

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: P1585731

Luminaire Tested: 14CZSP-SB-47-L950

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585731
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-L950
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 4000 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

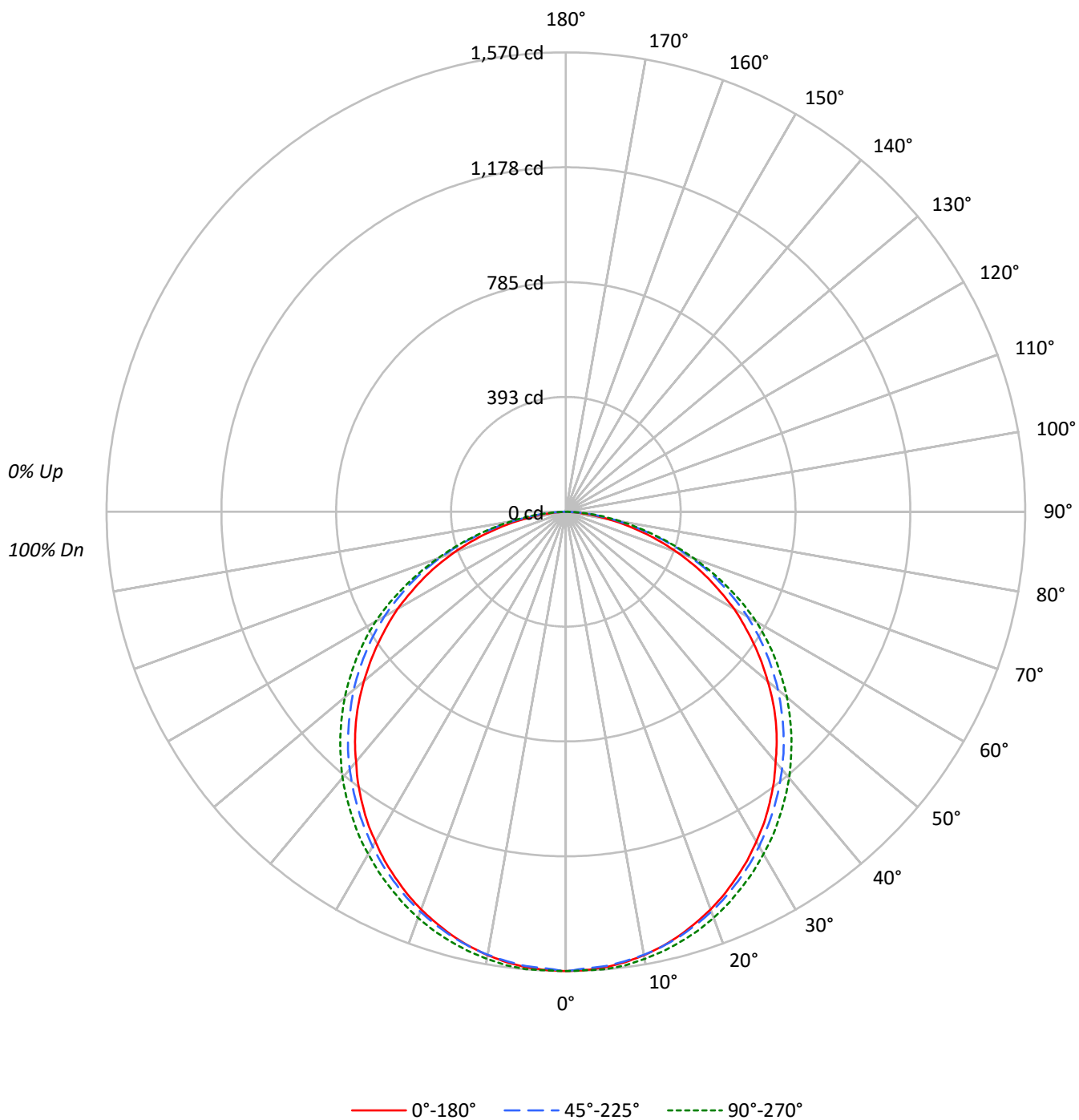
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4535.0 lumens
Efficiency: N/A
Efficacy: 138.3 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: P1585731
CATALOG NUMBER: 14CZSP-SB-47-L950

Luminous Intensity Polar Plot



TEST NUMBER: P1585731

CATALOG NUMBER: 14CZSP-SB-47-L950

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°	5290	5290	5290
5°	5285	5272	5307
10°	5266	5261	5309
15°	5232	5243	5305
20°	5186	5217	5296
25°	5130	5178	5275
30°	5066	5139	5256
35°	4995	5097	5237
40°	4908	5055	5224
45°	4837	5009	5196
50°	4722	4962	5171
55°	4601	4897	5131
60°	4477	4825	5062
65°	4276	4698	4870
70°	3990	4486	4595
75°	3556	4066	4184
80°	2903	3524	3700
85°	1918	2803	3004

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5196 cd/sqm

TEST NUMBER: P1585731

CATALOG NUMBER: 14CZSP-SB-47-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.7	3.3
10°-20°	425.9	9.4
20°-30°	644.8	14.2
30°-40°	778.3	17.2
40°-50°	812.8	17.9
50°-60°	743.5	16.4
60°-70°	574.8	12.7
70°-80°	325.4	7.2
80°-90°	80.8	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°	1219.3	26.9
0°-40°	1997.6	44.0
0°-60°	3553.9	78.4
0°-90°	4535.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4535.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1570	1570	1570	1570	1570	
5°	1563	1574	1559	1560	1569	148
15°	1500	1513	1503	1510	1521	423
25°	1380	1397	1393	1406	1419	636
35°	1214	1231	1239	1260	1273	760
45°	1015	1035	1051	1078	1090	782
55°	783	807	834	860	873	700
65°	536	558	589	607	611	529
75°	273	297	312	320	321	290
85°	50	58	72	76	78	64
90°	0	0	0	0	0	

TEST NUMBER: P1585731

CATALOG NUMBER: 14CZSP-SB-47-L950

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1569.8	1569.8	1569.8	1569.8	1569.8
2.5°	1567.8	1578.9	1561.9	1565.2	1568.4
5°	1562.6	1573.7	1558.7	1560.0	1569.1
7.5°	1552.8	1565.2	1549.5	1552.1	1563.2
10°	1539.1	1551.5	1537.7	1540.4	1551.5
12.5°	1521.4	1533.8	1522.1	1526.0	1538.4
15°	1499.9	1512.9	1503.1	1510.3	1520.8
17.5°	1473.7	1490.1	1479.6	1490.7	1501.2
20°	1446.3	1462.6	1454.8	1464.6	1477.0
22.5°	1414.9	1431.3	1425.4	1435.8	1449.6
25°	1379.7	1397.3	1392.7	1405.8	1418.9
27.5°	1343.1	1360.1	1358.8	1373.1	1386.8
30°	1301.9	1320.2	1320.9	1337.9	1350.9
32.5°	1260.8	1277.1	1281.0	1300.0	1315.0
35°	1214.4	1231.4	1239.2	1260.1	1273.2
37.5°	1167.4	1186.3	1194.8	1217.7	1231.4
40°	1115.7	1137.3	1149.1	1173.2	1187.6
42.5°	1066.8	1086.4	1102.0	1126.2	1139.3
45°	1015.1	1034.7	1051.1	1077.9	1090.3
47.5°	959.6	981.2	998.8	1024.9	1038.7
50°	900.8	924.3	946.6	972.0	986.4
52.5°	842.7	865.6	891.0	915.9	930.2
55°	783.2	806.8	833.5	859.7	873.4
57.5°	723.1	746.7	776.1	799.6	813.9
60°	664.4	685.9	716.0	739.5	751.2
62.5°	597.7	622.5	653.2	676.8	683.3
65°	536.3	558.5	589.2	606.9	610.8
67.5°	471.0	493.2	523.9	533.7	539.6
70°	405.0	428.5	455.3	461.8	466.4
72.5°	338.4	362.6	383.5	390.0	393.9
75°	273.1	296.6	312.3	320.1	321.4
77.5°	209.7	231.2	245.6	254.8	254.8
80°	149.6	165.9	181.6	191.4	190.7
82.5°	95.4	107.8	124.1	131.3	135.9
85°	49.6	57.5	72.5	75.8	77.7
87.5°	15.7	20.3	26.1	21.6	20.9
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1585731
CATALOG NUMBER: 14CZSP-SB-47-L950

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	17.47	19.12	17.83	19.43	19.75	18.01	19.66	18.37	19.97	20.29
	3H	19.24	20.73	19.62	21.06	21.42	19.87	21.36	20.24	21.69	22.05
	4H	19.86	21.27	20.26	21.62	21.99	20.54	21.95	20.94	22.30	22.67
	6H	20.27	21.57	20.68	21.94	22.33	21.03	22.33	21.44	22.70	23.09
	8H	20.37	21.62	20.79	22.01	22.40	21.18	22.43	21.61	22.82	23.22
	12H	20.42	21.61	20.85	21.99	22.42	21.28	22.48	21.71	22.86	23.29
4H	2H	18.21	19.61	18.60	19.96	20.34	18.63	20.04	19.03	20.38	20.76
	3H	20.20	21.38	20.61	21.78	22.18	20.71	21.89	21.12	22.28	22.68
	4H	20.95	22.02	21.38	22.43	22.87	21.51	22.58	21.94	22.99	23.42
	6H	21.47	22.40	21.92	22.84	23.30	22.12	23.06	22.58	23.50	23.95
	8H	21.60	22.48	22.06	22.92	23.38	22.33	23.20	22.78	23.64	24.11
	12H	21.68	22.47	22.16	22.94	23.41	22.46	23.25	22.94	23.73	24.20
8H	4H	21.30	22.18	21.76	22.62	23.08	21.80	22.67	22.26	23.11	23.58
	6H	21.94	22.66	22.43	23.15	23.62	22.53	23.26	23.02	23.74	24.22
	8H	22.13	22.78	22.64	23.29	23.77	22.80	23.46	23.31	23.96	24.45
	12H	22.25	22.83	22.76	23.32	23.88	23.01	23.59	23.52	24.08	24.64
12H	4H	21.34	22.13	21.82	22.61	23.07	21.82	22.61	22.30	23.08	23.55
	6H	22.00	22.65	22.51	23.16	23.64	22.57	23.23	23.08	23.73	24.22
	8H	22.25	22.83	22.75	23.32	23.88	22.90	23.48	23.41	23.97	24.53