

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: P1585715

Luminaire Tested: 14CZSP-SB-47-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585715
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-47-L835
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 4000 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

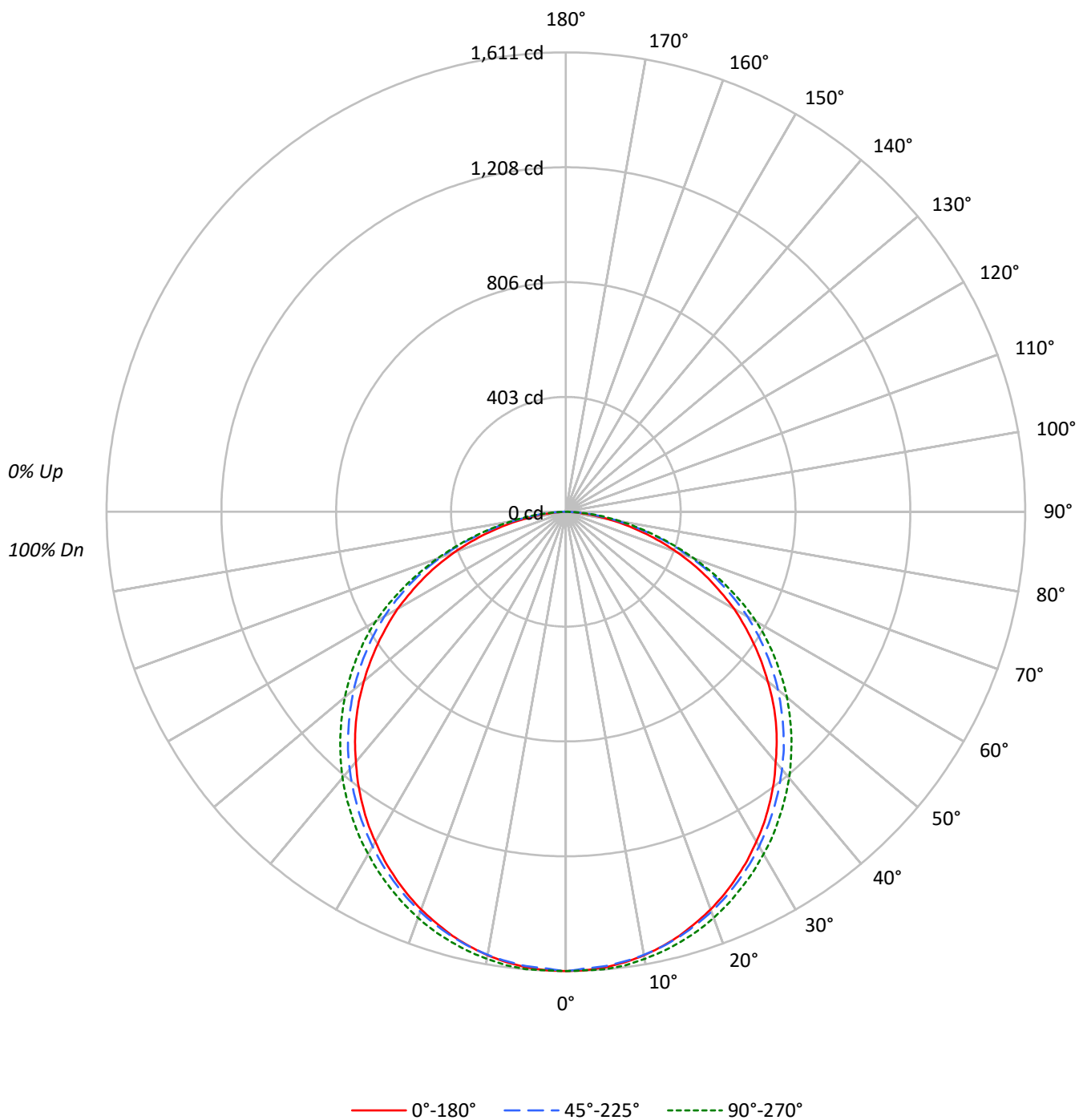
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4654.0 lumens
Efficiency: N/A
Efficacy: 141.9 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): 32.8
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: P1585715
CATALOG NUMBER: 14CZSP-SB-47-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°	5428	5428	5428
5°	5424	5410	5447
10°	5404	5400	5448
15°	5369	5381	5444
20°	5322	5354	5435
25°	5264	5314	5414
30°	5199	5274	5394
35°	5127	5231	5375
40°	5036	5187	5361
45°	4964	5140	5332
50°	4846	5092	5307
55°	4722	5025	5265
60°	4595	4951	5195
65°	4388	4821	4998
70°	4094	4604	4716
75°	3648	4171	4294
80°	2979	3617	3799
85°	1968	2876	3085

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5332 cd/sqm

TEST NUMBER: P1585715

CATALOG NUMBER: 14CZSP-SB-47-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.6	3.3
10°-20°	437.1	9.4
20°-30°	661.7	14.2
30°-40°	798.7	17.2
40°-50°	834.1	17.9
50°-60°	763.0	16.4
60°-70°	589.9	12.7
70°-80°	334.0	7.2
80°-90°	83.0	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°	1251.3	26.9
0°-40°	2050.0	44.0
0°-60°	3647.2	78.4
0°-90°	4654.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4654.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1611	1611	1611	1611	1611	
5°	1604	1615	1600	1601	1610	152
15°	1539	1553	1543	1550	1561	434
25°	1416	1434	1429	1443	1456	653
35°	1246	1264	1272	1293	1307	780
45°	1042	1062	1079	1106	1119	802
55°	804	828	855	882	896	719
65°	550	573	605	623	627	543
75°	280	304	320	328	330	297
85°	51	59	74	78	80	66
90°	0	0	0	0	0	

TEST NUMBER: P1585715

CATALOG NUMBER: 14CZSP-SB-47-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1610.9	1610.9	1610.9	1610.9	1610.9
2.5°	1608.9	1620.3	1602.9	1606.3	1609.6
5°	1603.6	1615.0	1599.5	1600.9	1610.3
7.5°	1593.5	1606.3	1590.2	1592.8	1604.2
10°	1579.4	1592.2	1578.1	1580.8	1592.2
12.5°	1561.3	1574.1	1562.0	1566.0	1578.8
15°	1539.2	1552.6	1542.6	1549.9	1560.7
17.5°	1512.4	1529.2	1518.4	1529.8	1540.6
20°	1484.2	1501.0	1493.0	1503.0	1515.8
22.5°	1452.1	1468.8	1462.8	1473.5	1487.6
25°	1415.9	1434.0	1429.3	1442.7	1456.1
27.5°	1378.3	1395.8	1394.4	1409.2	1423.2
30°	1336.1	1354.9	1355.5	1373.0	1386.4
32.5°	1293.9	1310.6	1314.6	1334.1	1349.5
35°	1246.3	1263.7	1271.7	1293.2	1306.6
37.5°	1198.0	1217.4	1226.1	1249.6	1263.7
40°	1145.0	1167.1	1179.2	1204.0	1218.8
42.5°	1094.7	1114.9	1130.9	1155.8	1169.2
45°	1041.8	1061.9	1078.7	1106.1	1118.9
47.5°	984.8	1006.9	1025.0	1051.8	1065.9
50°	924.5	948.6	971.4	997.5	1012.3
52.5°	864.8	888.3	914.4	939.9	954.6
55°	803.8	827.9	855.4	882.2	896.3
57.5°	742.1	766.3	796.4	820.6	835.3
60°	681.8	703.9	734.7	758.9	770.9
62.5°	613.4	638.9	670.4	694.5	701.2
65°	550.4	573.2	604.7	622.8	626.8
67.5°	483.4	506.1	537.7	547.7	553.7
70°	415.6	439.8	467.3	474.0	478.7
72.5°	347.3	372.1	393.5	400.2	404.2
75°	280.2	304.4	320.4	328.5	329.8
77.5°	215.2	237.3	252.1	261.5	261.5
80°	153.5	170.3	186.4	196.4	195.8
82.5°	97.9	110.6	127.4	134.7	139.4
85°	50.9	59.0	74.4	77.8	79.8
87.5°	16.1	20.8	26.8	22.1	21.5
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1585715
CATALOG NUMBER: 14CZSP-SB-47-L835

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	17.56	19.21	17.92	19.52	19.84	18.10	19.75	18.46	20.06	20.38
	3H	19.33	20.82	19.71	21.15	21.51	19.96	21.45	20.34	21.78	22.14
	4H	19.95	21.36	20.35	21.71	22.08	20.63	22.04	21.03	22.39	22.76
	6H	20.36	21.66	20.77	22.03	22.42	21.12	22.42	21.53	22.79	23.18
	8H	20.46	21.71	20.88	22.10	22.49	21.27	22.52	21.70	22.91	23.31
	12H	20.51	21.70	20.94	22.08	22.51	21.37	22.57	21.80	22.95	23.38
4H	2H	18.30	19.70	18.69	20.05	20.43	18.72	20.13	19.12	20.47	20.85
	3H	20.29	21.47	20.70	21.87	22.27	20.80	21.98	21.21	22.38	22.77
	4H	21.04	22.11	21.47	22.52	22.96	21.60	22.67	22.03	23.08	23.51
	6H	21.56	22.49	22.01	22.93	23.39	22.21	23.15	22.67	23.59	24.04
	8H	21.69	22.57	22.15	23.01	23.47	22.42	23.29	22.88	23.73	24.20
	12H	21.77	22.56	22.25	23.03	23.50	22.55	23.34	23.03	23.82	24.29
8H	4H	21.39	22.27	21.85	22.71	23.17	21.89	22.76	22.35	23.20	23.67
	6H	22.03	22.75	22.52	23.24	23.71	22.62	23.35	23.11	23.83	24.31
	8H	22.22	22.87	22.73	23.38	23.86	22.89	23.55	23.40	24.05	24.54
	12H	22.34	22.92	22.85	23.41	23.97	23.10	23.68	23.61	24.17	24.73
12H	4H	21.43	22.22	21.91	22.70	23.16	21.91	22.70	22.39	23.17	23.64
	6H	22.09	22.74	22.60	23.25	23.73	22.66	23.32	23.17	23.82	24.31
	8H	22.34	22.92	22.85	23.41	23.97	22.99	23.57	23.50	24.06	24.62