

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: P1585723

Luminaire Tested: 14CZSP-SB-47-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585723
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-L930
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 4000 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

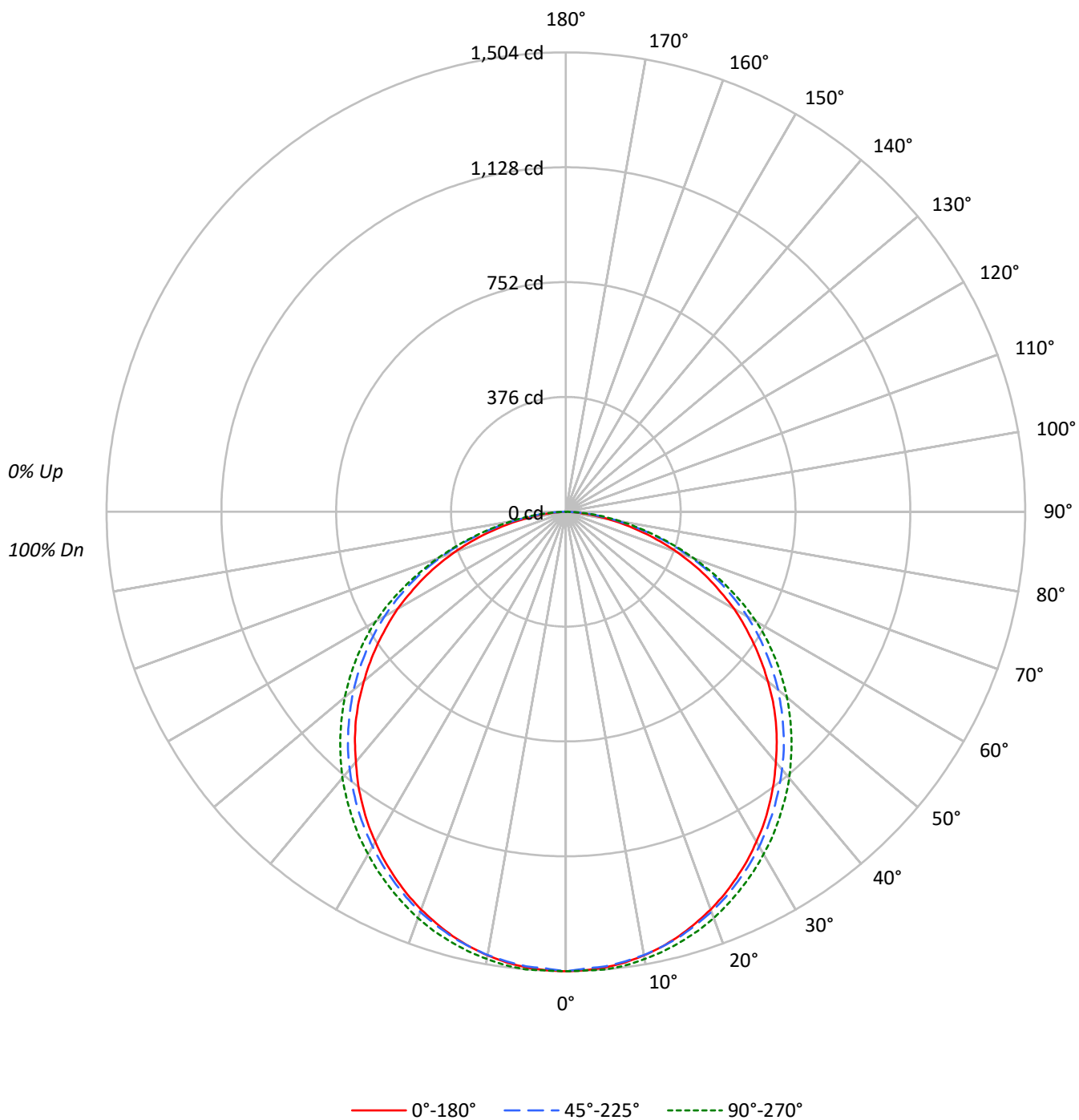
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4346.0 lumens
Efficiency: N/A
Efficacy: 132.5 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: P1585723
CATALOG NUMBER: 14CZSP-SB-47-L930

Luminous Intensity Polar Plot



TEST NUMBER: P1585723

CATALOG NUMBER: 14CZSP-SB-47-L930

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	100	96	106	102	98	94	97	94	91		93	91	88		90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75		82	77	73		79	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46		57	51	45		55	50	45	43
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	35		47	40	35		46	40	35	33
8	60	46	38	32	58	46	38	32	44	37	32		43	36	31		42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28		40	33	28		39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5069	5069	5069
5°	5065	5052	5086
10°	5046	5042	5087
15°	5014	5025	5084
20°	4970	4999	5075
25°	4916	4962	5055
30°	4855	4925	5037
35°	4787	4885	5019
40°	4703	4844	5006
45°	4636	4800	4979
50°	4526	4755	4955
55°	4410	4693	4917
60°	4291	4624	4852
65°	4098	4502	4667
70°	3824	4298	4404
75°	3407	3895	4010
80°	2783	3376	3547
85°	1840	2687	2880

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4979 cd/sqm

TEST NUMBER: P1585723

CATALOG NUMBER: 14CZSP-SB-47-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.5	3.3
10°-20°	408.1	9.4
20°-30°	617.9	14.2
30°-40°	745.9	17.2
40°-50°	778.9	17.9
50°-60°	712.5	16.4
60°-70°	550.9	12.7
70°-80°	311.8	7.2
80°-90°	77.5	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°	1168.5	26.9
0°-40°	1914.4	44.0
0°-60°	3405.8	78.4
0°-90°	4346.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4346.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1504	1504	1504	1504	1504	
5°	1497	1508	1494	1495	1504	142
15°	1437	1450	1440	1447	1457	405
25°	1322	1339	1335	1347	1360	609
35°	1164	1180	1188	1208	1220	728
45°	973	992	1007	1033	1045	749
55°	751	773	799	824	837	671
65°	514	535	565	582	585	507
75°	262	284	299	307	308	277
85°	48	55	70	73	74	61
90°	0	0	0	0	0	

TEST NUMBER: P1585723

CATALOG NUMBER: 14CZSP-SB-47-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1504.3	1504.3	1504.3	1504.3	1504.3
2.5°	1502.5	1513.1	1496.8	1500.0	1503.1
5°	1497.4	1508.1	1493.7	1494.9	1503.7
7.5°	1488.1	1500.0	1484.9	1487.4	1498.1
10°	1474.9	1486.8	1473.7	1476.2	1486.8
12.5°	1458.0	1469.9	1458.6	1462.4	1474.3
15°	1437.4	1449.9	1440.5	1447.4	1457.4
17.5°	1412.3	1428.0	1417.9	1428.6	1438.6
20°	1386.0	1401.7	1394.2	1403.5	1415.4
22.5°	1356.0	1371.6	1366.0	1376.0	1389.1
25°	1322.2	1339.1	1334.7	1347.2	1359.7
27.5°	1287.1	1303.4	1302.1	1315.9	1329.0
30°	1247.7	1265.2	1265.8	1282.1	1294.6
32.5°	1208.2	1223.9	1227.6	1245.8	1260.2
35°	1163.8	1180.1	1187.6	1207.6	1220.1
37.5°	1118.7	1136.9	1145.0	1166.9	1180.1
40°	1069.2	1089.9	1101.2	1124.3	1138.1
42.5°	1022.3	1041.1	1056.1	1079.3	1091.8
45°	972.8	991.6	1007.3	1032.9	1044.8
47.5°	919.6	940.3	957.2	982.2	995.4
50°	863.3	885.8	907.1	931.5	945.3
52.5°	807.6	829.5	853.9	877.7	891.5
55°	750.6	773.1	798.8	823.8	837.0
57.5°	693.0	715.5	743.7	766.3	780.0
60°	636.7	657.3	686.1	708.7	719.9
62.5°	572.8	596.6	626.0	648.6	654.8
65°	514.0	535.3	564.7	581.6	585.3
67.5°	451.4	472.6	502.1	511.5	517.1
70°	388.1	410.7	436.3	442.6	447.0
72.5°	324.3	347.4	367.5	373.7	377.5
75°	261.7	284.2	299.2	306.8	308.0
77.5°	201.0	221.6	235.4	244.1	244.1
80°	143.4	159.0	174.0	183.4	182.8
82.5°	91.4	103.3	118.9	125.8	130.2
85°	47.6	55.1	69.5	72.6	74.5
87.5°	15.0	19.4	25.0	20.7	20.0
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1585723

CATALOG NUMBER: 14CZSP-SB-47-L930

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	17.32	18.97	17.68	19.28	19.60	17.86	19.51	18.23	19.83	20.14
	3H	19.09	20.59	19.47	20.91	21.27	19.72	21.21	20.10	21.54	21.90
	4H	19.72	21.12	20.11	21.47	21.85	20.39	21.80	20.79	22.15	22.52
	6H	20.12	21.43	20.53	21.79	22.18	20.88	22.18	21.29	22.55	22.94
	8H	20.22	21.47	20.65	21.86	22.26	21.03	22.28	21.46	22.67	23.07
	12H	20.27	21.47	20.70	21.85	22.28	21.13	22.33	21.56	22.71	23.14
4H	2H	18.06	19.47	18.46	19.81	20.19	18.48	19.89	18.88	20.24	20.61
	3H	20.05	21.23	20.46	21.63	22.03	20.56	21.74	20.97	22.14	22.54
	4H	20.80	21.87	21.23	22.28	22.72	21.36	22.43	21.79	22.84	23.28
	6H	21.32	22.25	21.77	22.69	23.15	21.97	22.91	22.43	23.35	23.80
	8H	21.45	22.33	21.91	22.77	23.24	22.18	23.05	22.64	23.49	23.96
	12H	21.53	22.32	22.01	22.79	23.26	22.32	23.10	22.80	23.58	24.05
8H	4H	21.15	22.03	21.61	22.47	22.94	21.65	22.52	22.11	22.97	23.43
	6H	21.79	22.51	22.28	23.00	23.48	22.38	23.11	22.87	23.60	24.07
	8H	21.98	22.63	22.49	23.14	23.62	22.65	23.31	23.16	23.81	24.30
	12H	22.11	22.68	22.61	23.17	23.73	22.86	23.44	23.37	23.93	24.49
12H	4H	21.20	21.98	21.68	22.46	22.93	21.67	22.46	22.15	22.94	23.40
	6H	21.85	22.51	22.36	23.01	23.50	22.42	23.08	22.93	23.58	24.07
	8H	22.10	22.68	22.61	23.17	23.73	22.75	23.33	23.26	23.82	24.38