

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: P1585763

Luminaire Tested: 14CZSP-SB-52-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585763
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-52-L930
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 4500 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

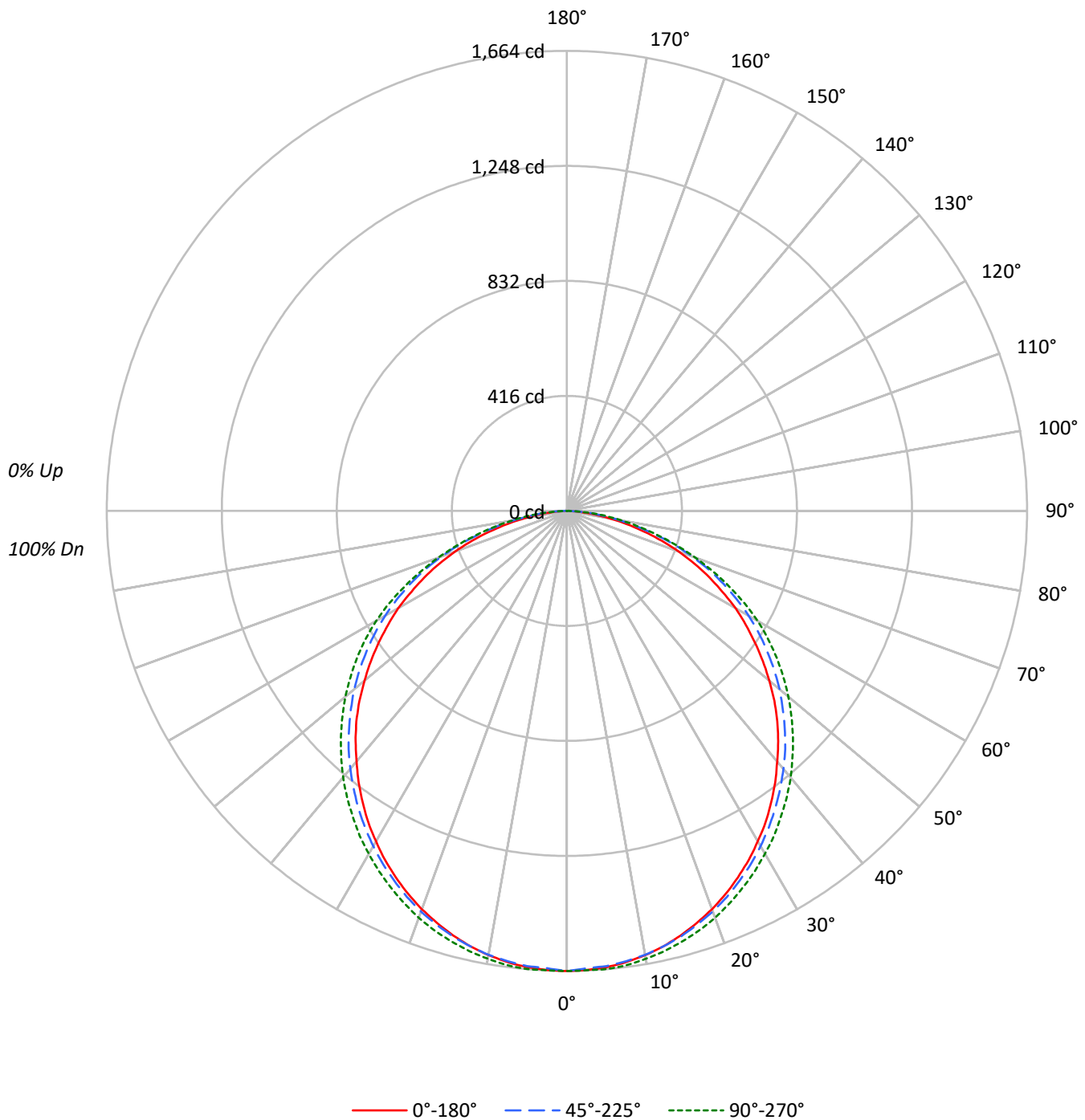
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4808.0 lumens
Efficiency: N/A
Efficacy: 130.3 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): 36.9
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°	5608	5608	5608
5°	5603	5589	5627
10°	5583	5578	5628
15°	5547	5559	5624
20°	5499	5531	5615
25°	5438	5490	5593
30°	5371	5449	5572
35°	5296	5404	5552
40°	5203	5358	5538
45°	5129	5310	5508
50°	5007	5260	5482
55°	4878	5191	5440
60°	4746	5116	5368
65°	4534	4981	5163
70°	4230	4756	4872
75°	3769	4309	4436
80°	3078	3735	3924
85°	2034	2973	3186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5508 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.6	3.3
10°-20°	451.5	9.4
20°-30°	683.6	14.2
30°-40°	825.1	17.2
40°-50°	861.7	17.9
50°-60°	788.3	16.4
60°-70°	609.4	12.7
70°-80°	345.0	7.2
80°-90°	85.7	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°	1292.7	26.9
0°-40°	2117.9	44.0
0°-60°	3767.9	78.4
0°-90°	4808.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4808.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1664	1664	1664	1664	1664	
5°	1657	1668	1652	1654	1664	157
15°	1590	1604	1594	1601	1612	448
25°	1463	1481	1477	1490	1504	674
35°	1288	1306	1314	1336	1350	805
45°	1076	1097	1114	1143	1156	829
55°	830	855	884	911	926	743
65°	569	592	625	643	648	561
75°	290	314	331	339	341	307
85°	53	61	77	80	82	68
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1664.3	1664.3	1664.3	1664.3	1664.3
2.5°	1662.2	1673.9	1655.9	1659.4	1662.9
5°	1656.6	1668.4	1652.5	1653.9	1663.6
7.5°	1646.2	1659.4	1642.8	1645.6	1657.3
10°	1631.7	1644.9	1630.3	1633.1	1644.9
12.5°	1613.0	1626.2	1613.7	1617.8	1631.0
15°	1590.1	1604.0	1593.6	1601.2	1612.3
17.5°	1562.4	1579.8	1568.7	1580.5	1591.5
20°	1533.4	1550.7	1542.4	1552.7	1565.9
22.5°	1500.1	1517.4	1511.2	1522.3	1536.8
25°	1462.7	1481.4	1476.6	1490.4	1504.3
27.5°	1423.9	1441.9	1440.6	1455.8	1470.3
30°	1380.3	1399.7	1400.4	1418.4	1432.2
32.5°	1336.7	1354.0	1358.1	1378.2	1394.1
35°	1287.5	1305.5	1313.8	1336.0	1349.8
37.5°	1237.6	1257.7	1266.7	1291.0	1305.5
40°	1182.9	1205.8	1218.2	1243.9	1259.1
42.5°	1131.0	1151.7	1168.4	1194.0	1207.8
45°	1076.3	1097.0	1114.3	1142.7	1155.9
47.5°	1017.4	1040.2	1058.9	1086.6	1101.2
50°	955.1	980.0	1003.5	1030.5	1045.8
52.5°	893.4	917.7	944.7	971.0	986.2
55°	830.4	855.3	883.7	911.4	926.0
57.5°	766.7	791.6	822.8	847.7	862.9
60°	704.3	727.2	759.1	784.0	796.5
62.5°	633.7	660.0	692.6	717.5	724.4
65°	568.6	592.1	624.7	643.4	647.6
67.5°	499.3	522.9	555.4	565.8	572.1
70°	429.4	454.3	482.7	489.6	494.5
72.5°	358.8	384.4	406.5	413.5	417.6
75°	289.5	314.4	331.0	339.4	340.7
77.5°	222.3	245.2	260.4	270.1	270.1
80°	158.6	175.9	192.5	202.9	202.2
82.5°	101.1	114.3	131.6	139.2	144.1
85°	52.6	60.9	76.9	80.3	82.4
87.5°	16.6	21.5	27.7	22.9	22.2
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	17.67	19.32	18.03	19.63	19.95	18.21	19.86	18.58	20.18	20.49
	3H	19.44	20.94	19.82	21.26	21.62	20.07	21.57	20.45	21.89	22.25
	4H	20.07	21.47	20.46	21.82	22.20	20.74	22.15	21.14	22.50	22.87
	6H	20.47	21.78	20.88	22.14	22.53	21.23	22.53	21.64	22.90	23.29
	8H	20.57	21.82	21.00	22.21	22.61	21.39	22.63	21.81	23.02	23.42
	12H	20.62	21.82	21.05	22.20	22.63	21.48	22.68	21.91	23.06	23.49
4H	2H	18.41	19.82	18.81	20.16	20.54	18.83	20.24	19.23	20.59	20.96
	3H	20.40	21.58	20.81	21.98	22.38	20.91	22.09	21.32	22.49	22.89
	4H	21.15	22.22	21.58	22.63	23.07	21.71	22.78	22.14	23.19	23.63
	6H	21.67	22.60	22.12	23.04	23.50	22.33	23.26	22.78	23.70	24.15
	8H	21.81	22.68	22.26	23.12	23.59	22.53	23.40	22.99	23.85	24.31
	12H	21.88	22.67	22.36	23.14	23.61	22.67	23.45	23.15	23.93	24.40
8H	4H	21.51	22.38	21.97	22.82	23.29	22.00	22.88	22.46	23.32	23.78
	6H	22.14	22.87	22.63	23.35	23.83	22.73	23.46	23.23	23.95	24.42
	8H	22.33	22.98	22.84	23.49	23.98	23.01	23.66	23.51	24.16	24.65
	12H	22.46	23.03	22.96	23.52	24.08	23.21	23.79	23.72	24.28	24.84
12H	4H	21.55	22.33	22.03	22.81	23.28	22.02	22.81	22.50	23.29	23.75
	6H	22.20	22.86	22.71	23.36	23.85	22.77	23.43	23.28	23.93	24.42
	8H	22.45	23.03	22.96	23.52	24.08	23.10	23.68	23.61	24.17	24.73