

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: P1585775

Luminaire Tested: 14CZSP-SB-54HE-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585775
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-L835
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 5000 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

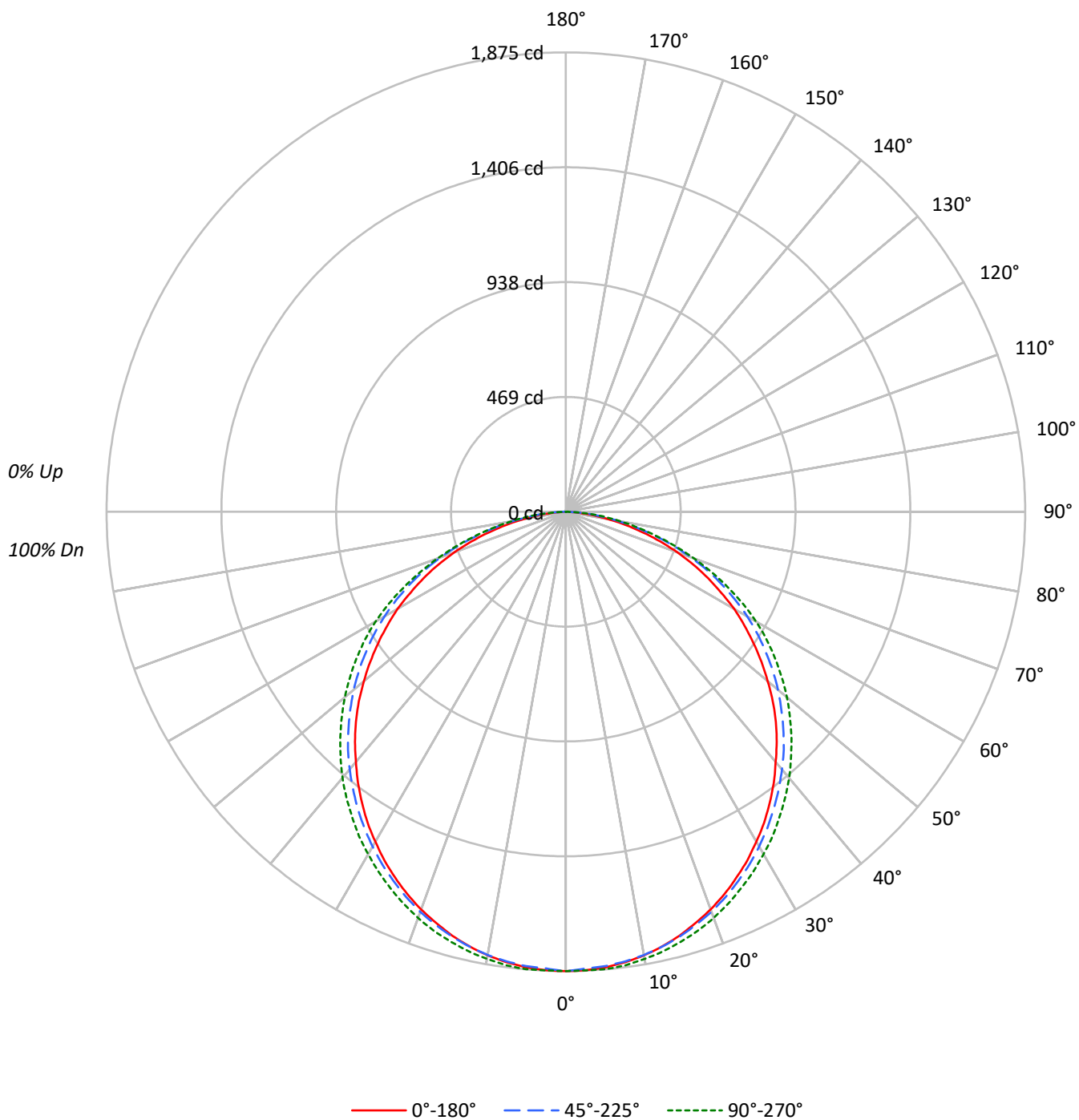
Lumens per Lamp: N/A
Luminaire Lumens: 5417.0 lumens
Efficiency: N/A
Efficacy: 145.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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: P1585775

CATALOG NUMBER: 14CZSP-SB-54HE-L835

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°	6318	6318	6318
5°	6313	6297	6340
10°	6290	6285	6341
15°	6250	6264	6337
20°	6195	6231	6326
25°	6127	6185	6301
30°	6051	6139	6279
35°	5967	6089	6256
40°	5862	6037	6240
45°	5778	5983	6206
50°	5641	5927	6176
55°	5496	5849	6129
60°	5348	5763	6047
65°	5108	5611	5817
70°	4766	5358	5489
75°	4247	4856	4998
80°	3468	4209	4420
85°	2293	3348	3592

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6206 cd/sqm

TEST NUMBER: P1585775

CATALOG NUMBER: 14CZSP-SB-54HE-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.6	3.3
10°-20°	508.7	9.4
20°-30°	770.2	14.2
30°-40°	929.7	17.2
40°-50°	970.9	17.9
50°-60°	888.1	16.4
60°-70°	686.6	12.7
70°-80°	388.7	7.2
80°-90°	96.6	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°	1456.5	26.9
0°-40°	2386.1	44.0
0°-60°	4245.1	78.4
0°-90°	5417.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5417.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1875	1875	1875	1875	1875	
5°	1866	1880	1862	1863	1874	177
15°	1792	1807	1796	1804	1816	505
25°	1648	1669	1664	1679	1695	760
35°	1451	1471	1480	1505	1521	907
45°	1213	1236	1256	1288	1302	934
55°	936	964	996	1027	1043	837
65°	641	667	704	725	730	632
75°	326	354	373	382	384	346
85°	59	69	87	90	93	76
90°	0	0	0	0	0	

TEST NUMBER: P1585775

CATALOG NUMBER: 14CZSP-SB-54HE-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1875.1	1875.1	1875.1	1875.1	1875.1
2.5°	1872.7	1886.0	1865.7	1869.6	1873.5
5°	1866.5	1879.7	1861.8	1863.3	1874.3
7.5°	1854.8	1869.6	1850.9	1854.0	1867.2
10°	1838.4	1853.2	1836.8	1839.9	1853.2
12.5°	1817.3	1832.1	1818.1	1822.8	1837.6
15°	1791.6	1807.2	1795.5	1804.0	1816.5
17.5°	1760.3	1779.9	1767.4	1780.6	1793.1
20°	1727.6	1747.1	1737.7	1749.4	1764.3
22.5°	1690.1	1709.6	1702.6	1715.1	1731.5
25°	1648.0	1669.1	1663.6	1679.2	1694.8
27.5°	1604.3	1624.6	1623.0	1640.2	1656.6
30°	1555.1	1577.0	1577.8	1598.0	1613.7
32.5°	1506.0	1525.5	1530.2	1552.8	1570.7
35°	1450.6	1470.9	1480.2	1505.2	1520.8
37.5°	1394.4	1417.0	1427.2	1454.5	1470.9
40°	1332.7	1358.5	1372.5	1401.4	1418.6
42.5°	1274.2	1297.6	1316.4	1345.2	1360.8
45°	1212.6	1236.0	1255.5	1287.5	1302.3
47.5°	1146.3	1172.0	1193.1	1224.3	1240.7
50°	1076.0	1104.1	1130.6	1161.1	1178.2
52.5°	1006.6	1033.9	1064.3	1094.0	1111.1
55°	935.6	963.7	995.7	1026.9	1043.3
57.5°	863.8	891.9	927.0	955.1	972.2
60°	793.6	819.3	855.2	883.3	897.3
62.5°	714.0	743.6	780.3	808.4	816.2
65°	640.6	667.2	703.8	724.9	729.6
67.5°	562.6	589.1	625.8	637.5	644.5
70°	483.8	511.9	543.9	551.7	557.1
72.5°	404.2	433.1	458.0	465.8	470.5
75°	326.2	354.3	373.0	382.3	383.9
77.5°	250.5	276.2	293.4	304.3	304.3
80°	178.7	198.2	216.9	228.6	227.8
82.5°	113.9	128.7	148.3	156.8	162.3
85°	59.3	68.7	86.6	90.5	92.9
87.5°	18.7	24.2	31.2	25.7	25.0
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	18.08	19.74	18.45	20.05	20.36	18.63	20.28	18.99	20.59	20.90
	3H	19.86	21.35	20.23	21.68	22.04	20.49	21.98	20.86	22.31	22.67
	4H	20.48	21.89	20.88	22.24	22.61	21.16	22.57	21.56	22.91	23.29
	6H	20.89	22.19	21.30	22.56	22.95	21.64	22.95	22.05	23.31	23.70
	8H	20.99	22.23	21.41	22.62	23.02	21.80	23.05	22.22	23.44	23.83
	12H	21.04	22.23	21.46	22.61	23.04	21.90	23.09	22.33	23.47	23.90
4H	2H	18.82	20.23	19.22	20.58	20.95	19.25	20.65	19.64	21.00	21.38
	3H	20.82	22.00	21.22	22.39	22.79	21.32	22.51	21.73	22.90	23.30
	4H	21.57	22.63	22.00	23.05	23.48	22.12	23.19	22.56	23.61	24.04
	6H	22.08	23.02	22.54	23.46	23.91	22.74	23.67	23.19	24.11	24.57
	8H	22.22	23.09	22.68	23.54	24.00	22.94	23.82	23.40	24.26	24.72
	12H	22.30	23.08	22.78	23.56	24.03	23.08	23.87	23.56	24.34	24.81
8H	4H	21.92	22.80	22.38	23.24	23.70	22.41	23.29	22.87	23.73	24.20
	6H	22.55	23.28	23.05	23.77	24.24	23.15	23.87	23.64	24.36	24.84
	8H	22.75	23.40	23.26	23.90	24.39	23.42	24.07	23.93	24.58	25.06
	12H	22.87	23.45	23.38	23.94	24.50	23.63	24.20	24.13	24.69	25.25
12H	4H	21.96	22.75	22.44	23.22	23.69	22.44	23.23	22.92	23.70	24.17
	6H	22.62	23.27	23.13	23.78	24.26	23.19	23.84	23.70	24.35	24.83
	8H	22.87	23.44	23.37	23.93	24.49	23.52	24.09	24.02	24.58	25.14