

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: P1585754

Luminaire Tested: 14CZSP-SB-52-L835-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585754
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-52-L835-S
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 4500 lumens, 80CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

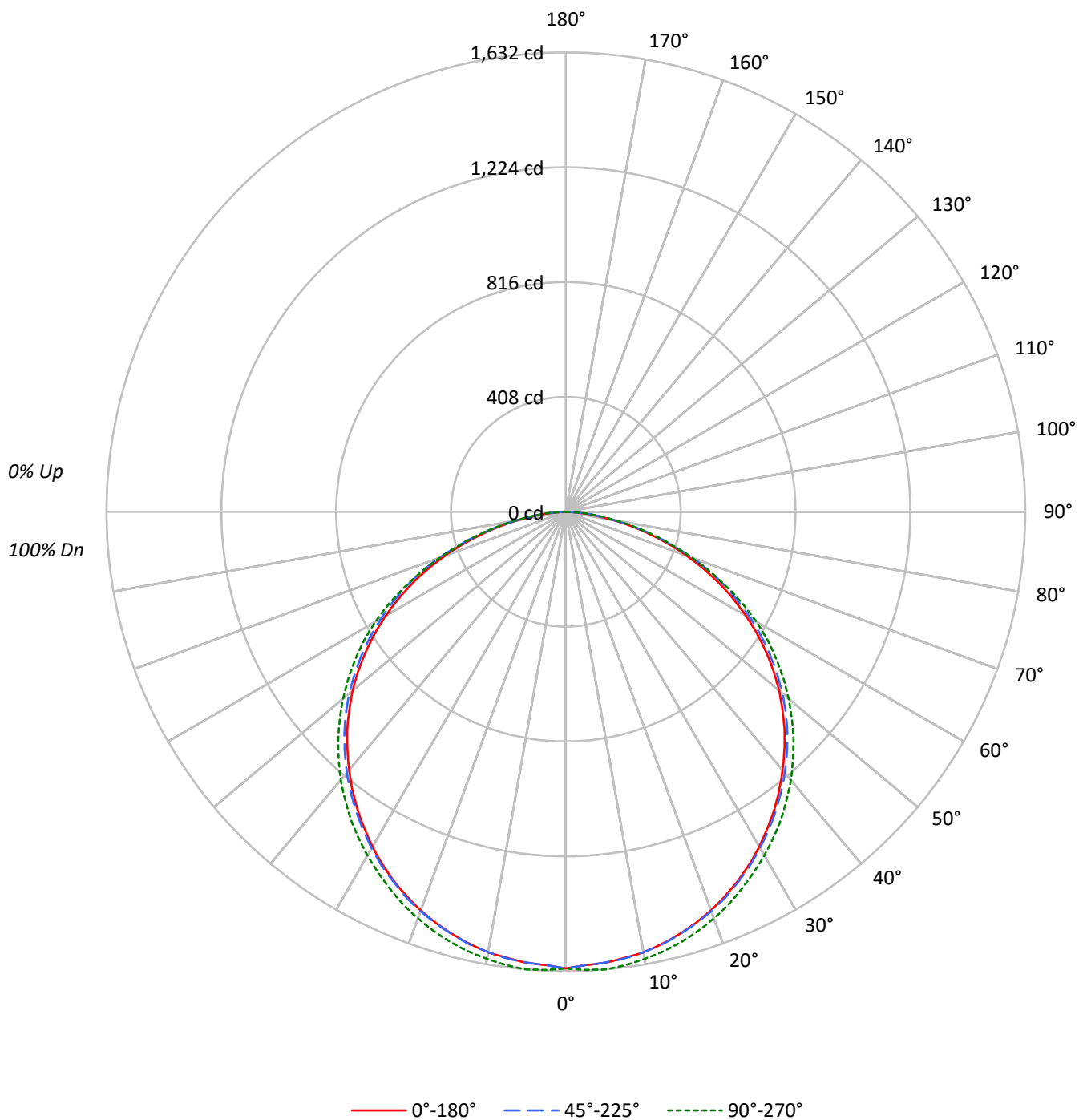
Lumens per Lamp: N/A
Luminaire Lumens: 4788.0 lumens
Efficiency: N/A
Efficacy: 129.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 36.9
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: P1585754

CATALOG NUMBER: 14CZSP-SB-52-L835-S

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	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°	5467	5467	5467
5°	5441	5438	5520
10°	5439	5436	5519
15°	5422	5427	5522
20°	5405	5416	5513
25°	5378	5392	5495
30°	5346	5369	5486
35°	5311	5344	5483
40°	5270	5324	5473
45°	5237	5303	5450
50°	5184	5265	5415
55°	5104	5199	5362
60°	4980	5109	5267
65°	4793	4974	5027
70°	4507	4717	4688
75°	4048	4219	4248
80°	3343	3514	3699
85°	2239	2610	2749

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5450 cd/sqm

TEST NUMBER: P1585754

CATALOG NUMBER: 14CZSP-SB-52-L835-S

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.8	3.2
10°-20°	442.0	9.2
20°-30°	673.1	14.1
30°-40°	819.2	17.1
40°-50°	863.6	18.0
50°-60°	795.4	16.6
60°-70°	614.3	12.8
70°-80°	343.8	7.2
80°-90°	82.9	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°	1268.9	26.5
0°-40°	2088.1	43.6
0°-60°	3747.1	78.3
0°-90°	4788.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4788.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1622	1622	1622	1622	1622	
5°	1608	1631	1608	1610	1632	153
15°	1554	1576	1556	1565	1583	439
25°	1446	1467	1450	1460	1478	667
35°	1291	1310	1299	1315	1333	808
45°	1099	1114	1113	1130	1144	847
55°	869	884	885	903	913	775
65°	601	619	624	630	630	594
75°	311	330	324	323	326	330
85°	58	64	68	76	71	74
90°	0	0	0	0	0	

TEST NUMBER: P1585754

CATALOG NUMBER: 14CZSP-SB-52-L835-S

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1622.5	1622.5	1622.5	1622.5	1622.5
2.5°	1612.2	1635.7	1612.2	1615.9	1629.1
5°	1608.5	1631.3	1607.8	1610.0	1632.0
7.5°	1599.0	1622.5	1600.5	1603.4	1624.7
10°	1589.5	1610.7	1588.8	1592.4	1612.9
12.5°	1573.4	1595.4	1574.8	1579.2	1599.7
15°	1554.3	1575.6	1555.8	1564.6	1582.9
17.5°	1532.3	1552.8	1533.8	1544.0	1561.6
20°	1507.4	1527.2	1510.3	1517.6	1537.4
22.5°	1478.0	1498.6	1482.4	1489.0	1510.3
25°	1446.5	1467.0	1450.2	1459.7	1478.0
27.5°	1412.1	1431.9	1417.2	1428.9	1445.1
30°	1373.9	1393.0	1379.8	1393.7	1409.9
32.5°	1332.9	1353.4	1340.2	1356.3	1372.5
35°	1291.1	1310.2	1299.2	1315.3	1332.9
37.5°	1245.6	1264.0	1255.9	1272.8	1288.9
40°	1198.0	1218.5	1210.4	1228.0	1244.2
42.5°	1148.9	1168.7	1162.1	1180.4	1194.3
45°	1099.0	1114.4	1112.9	1129.8	1143.7
47.5°	1044.0	1063.1	1060.1	1077.0	1089.5
50°	989.0	1004.4	1004.4	1020.6	1033.0
52.5°	929.6	945.0	945.0	964.1	974.4
55°	868.8	883.5	884.9	903.2	912.8
57.5°	804.3	819.7	822.6	840.9	849.7
60°	739.0	753.7	758.1	776.4	781.5
62.5°	670.8	688.4	690.6	705.3	708.2
65°	601.2	618.8	623.9	629.8	630.5
67.5°	530.1	548.4	553.5	553.5	553.5
70°	457.5	474.4	478.8	475.8	475.8
72.5°	384.2	402.5	400.3	397.4	398.8
75°	310.9	329.9	324.1	323.3	326.3
77.5°	240.5	258.8	249.3	255.1	255.9
80°	172.3	186.2	181.1	189.9	190.6
82.5°	110.7	119.5	121.0	128.3	126.1
85°	57.9	63.8	67.5	75.5	71.1
87.5°	18.3	24.2	22.0	25.7	19.8
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1585754

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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	18.30	19.91	20.22	18.15	19.81	18.52	20.12	20.44
	3H	19.76	21.26	20.13	21.58	21.94	19.95	21.45	20.33	21.78	22.14
	4H	20.40	21.82	20.80	22.16	22.54	20.59	22.00	20.99	22.35	22.73
	6H	20.83	22.14	21.24	22.51	22.90	21.04	22.35	21.45	22.72	23.11
	8H	20.94	22.19	21.37	22.58	22.98	21.18	22.43	21.60	22.82	23.21
	12H	21.00	22.19	21.42	22.58	23.00	21.25	22.45	21.68	22.83	23.26
4H	2H	18.62	20.03	19.01	20.38	20.75	18.79	20.20	19.18	20.54	20.92
	3H	20.66	21.84	21.07	22.24	22.64	20.80	21.98	21.21	22.38	22.78
	4H	21.44	22.51	21.87	22.92	23.36	21.56	22.63	21.99	23.04	23.48
	6H	21.99	22.92	22.44	23.36	23.82	22.13	23.07	22.58	23.51	23.96
	8H	22.13	23.01	22.59	23.45	23.92	22.31	23.18	22.77	23.63	24.09
	12H	22.22	23.00	22.70	23.48	23.95	22.42	23.21	22.90	23.68	24.15
8H	4H	21.74	22.62	22.20	23.06	23.53	21.85	22.73	22.31	23.17	23.64
	6H	22.40	23.13	22.90	23.62	24.09	22.53	23.26	23.03	23.75	24.22
	8H	22.61	23.26	23.12	23.77	24.25	22.77	23.43	23.28	23.93	24.42
	12H	22.74	23.32	23.25	23.81	24.37	22.95	23.53	23.46	24.02	24.58
12H	4H	21.78	22.56	22.25	23.04	23.51	21.88	22.67	22.36	23.14	23.61
	6H	22.45	23.10	22.96	23.61	24.09	22.58	23.23	23.08	23.74	24.22
	8H	22.71	23.28	23.21	23.77	24.33	22.87	23.44	23.37	23.93	24.49