

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: P1585727

Luminaire Tested: 14CZSP-SB-47-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585727
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-L940
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 4000 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

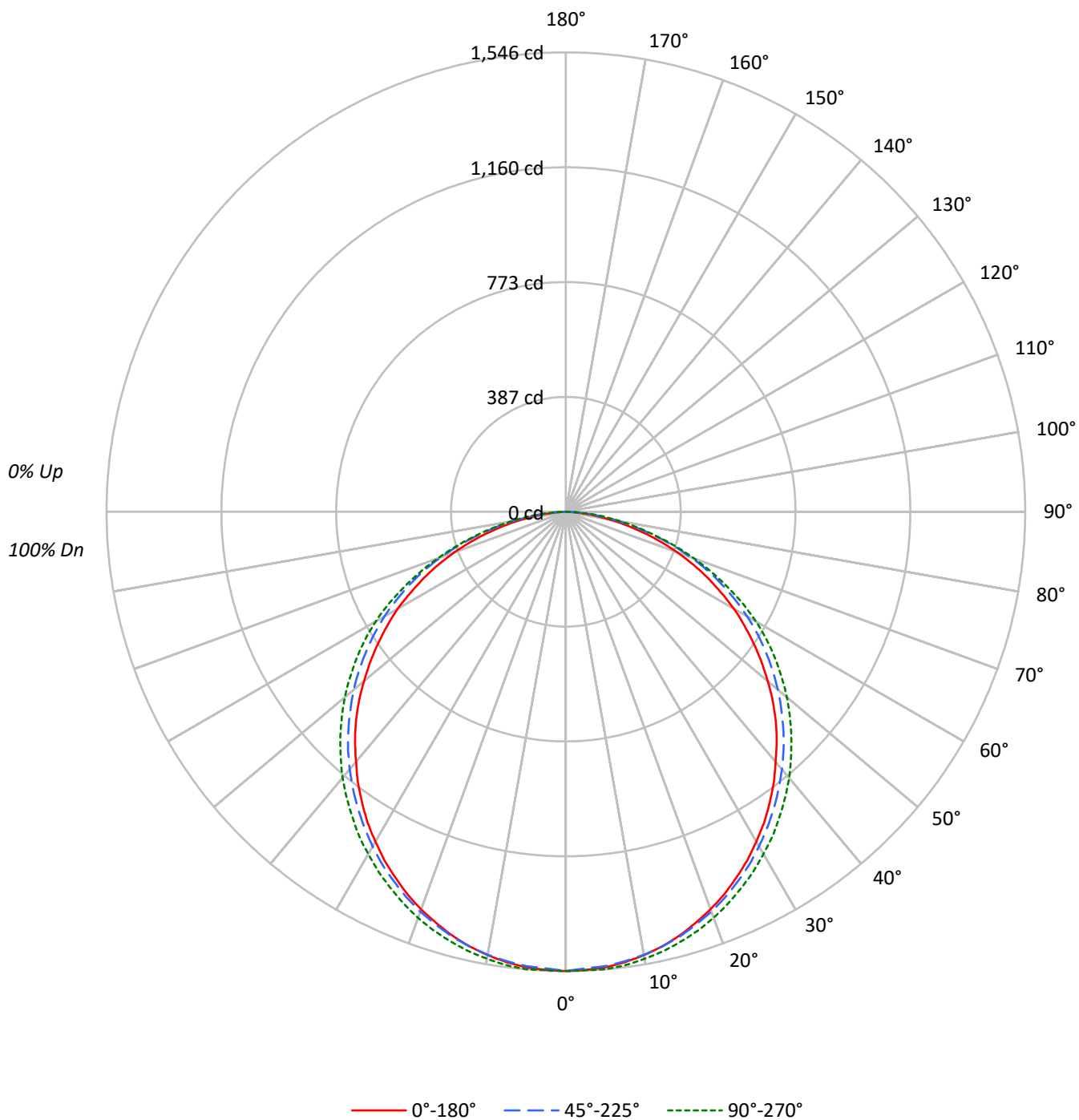
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4465.0 lumens
Efficiency: N/A
Efficacy: 136.1 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			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°	5208	5208	5208
5°	5204	5191	5226
10°	5185	5180	5226
15°	5151	5163	5223
20°	5106	5136	5215
25°	5050	5098	5194
30°	4987	5060	5175
35°	4918	5019	5156
40°	4832	4976	5143
45°	4763	4932	5115
50°	4649	4885	5091
55°	4531	4821	5052
60°	4408	4750	4984
65°	4210	4625	4795
70°	3929	4417	4524
75°	3500	4002	4119
80°	2858	3470	3644
85°	1891	2760	2958

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5115 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.4	3.3
10°-20°	419.3	9.4
20°-30°	634.8	14.2
30°-40°	766.3	17.2
40°-50°	800.2	17.9
50°-60°	732.1	16.4
60°-70°	565.9	12.7
70°-80°	320.4	7.2
80°-90°	79.6	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°	1200.5	26.9
0°-40°	1966.8	44.0
0°-60°	3499.1	78.4
0°-90°	4465.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4465.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1546	1546	1546	1546	1546	
5°	1538	1549	1535	1536	1545	146
15°	1477	1490	1480	1487	1497	416
25°	1358	1376	1371	1384	1397	626
35°	1196	1212	1220	1241	1254	748
45°	1000	1019	1035	1061	1073	770
55°	771	794	821	846	860	690
65°	528	550	580	598	601	521
75°	269	292	307	315	316	285
85°	49	57	71	75	76	63
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1545.5	1545.5	1545.5	1545.5	1545.5
2.5°	1543.6	1554.5	1537.8	1541.0	1544.2
5°	1538.5	1549.4	1534.6	1535.9	1544.9
7.5°	1528.8	1541.0	1525.6	1528.2	1539.1
10°	1515.3	1527.5	1514.0	1516.6	1527.5
12.5°	1497.9	1510.2	1498.6	1502.4	1514.7
15°	1476.7	1489.6	1479.9	1487.0	1497.3
17.5°	1451.0	1467.1	1456.8	1467.7	1478.0
20°	1424.0	1440.0	1432.3	1442.0	1454.2
22.5°	1393.1	1409.2	1403.4	1413.7	1427.2
25°	1358.4	1375.7	1371.2	1384.1	1397.0
27.5°	1322.3	1339.1	1337.8	1351.9	1365.4
30°	1281.8	1299.8	1300.5	1317.2	1330.1
32.5°	1241.3	1257.4	1261.2	1279.9	1294.7
35°	1195.6	1212.4	1220.1	1240.7	1253.5
37.5°	1149.3	1168.0	1176.3	1198.9	1212.4
40°	1098.5	1119.8	1131.3	1155.1	1169.3
42.5°	1050.3	1069.6	1085.0	1108.8	1121.7
45°	999.5	1018.8	1034.9	1061.2	1073.4
47.5°	944.8	966.0	983.4	1009.1	1022.6
50°	886.9	910.1	931.9	957.0	971.2
52.5°	829.7	852.2	877.3	901.7	915.9
55°	771.2	794.3	820.7	846.4	859.9
57.5°	712.0	735.1	764.1	787.2	801.4
60°	654.1	675.3	704.9	728.1	739.6
62.5°	588.5	612.9	643.2	666.3	672.8
65°	528.0	549.9	580.1	597.5	601.4
67.5°	463.7	485.6	515.8	525.5	531.3
70°	398.8	421.9	448.3	454.7	459.2
72.5°	333.2	357.0	377.5	384.0	387.8
75°	268.8	292.0	307.4	315.2	316.4
77.5°	206.5	227.7	241.8	250.8	250.8
80°	147.3	163.4	178.8	188.4	187.8
82.5°	93.9	106.1	122.2	129.3	133.8
85°	48.9	56.6	71.4	74.6	76.5
87.5°	15.4	19.9	25.7	21.2	20.6
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	17.41	19.06	17.78	19.38	19.69	17.95	19.60	18.32	19.92	20.23
	3H	19.19	20.68	19.56	21.01	21.37	19.81	21.31	20.19	21.63	21.99
	4H	19.81	21.22	20.21	21.56	21.94	20.49	21.89	20.88	22.24	22.62
	6H	20.21	21.52	20.63	21.88	22.27	20.97	22.28	21.38	22.64	23.03
	8H	20.32	21.56	20.74	21.95	22.35	21.13	22.38	21.55	22.76	23.16
	12H	20.36	21.56	20.79	21.94	22.37	21.23	22.42	21.65	22.80	23.23
4H	2H	18.15	19.56	18.55	19.91	20.28	18.57	19.98	18.97	20.33	20.70
	3H	20.14	21.33	20.55	21.72	22.12	20.65	21.83	21.06	22.23	22.63
	4H	20.89	21.96	21.32	22.38	22.81	21.45	22.52	21.88	22.94	23.37
	6H	21.41	22.35	21.87	22.79	23.24	22.07	23.00	22.52	23.44	23.90
	8H	21.55	22.42	22.01	22.87	23.33	22.27	23.15	22.73	23.59	24.05
	12H	21.62	22.41	22.10	22.89	23.35	22.41	23.20	22.89	23.67	24.14
8H	4H	21.25	22.12	21.71	22.57	23.03	21.74	22.62	22.20	23.06	23.52
	6H	21.88	22.61	22.37	23.10	23.57	22.48	23.20	22.97	23.69	24.16
	8H	22.08	22.73	22.58	23.23	23.72	22.75	23.40	23.26	23.91	24.39
	12H	22.20	22.78	22.71	23.27	23.83	22.96	23.53	23.46	24.02	24.58
12H	4H	21.29	22.08	21.77	22.55	23.02	21.77	22.55	22.25	23.03	23.50
	6H	21.95	22.60	22.45	23.10	23.59	22.52	23.17	23.03	23.68	24.16
	8H	22.19	22.77	22.70	23.26	23.82	22.84	23.42	23.35	23.91	24.47