

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: P1585725

Luminaire Tested: 14CZSP-SB-47-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585725
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-L935
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 4000 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

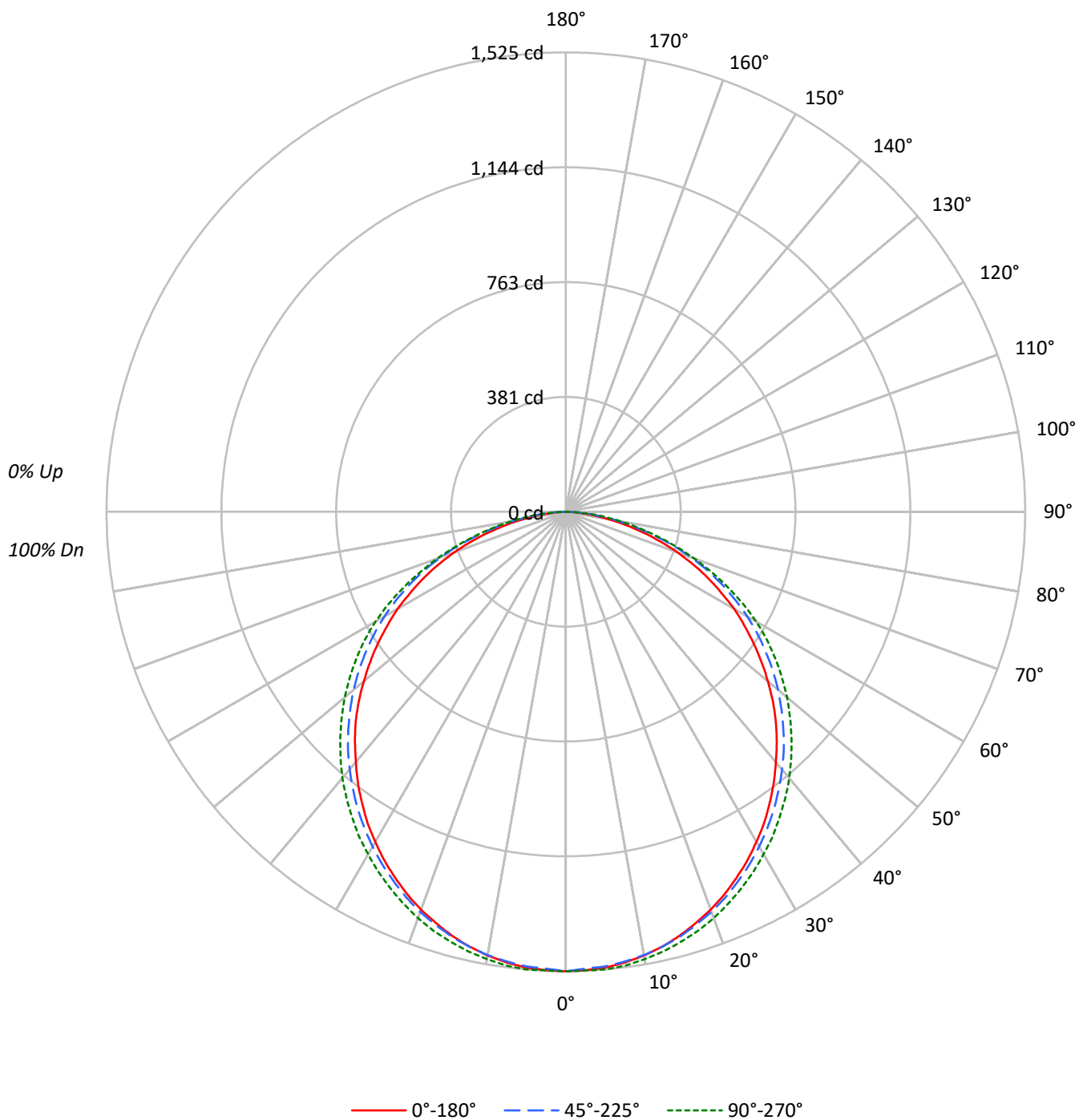
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4407.0 lumens
Efficiency: N/A
Efficacy: 134.4 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

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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°	5140	5140	5140
5°	5136	5123	5158
10°	5117	5113	5159
15°	5084	5096	5155
20°	5040	5069	5147
25°	4985	5032	5126
30°	4923	4994	5108
35°	4854	4953	5089
40°	4769	4912	5077
45°	4701	4867	5049
50°	4589	4822	5025
55°	4471	4758	4986
60°	4351	4689	4920
65°	4156	4565	4732
70°	3878	4360	4466
75°	3455	3950	4066
80°	2821	3425	3598
85°	1863	2726	2919

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5049 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.5	3.3
10°-20°	413.9	9.4
20°-30°	626.6	14.2
30°-40°	756.3	17.2
40°-50°	789.8	17.9
50°-60°	722.5	16.4
60°-70°	558.6	12.7
70°-80°	316.2	7.2
80°-90°	78.5	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°	1184.9	26.9
0°-40°	1941.2	44.0
0°-60°	3453.6	78.4
0°-90°	4407.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4407.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1525	1525	1525	1525	1525	
5°	1518	1529	1515	1516	1525	144
15°	1458	1470	1461	1468	1478	411
25°	1341	1358	1353	1366	1379	618
35°	1180	1197	1204	1224	1237	738
45°	986	1006	1021	1047	1060	760
55°	761	784	810	835	849	681
65°	521	543	573	590	594	514
75°	265	288	303	311	312	281
85°	48	56	70	74	76	62
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1525.4	1525.4	1525.4	1525.4	1525.4
2.5°	1523.5	1534.3	1517.8	1521.0	1524.2
5°	1518.5	1529.3	1514.7	1515.9	1524.8
7.5°	1508.9	1521.0	1505.8	1508.3	1519.1
10°	1495.6	1507.7	1494.3	1496.9	1507.7
12.5°	1478.5	1490.5	1479.1	1482.9	1495.0
15°	1457.5	1470.2	1460.7	1467.7	1477.8
17.5°	1432.1	1448.0	1437.8	1448.6	1458.8
20°	1405.5	1421.3	1413.7	1423.2	1435.3
22.5°	1375.0	1390.9	1385.2	1395.3	1408.6
25°	1340.7	1357.9	1353.4	1366.1	1378.8
27.5°	1305.2	1321.7	1320.4	1334.4	1347.7
30°	1265.2	1283.0	1283.6	1300.1	1312.8
32.5°	1225.2	1241.1	1244.9	1263.3	1277.9
35°	1180.1	1196.6	1204.2	1224.5	1237.2
37.5°	1134.4	1152.8	1161.1	1183.3	1196.6
40°	1084.3	1105.2	1116.6	1140.1	1154.1
42.5°	1036.6	1055.7	1070.9	1094.4	1107.1
45°	986.5	1005.5	1021.4	1047.4	1059.5
47.5°	932.5	953.5	970.6	996.0	1009.3
50°	875.4	898.3	919.8	944.6	958.6
52.5°	818.9	841.1	865.9	890.0	904.0
55°	761.1	784.0	810.0	835.4	848.7
57.5°	702.7	725.6	754.2	777.0	791.0
60°	645.6	666.6	695.8	718.6	730.0
62.5°	580.9	605.0	634.8	657.7	664.0
65°	521.2	542.8	572.6	589.7	593.5
67.5°	457.7	479.3	509.1	518.6	524.4
70°	393.6	416.4	442.5	448.8	453.3
72.5°	328.8	352.3	372.6	379.0	382.8
75°	265.4	288.2	303.4	311.1	312.3
77.5°	203.8	224.7	238.7	247.6	247.6
80°	145.4	161.2	176.5	186.0	185.4
82.5°	92.7	104.7	120.6	127.6	132.0
85°	48.2	55.9	70.5	73.6	75.5
87.5°	15.2	19.7	25.4	20.9	20.3
90°	0.0	0.0	0.0	0.0	0.0

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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	17.37	19.02	17.73	19.33	19.65	17.91	19.56	18.27	19.87	20.19
	3H	19.14	20.63	19.52	20.96	21.32	19.77	21.26	20.15	21.59	21.95
	4H	19.76	21.17	20.16	21.52	21.89	20.44	21.85	20.84	22.20	22.57
	6H	20.17	21.47	20.58	21.84	22.23	20.93	22.23	21.34	22.60	22.99
	8H	20.27	21.52	20.69	21.91	22.30	21.08	22.33	21.51	22.72	23.12
	12H	20.32	21.51	20.75	21.90	22.32	21.18	22.38	21.61	22.76	23.19
4H	2H	18.11	19.51	18.50	19.86	20.24	18.53	19.94	18.93	20.28	20.66
	3H	20.10	21.28	20.51	21.68	22.08	20.61	21.79	21.02	22.19	22.59
	4H	20.85	21.92	21.28	22.33	22.77	21.41	22.48	21.84	22.89	23.33
	6H	21.37	22.30	21.82	22.74	23.20	22.02	22.96	22.48	23.40	23.85
	8H	21.50	22.38	21.96	22.82	23.28	22.23	23.10	22.69	23.54	24.01
	12H	21.58	22.37	22.06	22.84	23.31	22.37	23.15	22.84	23.63	24.10
8H	4H	21.20	22.08	21.66	22.52	22.98	21.70	22.57	22.16	23.01	23.48
	6H	21.84	22.56	22.33	23.05	23.53	22.43	23.16	22.92	23.64	24.12
	8H	22.03	22.68	22.54	23.19	23.67	22.70	23.36	23.21	23.86	24.35
	12H	22.15	22.73	22.66	23.22	23.78	22.91	23.49	23.42	23.98	24.54
12H	4H	21.24	22.03	21.72	22.51	22.97	21.72	22.51	22.20	22.98	23.45
	6H	21.90	22.55	22.41	23.06	23.54	22.47	23.13	22.98	23.63	24.12
	8H	22.15	22.73	22.66	23.22	23.78	22.80	23.38	23.31	23.87	24.43