471.4	498.7	529.9	537.5	542.8
72.5°	393.8	422.0	446.3	453.9	458.4
75°	317.8	345.2	363.4	372.5	374.1
77.5°	244.0	269.1	285.9	296.5	296.5
80°	174.1	193.1	211.4	222.8	222.0
82.5°	111.0	125.4	144.5	152.8	158.1
85°	57.8	66.9	84.4	88.2	90.5
87.5°	18.2	23.6	30.4	25.1	24.3
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	17.99	19.64	18.36	19.96	20.27	18.54	20.19	18.90	20.50	20.81
	3H	19.77	21.26	20.14	21.59	21.95	20.40	21.89	20.77	22.22	22.58
	4H	20.39	21.80	20.79	22.15	22.52	21.07	22.48	21.47	22.82	23.20
	6H	20.80	22.10	21.21	22.47	22.86	21.55	22.86	21.96	23.22	23.61
	8H	20.90	22.14	21.32	22.53	22.93	21.71	22.96	22.13	23.35	23.74
	12H	20.94	22.14	21.37	22.52	22.95	21.81	23.00	22.24	23.38	23.81
4H	2H	18.73	20.14	19.13	20.49	20.86	19.16	20.56	19.55	20.91	21.29
	3H	20.73	21.91	21.13	22.30	22.70	21.23	22.42	21.64	22.81	23.21
	4H	21.48	22.54	21.91	22.96	23.39	22.03	23.10	22.47	23.52	23.95
	6H	21.99	22.93	22.45	23.37	23.82	22.65	23.58	23.10	24.02	24.48
	8H	22.13	23.00	22.59	23.45	23.91	22.85	23.73	23.31	24.17	24.63
	12H	22.21	22.99	22.69	23.47	23.94	22.99	23.78	23.47	24.25	24.72
8H	4H	21.83	22.70	22.29	23.15	23.61	22.32	23.20	22.78	23.64	24.11
	6H	22.46	23.19	22.96	23.68	24.15	23.06	23.78	23.55	24.27	24.75
	8H	22.66	23.31	23.16	23.81	24.30	23.33	23.98	23.84	24.49	24.97
	12H	22.78	23.36	23.29	23.85	24.41	23.54	24.11	24.04	24.60	25.16
12H	4H	21.87	22.66	22.35	23.13	23.60	22.35	23.14	22.83	23.61	24.08
	6H	22.53	23.18	23.04	23.69	24.17	23.10	23.75	23.61	24.26	24.74
	8H	22.78	23.35	23.28	23.84	24.40	23.43	24.00	23.93	24.49	25.05