

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: P1585722

Luminaire Tested: 14CZSP-SB-47-L930-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585722
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-L930-S
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 4000 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

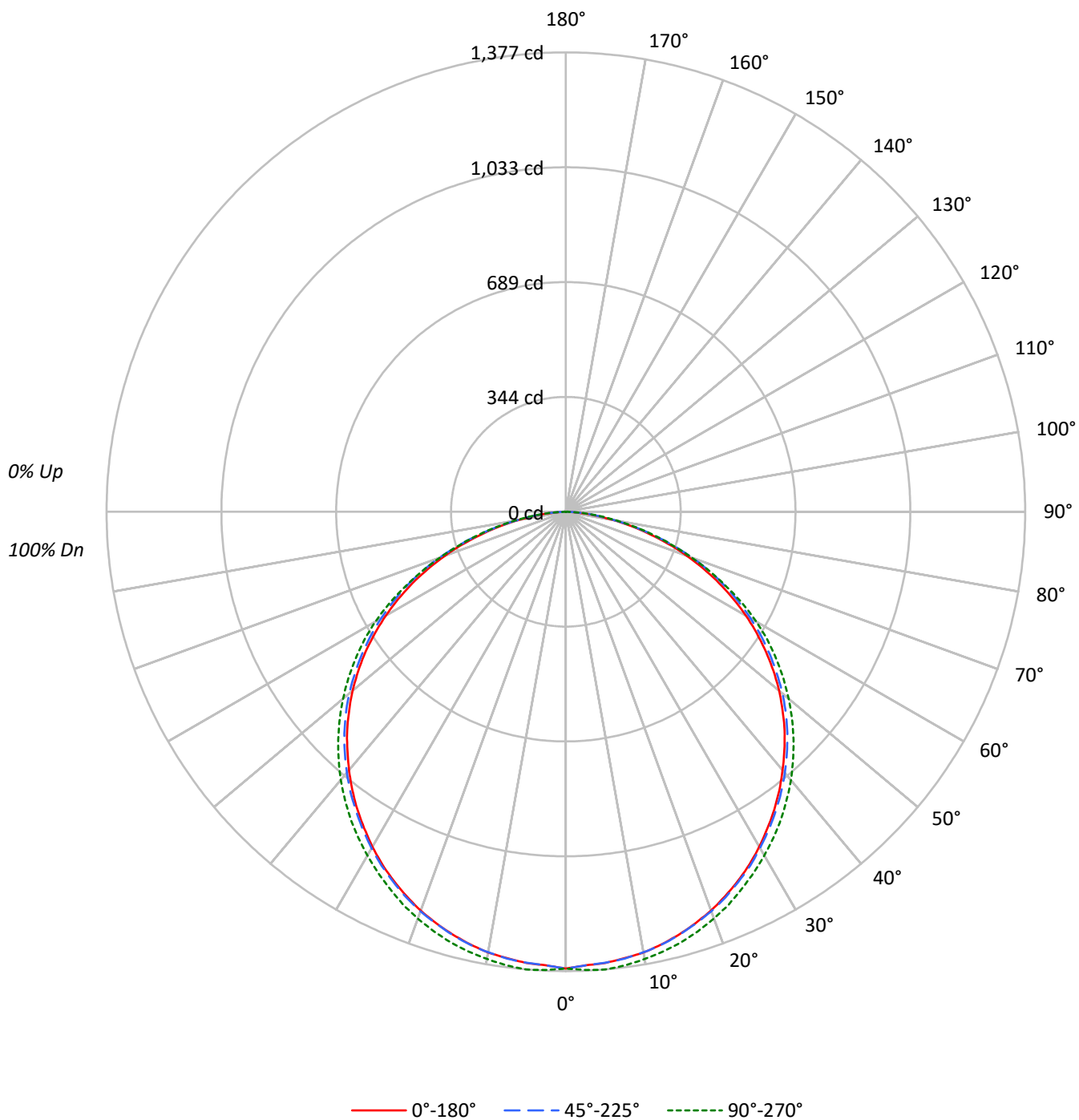
Lumens per Lamp: N/A
Luminaire Lumens: 4041.0 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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: P1585722

CATALOG NUMBER: 14CZSP-SB-47-L930-S

Luminous Intensity Polar Plot



TEST NUMBER: P1585722

CATALOG NUMBER: 14CZSP-SB-47-L930-S

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°	4614	4614	4614
5°	4592	4590	4659
10°	4590	4588	4658
15°	4576	4580	4660
20°	4562	4571	4653
25°	4539	4550	4638
30°	4512	4531	4630
35°	4482	4510	4627
40°	4447	4494	4619
45°	4420	4476	4600
50°	4376	4444	4571
55°	4307	4388	4526
60°	4203	4312	4445
65°	4046	4199	4242
70°	3804	3981	3957
75°	3416	3561	3585
80°	2821	2965	3122
85°	1891	2200	2320

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4600 cd/sqm

TEST NUMBER: P1585722

CATALOG NUMBER: 14CZSP-SB-47-L930-S

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.8	3.2
10°-20°	373.1	9.2
20°-30°	568.1	14.1
30°-40°	691.4	17.1
40°-50°	728.9	18.0
50°-60°	671.3	16.6
60°-70°	518.5	12.8
70°-80°	290.1	7.2
80°-90°	69.9	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°	1070.9	26.5
0°-40°	1762.3	43.6
0°-60°	3162.5	78.3
0°-90°	4041.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4041.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1369	1369	1369	1369	1369	
5°	1358	1377	1357	1359	1377	129
15°	1312	1330	1313	1320	1336	370
25°	1221	1238	1224	1232	1247	563
35°	1090	1106	1096	1110	1125	682
45°	928	940	939	954	965	715
55°	733	746	747	762	770	654
65°	507	522	527	532	532	501
75°	262	278	274	273	275	278
85°	49	54	57	64	60	63
90°	0	0	0	0	0	

TEST NUMBER: P1585722

CATALOG NUMBER: 14CZSP-SB-47-L930-S

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1369.3	1369.3	1369.3	1369.3	1369.3
2.5°	1360.7	1380.5	1360.7	1363.8	1374.9
5°	1357.6	1376.8	1357.0	1358.8	1377.4
7.5°	1349.5	1369.3	1350.8	1353.3	1371.2
10°	1341.5	1359.4	1340.9	1344.0	1361.3
12.5°	1327.9	1346.5	1329.1	1332.8	1350.2
15°	1311.8	1329.7	1313.0	1320.5	1335.9
17.5°	1293.2	1310.6	1294.5	1303.1	1318.0
20°	1272.2	1288.9	1274.7	1280.9	1297.6
22.5°	1247.4	1264.8	1251.2	1256.7	1274.7
25°	1220.8	1238.2	1223.9	1232.0	1247.4
27.5°	1191.8	1208.5	1196.1	1206.0	1219.6
30°	1159.6	1175.7	1164.5	1176.3	1189.9
32.5°	1124.9	1142.3	1131.1	1144.7	1158.3
35°	1089.7	1105.7	1096.5	1110.1	1124.9
37.5°	1051.3	1066.8	1060.0	1074.2	1087.8
40°	1011.1	1028.4	1021.6	1036.4	1050.1
42.5°	969.6	986.3	980.8	996.2	1008.0
45°	927.5	940.5	939.3	953.5	965.3
47.5°	881.1	897.2	894.7	909.0	919.5
50°	834.7	847.7	847.7	861.3	871.9
52.5°	784.6	797.6	797.6	813.7	822.4
55°	733.2	745.6	746.9	762.3	770.4
57.5°	678.8	691.8	694.3	709.7	717.2
60°	623.7	636.1	639.8	655.3	659.6
62.5°	566.2	581.0	582.9	595.3	597.7
65°	507.4	522.2	526.6	531.5	532.1
67.5°	447.4	462.8	467.2	467.2	467.2
70°	386.1	400.3	404.1	401.6	401.6
72.5°	324.2	339.7	337.9	335.4	336.6
75°	262.4	278.4	273.5	272.9	275.4
77.5°	203.0	218.4	210.4	215.3	216.0
80°	145.4	157.2	152.8	160.3	160.9
82.5°	93.4	100.9	102.1	108.3	106.4
85°	48.9	53.8	56.9	63.7	60.0
87.5°	15.5	20.4	18.6	21.7	16.7
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1585722

CATALOG NUMBER: 14CZSP-SB-47-L930-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	17.35	19.00	17.71	19.32	19.63	17.56	19.22	17.93	19.53	19.85
	3H	19.17	20.67	19.55	20.99	21.35	19.36	20.86	19.74	21.19	21.55
	4H	19.81	21.23	20.21	21.57	21.95	20.00	21.41	20.40	21.76	22.14
	6H	20.24	21.55	20.65	21.92	22.31	20.46	21.76	20.87	22.13	22.52
	8H	20.35	21.60	20.78	21.99	22.39	20.59	21.84	21.01	22.23	22.63
	12H	20.41	21.61	20.83	21.99	22.41	20.66	21.86	21.09	22.24	22.67
4H	2H	18.03	19.44	18.42	19.79	20.16	18.20	19.61	18.59	19.96	20.33
	3H	20.07	21.25	20.48	21.65	22.05	20.21	21.40	20.62	21.79	22.19
	4H	20.85	21.92	21.28	22.33	22.77	20.97	22.04	21.40	22.45	22.89
	6H	21.40	22.33	21.85	22.77	23.23	21.54	22.48	22.00	22.92	23.38
	8H	21.54	22.42	22.00	22.86	23.33	21.72	22.59	22.18	23.04	23.50
	12H	21.63	22.42	22.11	22.89	23.36	21.83	22.62	22.31	23.09	23.56
8H	4H	21.15	22.03	21.61	22.47	22.94	21.26	22.14	21.72	22.58	23.05
	6H	21.81	22.54	22.31	23.03	23.51	21.94	22.67	22.44	23.16	23.64
	8H	22.02	22.67	22.53	23.18	23.66	22.18	22.84	22.69	23.34	23.83
	12H	22.15	22.73	22.66	23.22	23.78	22.36	22.94	22.87	23.43	23.99
12H	4H	21.19	21.97	21.66	22.45	22.92	21.29	22.08	21.77	22.55	23.02
	6H	21.86	22.51	22.37	23.02	23.51	21.99	22.64	22.49	23.15	23.63
	8H	22.12	22.69	22.62	23.18	23.74	22.28	22.85	22.78	23.34	23.90