

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: P1585730

Luminaire Tested: 14CZSP-SB-47-L950-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585730
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-47-L950-S
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 4000 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

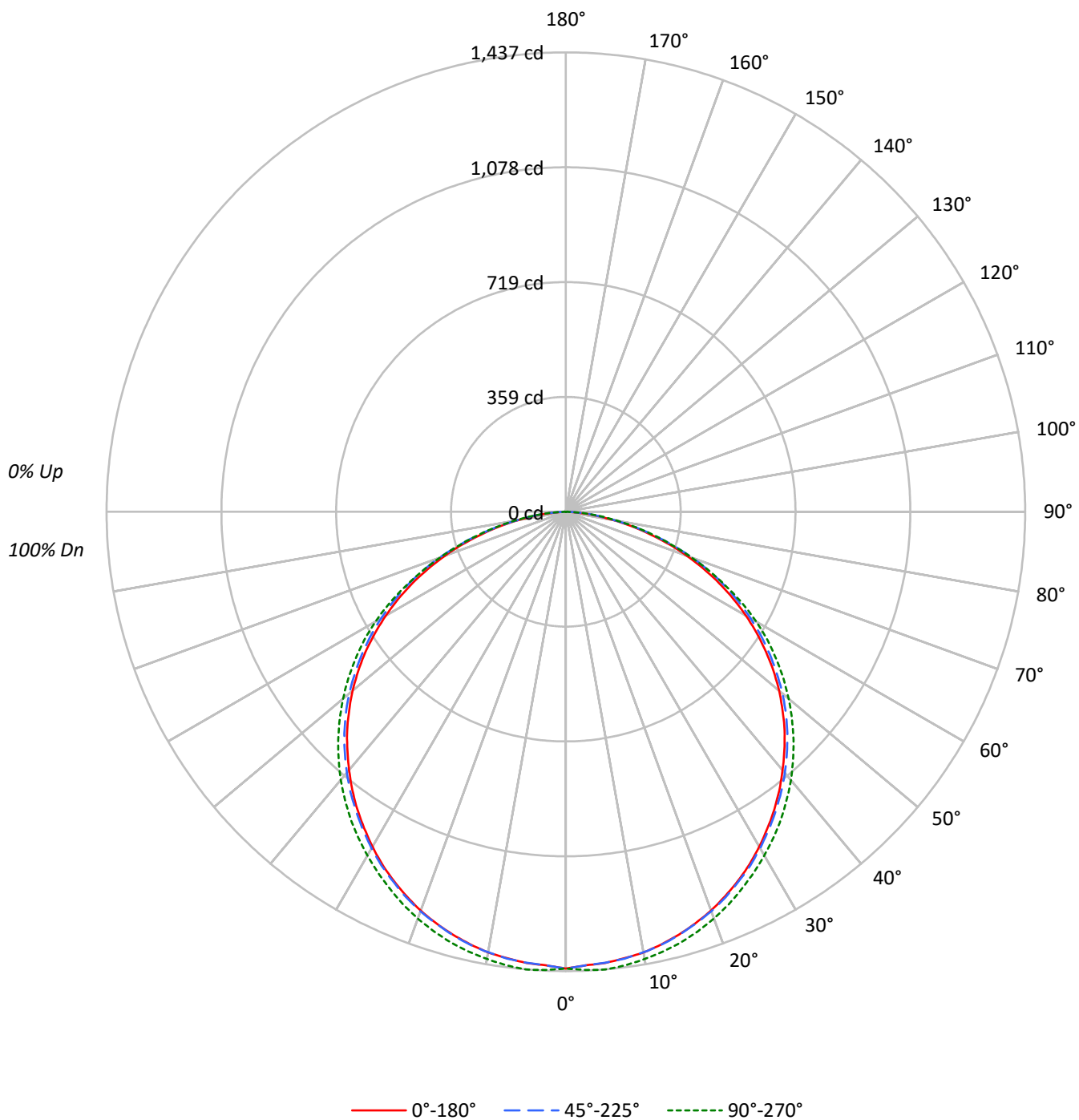
Lumens per Lamp: N/A
Luminaire Lumens: 4217.0 lumens
Efficiency: N/A
Efficacy: 128.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1585730

CATALOG NUMBER: 14CZSP-SB-47-L950-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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	104	99	96	106	102	98	94	97	94	91		93	91	88		90	88	86	84
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61	56	52	49
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55	49	45	43
6	70	56	47	40	68	55	46	40	53	46	40		52	45	40		50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42	36	31	29
9	56	42	34	28	55	42	34	28	41	33	28		40	33	28		39	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4815	4815	4815
5°	4792	4790	4862
10°	4790	4788	4861
15°	4775	4780	4863
20°	4761	4770	4856
25°	4737	4749	4840
30°	4708	4729	4831
35°	4677	4707	4829
40°	4641	4689	4820
45°	4612	4671	4800
50°	4566	4637	4769
55°	4495	4579	4723
60°	4387	4500	4639
65°	4222	4381	4427
70°	3969	4155	4129
75°	3565	3716	3740
80°	2944	3095	3258
85°	1972	2296	2420

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4800 cd/sqm

TEST NUMBER: P1585730

CATALOG NUMBER: 14CZSP-SB-47-L950-S

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.4	3.2
10°-20°	389.3	9.2
20°-30°	592.8	14.1
30°-40°	721.5	17.1
40°-50°	760.6	18.0
50°-60°	700.5	16.6
60°-70°	541.1	12.8
70°-80°	302.8	7.2
80°-90°	73.0	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°	1117.6	26.5
0°-40°	1839.0	43.6
0°-60°	3300.2	78.3
0°-90°	4217.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4217.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1429	1429	1429	1429	1429	
5°	1417	1437	1416	1418	1437	135
15°	1369	1388	1370	1378	1394	386
25°	1274	1292	1277	1286	1302	587
35°	1137	1154	1144	1158	1174	711
45°	968	982	980	995	1007	746
55°	765	778	779	796	804	683
65°	530	545	550	555	555	523
75°	274	291	285	285	287	290
85°	51	56	59	66	63	65
90°	0	0	0	0	0	

TEST NUMBER: P1585730

CATALOG NUMBER: 14CZSP-SB-47-L950-S

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1429.0	1429.0	1429.0	1429.0	1429.0
2.5°	1419.9	1440.6	1419.9	1423.2	1434.8
5°	1416.7	1436.7	1416.1	1418.0	1437.4
7.5°	1408.3	1429.0	1409.6	1412.2	1430.9
10°	1399.9	1418.7	1399.3	1402.5	1420.6
12.5°	1385.7	1405.1	1387.0	1390.9	1409.0
15°	1368.9	1387.7	1370.2	1378.0	1394.1
17.5°	1349.6	1367.6	1350.9	1359.9	1375.4
20°	1327.6	1345.0	1330.2	1336.6	1354.1
22.5°	1301.8	1319.9	1305.7	1311.5	1330.2
25°	1274.0	1292.1	1277.2	1285.6	1301.8
27.5°	1243.7	1261.1	1248.2	1258.5	1272.7
30°	1210.1	1226.9	1215.3	1227.5	1241.7
32.5°	1173.9	1192.0	1180.4	1194.6	1208.8
35°	1137.1	1153.9	1144.2	1158.4	1173.9
37.5°	1097.1	1113.2	1106.1	1121.0	1135.2
40°	1055.1	1073.2	1066.1	1081.6	1095.8
42.5°	1011.8	1029.3	1023.5	1039.6	1051.9
45°	967.9	981.5	980.2	995.1	1007.3
47.5°	919.5	936.3	933.7	948.6	959.5
50°	871.1	884.6	884.6	898.8	909.8
52.5°	818.8	832.3	832.3	849.1	858.2
55°	765.2	778.1	779.4	795.5	803.9
57.5°	708.4	721.9	724.5	740.6	748.4
60°	650.9	663.8	667.7	683.8	688.3
62.5°	590.8	606.3	608.3	621.2	623.8
65°	529.5	545.0	549.5	554.7	555.3
67.5°	466.9	483.0	487.5	487.5	487.5
70°	402.9	417.8	421.7	419.1	419.1
72.5°	338.4	354.5	352.6	350.0	351.3
75°	273.8	290.6	285.4	284.8	287.3
77.5°	211.8	227.9	219.5	224.7	225.4
80°	151.7	164.0	159.5	167.2	167.9
82.5°	97.5	105.3	106.5	113.0	111.1
85°	51.0	56.2	59.4	66.5	62.6
87.5°	16.1	21.3	19.4	22.6	17.4
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1585730

CATALOG NUMBER: 14CZSP-SB-47-L950-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	17.50	19.15	17.86	19.47	19.78	17.71	19.37	18.08	19.68	20.00
	3H	19.32	20.82	19.69	21.14	21.50	19.51	21.01	19.89	21.34	21.70
	4H	19.96	21.38	20.36	21.72	22.10	20.15	21.56	20.55	21.91	22.28
	6H	20.39	21.70	20.80	22.06	22.46	20.60	21.91	21.01	22.28	22.67
	8H	20.50	21.75	20.92	22.14	22.54	20.73	21.99	21.16	22.37	22.77
	12H	20.55	21.75	20.98	22.13	22.56	20.81	22.01	21.24	22.39	22.82
4H	2H	18.17	19.59	18.57	19.93	20.31	18.34	19.76	18.74	20.10	20.48
	3H	20.22	21.40	20.62	21.80	22.20	20.36	21.54	20.77	21.94	22.34
	4H	21.00	22.07	21.43	22.48	22.92	21.12	22.19	21.55	22.60	23.04
	6H	21.55	22.48	22.00	22.92	23.38	21.69	22.63	22.14	23.07	23.52
	8H	21.69	22.57	22.15	23.01	23.47	21.87	22.74	22.32	23.18	23.65
	12H	21.77	22.56	22.25	23.04	23.51	21.98	22.77	22.46	23.24	23.71
8H	4H	21.30	22.18	21.76	22.62	23.09	21.41	22.29	21.87	22.73	23.19
	6H	21.96	22.69	22.45	23.18	23.65	22.09	22.82	22.59	23.31	23.78
	8H	22.17	22.82	22.68	23.33	23.81	22.33	22.99	22.84	23.49	23.98
	12H	22.30	22.88	22.81	23.37	23.93	22.51	23.09	23.01	23.58	24.14
12H	4H	21.33	22.12	21.81	22.60	23.07	21.44	22.23	21.92	22.70	23.17
	6H	22.01	22.66	22.52	23.17	23.65	22.13	22.79	22.64	23.29	23.78
	8H	22.26	22.84	22.77	23.33	23.89	22.42	23.00	22.93	23.49	24.05