

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: P1585773

Luminaire Tested: 14CZSP-SB-54HE-L830

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585773
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-L830
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 5000 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

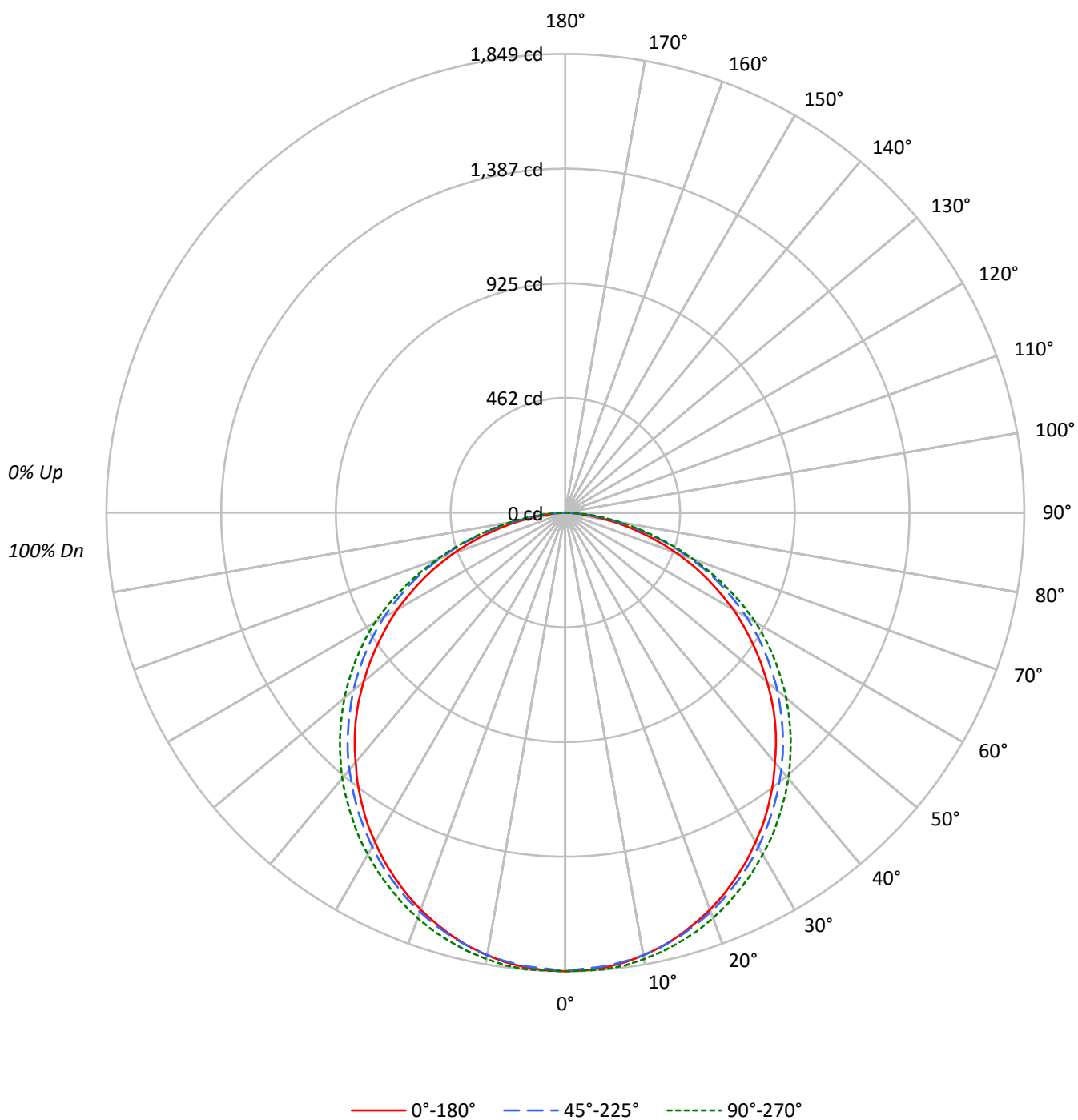
Lumens per Lamp: N/A
Luminaire Lumens: 5341.0 lumens
Efficiency: N/A
Efficacy: 143.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1585773

CATALOG NUMBER: 14CZSP-SB-54HE-L830

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°	6229	6229	6229
5°	6225	6209	6251
10°	6202	6196	6252
15°	6162	6176	6248
20°	6108	6144	6238
25°	6041	6099	6213
30°	5966	6053	6190
35°	5883	6004	6168
40°	5780	5953	6152
45°	5697	5899	6119
50°	5561	5844	6090
55°	5419	5767	6043
60°	5273	5682	5963
65°	5036	5533	5735
70°	4699	5283	5412
75°	4187	4787	4928
80°	3419	4151	4358
85°	2262	3302	3541

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6119 cd/sqm

TEST NUMBER: P1585773

CATALOG NUMBER: 14CZSP-SB-54HE-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.1	3.3
10°-20°	501.6	9.4
20°-30°	759.4	14.2
30°-40°	916.6	17.2
40°-50°	957.2	17.9
50°-60°	875.7	16.4
60°-70°	677.0	12.7
70°-80°	383.2	7.2
80°-90°	95.2	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°	1436.0	26.9
0°-40°	2352.7	44.0
0°-60°	4185.6	78.4
0°-90°	5341.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5341.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1849	1849	1849	1849	1849	
5°	1840	1853	1836	1837	1848	175
15°	1766	1782	1770	1779	1791	498
25°	1625	1646	1640	1656	1671	749
35°	1430	1450	1460	1484	1500	895
45°	1196	1219	1238	1269	1284	921
55°	922	950	982	1012	1029	825
65°	632	658	694	715	719	623
75°	322	349	368	377	378	341
85°	58	68	85	89	92	75
90°	0	0	0	0	0	

TEST NUMBER: P1585773

CATALOG NUMBER: 14CZSP-SB-54HE-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1848.7	1848.7	1848.7	1848.7	1848.7
2.5°	1846.4	1859.5	1839.5	1843.4	1847.2
5°	1840.3	1853.4	1835.7	1837.2	1848.0
7.5°	1828.7	1843.4	1824.9	1828.0	1841.1
10°	1812.6	1827.2	1811.0	1814.1	1827.2
12.5°	1791.8	1806.4	1792.6	1797.2	1811.8
15°	1766.4	1781.8	1770.3	1778.7	1791.0
17.5°	1735.7	1754.9	1742.6	1755.7	1768.0
20°	1703.3	1722.6	1713.3	1724.9	1739.5
22.5°	1666.4	1685.6	1678.7	1691.0	1707.2
25°	1624.9	1645.6	1640.3	1655.6	1671.0
27.5°	1581.8	1601.8	1600.2	1617.2	1633.3
30°	1533.3	1554.9	1555.6	1575.6	1591.0
32.5°	1484.8	1504.1	1508.7	1531.0	1548.7
35°	1430.2	1450.2	1459.5	1484.1	1499.5
37.5°	1374.8	1397.1	1407.1	1434.1	1450.2
40°	1314.0	1339.4	1353.3	1381.8	1398.7
42.5°	1256.3	1279.4	1297.9	1326.4	1341.7
45°	1195.6	1218.6	1237.9	1269.4	1284.0
47.5°	1130.2	1155.6	1176.3	1207.1	1223.3
50°	1060.9	1088.6	1114.8	1144.8	1161.7
52.5°	992.5	1019.4	1049.4	1078.6	1095.6
55°	922.4	950.1	981.7	1012.5	1028.6
57.5°	851.7	879.4	914.0	941.7	958.6
60°	782.4	807.8	843.2	870.9	884.8
62.5°	704.0	733.2	769.3	797.0	804.7
65°	631.6	657.8	694.0	714.7	719.3
67.5°	554.7	580.9	617.0	628.6	635.5
70°	477.0	504.7	536.2	543.9	549.3
72.5°	398.5	427.0	451.6	459.3	463.9
75°	321.6	349.3	367.7	377.0	378.5
77.5°	247.0	272.3	289.3	300.0	300.0
80°	176.2	195.4	213.9	225.4	224.6
82.5°	112.3	126.9	146.2	154.6	160.0
85°	58.5	67.7	85.4	89.2	91.6
87.5°	18.5	23.8	30.8	25.4	24.6
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	18.04	19.69	18.40	20.00	20.31	18.58	20.23	18.94	20.54	20.86
	3H	19.81	21.30	20.19	21.63	21.99	20.44	21.93	20.81	22.26	22.62
	4H	20.43	21.84	20.83	22.19	22.56	21.11	22.52	21.51	22.86	23.24
	6H	20.84	22.14	21.25	22.51	22.90	21.59	22.90	22.00	23.26	23.65
	8H	20.94	22.19	21.36	22.57	22.97	21.75	23.00	22.17	23.39	23.78
	12H	20.99	22.18	21.42	22.56	22.99	21.85	23.04	22.28	23.43	23.85
4H	2H	18.78	20.18	19.17	20.53	20.91	19.20	20.60	19.59	20.95	21.33
	3H	20.77	21.95	21.18	22.35	22.75	21.27	22.46	21.68	22.85	23.25
	4H	21.52	22.59	21.95	23.00	23.43	22.08	23.15	22.51	23.56	23.99
	6H	22.04	22.97	22.49	23.41	23.86	22.69	23.63	23.14	24.07	24.52
	8H	22.17	23.05	22.63	23.49	23.95	22.89	23.77	23.35	24.21	24.68
	12H	22.25	23.03	22.73	23.51	23.98	23.03	23.82	23.51	24.29	24.76
8H	4H	21.87	22.75	22.33	23.19	23.65	22.37	23.24	22.82	23.68	24.15
	6H	22.50	23.23	23.00	23.72	24.19	23.10	23.83	23.59	24.31	24.79
	8H	22.70	23.35	23.21	23.86	24.34	23.37	24.02	23.88	24.53	25.01
	12H	22.82	23.40	23.33	23.89	24.45	23.58	24.15	24.08	24.64	25.20
12H	4H	21.91	22.70	22.39	23.17	23.64	22.39	23.18	22.87	23.65	24.12
	6H	22.57	23.22	23.08	23.73	24.21	23.14	23.79	23.65	24.30	24.78
	8H	22.82	23.39	23.32	23.88	24.44	23.47	24.04	23.97	24.53	25.09