

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: P1585784

Luminaire Tested: 14CZSP-SB-54HE-L935-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585784
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-54HE-L935-S
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 5000 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

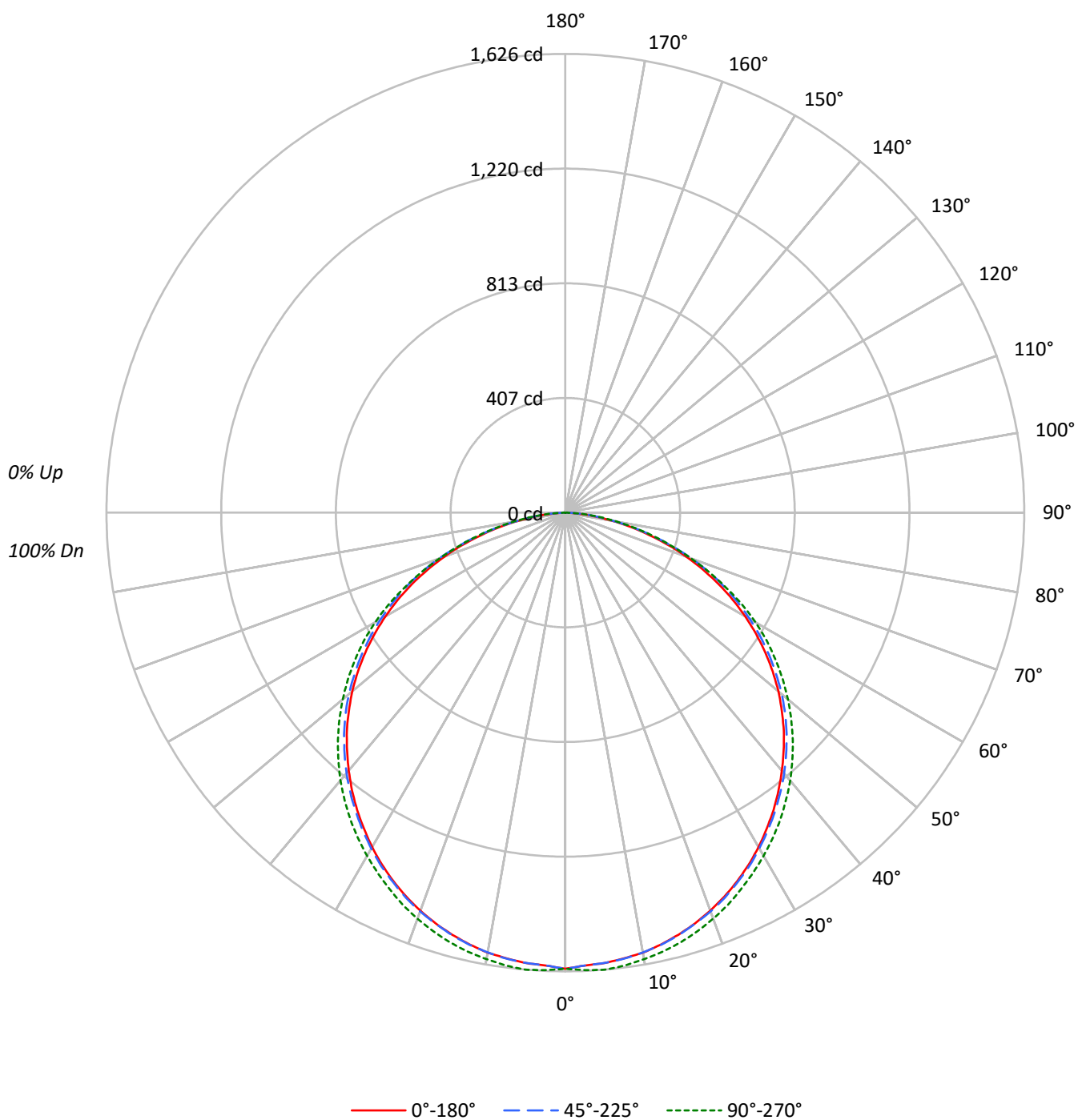
Lumens per Lamp: N/A
Luminaire Lumens: 4771.0 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1585784

CATALOG NUMBER: 14CZSP-SB-54HE-L935-S

Luminous Intensity Polar Plot



TEST NUMBER: P1585784

CATALOG NUMBER: 14CZSP-SB-54HE-L935-S

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°	5448	5448	5448
5°	5421	5419	5501
10°	5419	5417	5499
15°	5403	5408	5502
20°	5386	5396	5493
25°	5359	5372	5476
30°	5327	5350	5466
35°	5292	5325	5463
40°	5251	5305	5453
45°	5218	5285	5431
50°	5166	5247	5396
55°	5086	5180	5343
60°	4963	5091	5248
65°	4777	4957	5009
70°	4492	4700	4671
75°	4033	4204	4232
80°	3332	3501	3685
85°	2231	2598	2741

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5431 cd/sqm

TEST NUMBER: P1585784

CATALOG NUMBER: 14CZSP-SB-54HE-L935-S

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.2	3.2
10°-20°	440.4	9.2
20°-30°	670.7	14.1
30°-40°	816.3	17.1
40°-50°	860.5	18.0
50°-60°	792.6	16.6
60°-70°	612.2	12.8
70°-80°	342.5	7.2
80°-90°	82.6	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°	1264.4	26.5
0°-40°	2080.6	43.6
0°-60°	3733.8	78.3
0°-90°	4771.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4771.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1617	1617	1617	1617	1617	
5°	1603	1626	1602	1604	1626	152
15°	1549	1570	1550	1559	1577	437
25°	1441	1462	1445	1454	1473	664
35°	1286	1306	1294	1311	1328	805
45°	1095	1110	1109	1126	1140	844
55°	866	880	882	900	910	773
65°	599	617	622	628	628	592
75°	310	329	323	322	325	328
85°	58	64	67	75	71	74
90°	0	0	0	0	0	

TEST NUMBER: P1585784

CATALOG NUMBER: 14CZSP-SB-54HE-L935-S

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1616.7	1616.7	1616.7	1616.7	1616.7
2.5°	1606.5	1629.9	1606.5	1610.1	1623.3
5°	1602.8	1625.5	1602.1	1604.3	1626.2
7.5°	1593.3	1616.7	1594.8	1597.7	1618.9
10°	1583.8	1605.0	1583.1	1586.8	1607.2
12.5°	1567.8	1589.7	1569.2	1573.6	1594.1
15°	1548.8	1570.0	1550.2	1559.0	1577.3
17.5°	1526.9	1547.3	1528.3	1538.5	1556.1
20°	1502.0	1521.7	1504.9	1512.2	1532.0
22.5°	1472.8	1493.3	1477.2	1483.8	1504.9
25°	1441.4	1461.8	1445.0	1454.5	1472.8
27.5°	1407.0	1426.8	1412.2	1423.9	1439.9
30°	1369.1	1388.1	1374.9	1388.8	1404.9
32.5°	1328.1	1348.6	1335.5	1351.5	1367.6
35°	1286.5	1305.5	1294.5	1310.6	1328.1
37.5°	1241.2	1259.5	1251.4	1268.2	1284.3
40°	1193.7	1214.2	1206.1	1223.7	1239.8
42.5°	1144.8	1164.5	1157.9	1176.2	1190.1
45°	1095.1	1110.4	1109.0	1125.8	1139.7
47.5°	1040.3	1059.3	1056.4	1073.2	1085.6
50°	985.5	1000.9	1000.9	1016.9	1029.4
52.5°	926.3	941.7	941.7	960.7	970.9
55°	865.7	880.3	881.8	900.0	909.5
57.5°	801.4	816.8	819.7	837.9	846.7
60°	736.4	751.0	755.4	773.7	778.8
62.5°	668.5	686.0	688.2	702.8	705.7
65°	599.1	616.6	621.7	627.5	628.3
67.5°	528.2	546.5	551.6	551.6	551.6
70°	455.9	472.7	477.1	474.1	474.1
72.5°	382.8	401.1	398.9	396.0	397.4
75°	309.8	328.7	322.9	322.2	325.1
77.5°	239.6	257.9	248.4	254.2	255.0
80°	171.7	185.6	180.4	189.2	189.9
82.5°	110.3	119.1	120.5	127.8	125.7
85°	57.7	63.6	67.2	75.2	70.9
87.5°	18.3	24.1	21.9	25.6	19.7
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1585784

CATALOG NUMBER: 14CZSP-SB-54HE-L935-S

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	17.92	19.58	18.29	19.89	20.21	18.14	19.80	18.51	20.11	20.42
	3H	19.75	21.24	20.12	21.57	21.93	19.94	21.44	20.32	21.77	22.13
	4H	20.39	21.80	20.79	22.15	22.53	20.58	21.99	20.98	22.34	22.71
	6H	20.82	22.13	21.23	22.49	22.88	21.03	22.34	21.44	22.71	23.10
	8H	20.93	22.18	21.35	22.57	22.97	21.16	22.41	21.59	22.80	23.20
	12H	20.98	22.18	21.41	22.56	22.99	21.24	22.44	21.67	22.82	23.25
4H	2H	18.60	20.02	19.00	20.36	20.74	18.77	20.19	19.17	20.53	20.91
	3H	20.64	21.83	21.05	22.23	22.63	20.79	21.97	21.20	22.37	22.77
	4H	21.42	22.50	21.86	22.91	23.35	21.55	22.62	21.98	23.03	23.47
	6H	21.97	22.91	22.43	23.35	23.81	22.12	23.06	22.57	23.50	23.95
	8H	22.12	23.00	22.58	23.44	23.90	22.29	23.17	22.75	23.61	24.08
	12H	22.20	22.99	22.68	23.47	23.94	22.41	23.20	22.89	23.67	24.14
8H	4H	21.73	22.61	22.19	23.05	23.52	21.84	22.72	22.30	23.16	23.62
	6H	22.39	23.12	22.88	23.61	24.08	22.52	23.25	23.01	23.74	24.21
	8H	22.60	23.25	23.11	23.76	24.24	22.76	23.41	23.27	23.92	24.40
	12H	22.73	23.31	23.24	23.80	24.36	22.94	23.51	23.44	24.00	24.56
12H	4H	21.76	22.55	22.24	23.03	23.49	21.87	22.66	22.35	23.13	23.60
	6H	22.44	23.09	22.94	23.60	24.08	22.56	23.22	23.07	23.72	24.21
	8H	22.69	23.27	23.20	23.76	24.32	22.85	23.43	23.36	23.92	24.48