

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: P1585787

Luminaire Tested: 14CZSP-SB-54HE-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585787
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-L940
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 5000 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

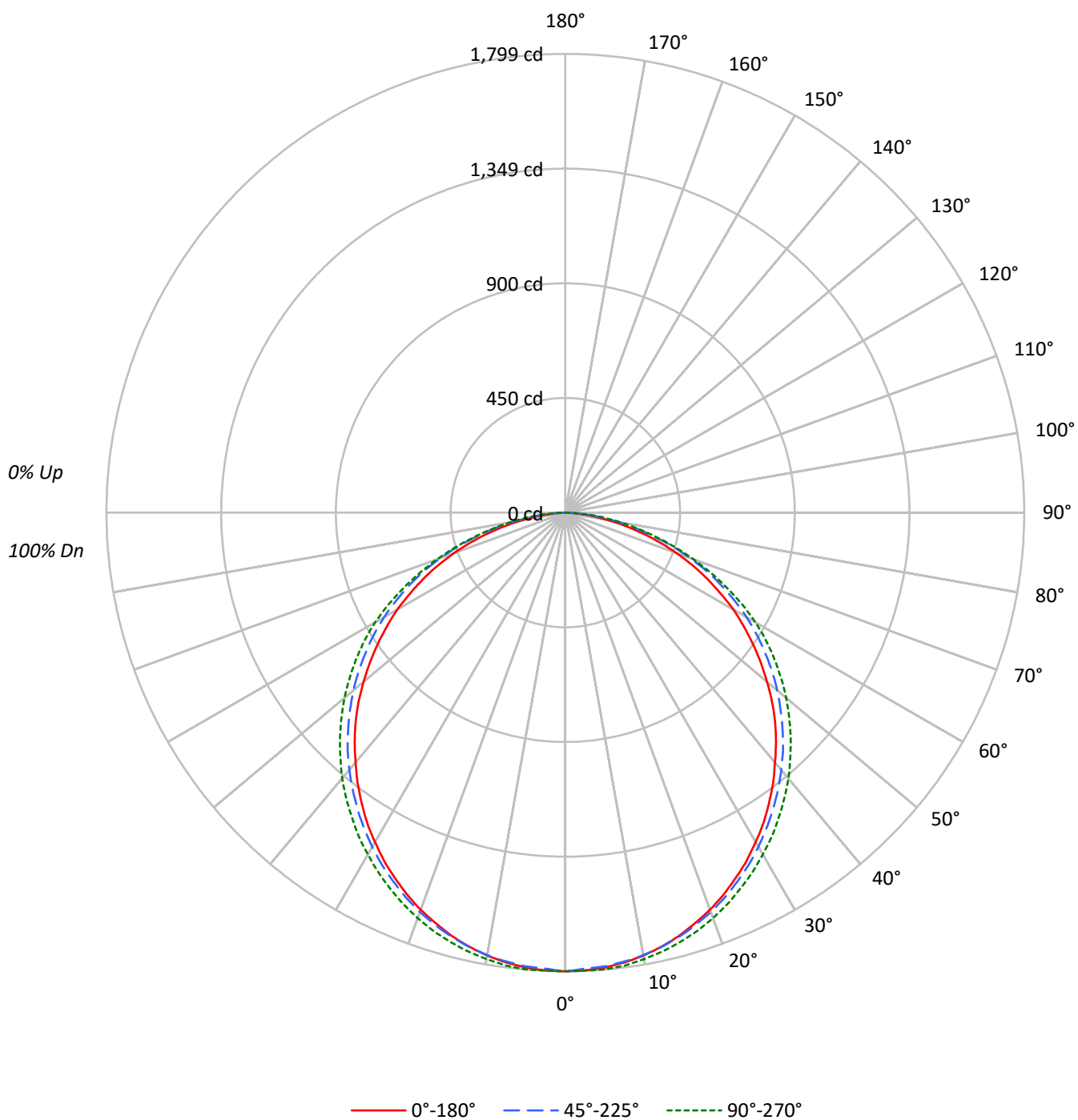
Lumens per Lamp: N/A
Luminaire Lumens: 5197.0 lumens
Efficiency: N/A
Efficacy: 139.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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
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°	6062	6062	6062
5°	6057	6042	6082
10°	6035	6029	6083
15°	5996	6009	6080
20°	5943	5978	6069
25°	5878	5934	6045
30°	5805	5890	6023
35°	5725	5842	6002
40°	5624	5792	5987
45°	5543	5740	5954
50°	5411	5686	5926
55°	5273	5611	5880
60°	5131	5529	5802
65°	4900	5383	5580
70°	4572	5141	5266
75°	4074	4658	4795
80°	3326	4038	4242
85°	2200	3213	3445

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5954 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.4	3.3
10°-20°	488.0	9.4
20°-30°	738.9	14.2
30°-40°	891.9	17.2
40°-50°	931.4	17.9
50°-60°	852.1	16.4
60°-70°	658.7	12.7
70°-80°	372.9	7.2
80°-90°	92.6	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°	1397.3	26.9
0°-40°	2289.2	44.0
0°-60°	4072.7	78.4
0°-90°	5197.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5197.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1799	1799	1799	1799	1799	
5°	1791	1803	1786	1788	1798	170
15°	1719	1734	1722	1731	1743	485
25°	1581	1601	1596	1611	1626	729
35°	1392	1411	1420	1444	1459	871
45°	1163	1186	1204	1235	1249	896
55°	898	924	955	985	1001	803
65°	615	640	675	696	700	607
75°	313	340	358	367	368	332
85°	57	66	83	87	89	73
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1798.9	1798.9	1798.9	1798.9	1798.9
2.5°	1796.7	1809.4	1789.9	1793.7	1797.4
5°	1790.7	1803.4	1786.2	1787.7	1798.2
7.5°	1779.4	1793.7	1775.7	1778.7	1791.4
10°	1763.7	1777.9	1762.2	1765.2	1777.9
12.5°	1743.5	1757.7	1744.3	1748.7	1763.0
15°	1718.8	1733.8	1722.5	1730.8	1742.8
17.5°	1688.9	1707.6	1695.6	1708.3	1720.3
20°	1657.4	1676.1	1667.1	1678.4	1692.6
22.5°	1621.5	1640.2	1633.5	1645.4	1661.2
25°	1581.1	1601.3	1596.0	1611.0	1626.0
27.5°	1539.1	1558.6	1557.1	1573.6	1589.3
30°	1492.0	1512.9	1513.7	1533.1	1548.1
32.5°	1444.8	1463.5	1468.0	1489.7	1506.9
35°	1391.7	1411.1	1420.1	1444.1	1459.0
37.5°	1337.8	1359.5	1369.2	1395.4	1411.1
40°	1278.6	1303.3	1316.8	1344.5	1361.0
42.5°	1222.5	1244.9	1262.9	1290.6	1305.6
45°	1163.3	1185.8	1204.5	1235.2	1249.4
47.5°	1099.7	1124.4	1144.6	1174.6	1190.3
50°	1032.3	1059.3	1084.7	1113.9	1130.4
52.5°	965.7	991.9	1021.1	1049.5	1066.0
55°	897.6	924.5	955.2	985.2	1000.9
57.5°	828.7	855.7	889.3	916.3	932.8
60°	761.3	786.0	820.5	847.4	860.9
62.5°	685.0	713.4	748.6	775.6	783.0
65°	614.6	640.1	675.2	695.5	699.9
67.5°	539.7	565.2	600.4	611.6	618.3
70°	464.1	491.1	521.8	529.3	534.5
72.5°	387.8	415.5	439.4	446.9	451.4
75°	312.9	339.9	357.8	366.8	368.3
77.5°	240.3	265.0	281.5	292.0	292.0
80°	171.4	190.1	208.1	219.3	218.6
82.5°	109.3	123.5	142.2	150.5	155.7
85°	56.9	65.9	83.1	86.8	89.1
87.5°	18.0	23.2	29.9	24.7	24.0
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	17.94	19.59	18.31	19.91	20.22	18.48	20.13	18.85	20.45	20.76
	3H	19.71	21.21	20.09	21.53	21.89	20.34	21.84	20.72	22.16	22.52
	4H	20.34	21.75	20.74	22.09	22.47	21.01	22.42	21.41	22.77	23.14
	6H	20.74	22.05	21.15	22.41	22.80	21.50	22.81	21.91	23.17	23.56
	8H	20.84	22.09	21.27	22.48	22.88	21.66	22.90	22.08	23.29	23.69
	12H	20.89	22.09	21.32	22.47	22.90	21.75	22.95	22.18	23.33	23.76
4H	2H	18.68	20.09	19.08	20.44	20.81	19.10	20.51	19.50	20.86	21.23
	3H	20.67	21.85	21.08	22.25	22.65	21.18	22.36	21.59	22.76	23.16
	4H	21.42	22.49	21.85	22.90	23.34	21.98	23.05	22.41	23.46	23.90
	6H	21.94	22.88	22.39	23.32	23.77	22.60	23.53	23.05	23.97	24.43
	8H	22.08	22.95	22.54	23.39	23.86	22.80	23.67	23.26	24.12	24.58
	12H	22.15	22.94	22.63	23.41	23.88	22.94	23.72	23.42	24.20	24.67
8H	4H	21.78	22.65	22.24	23.09	23.56	22.27	23.15	22.73	23.59	24.05
	6H	22.41	23.14	22.90	23.62	24.10	23.00	23.73	23.50	24.22	24.69
	8H	22.60	23.25	23.11	23.76	24.25	23.28	23.93	23.78	24.43	24.92
	12H	22.73	23.30	23.23	23.79	24.35	23.48	24.06	23.99	24.55	25.11
12H	4H	21.82	22.60	22.30	23.08	23.55	22.29	23.08	22.77	23.56	24.03
	6H	22.47	23.13	22.98	23.63	24.12	23.04	23.70	23.55	24.20	24.69
	8H	22.72	23.30	23.23	23.79	24.35	23.37	23.95	23.88	24.44	25.00