

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: P1587763

Luminaire Tested: 22CZSP-SB-52-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587763
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-7)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CZSP-SB-52-L930
Description: 2x2 CZSP LED Luminaire, 3000K CCT and 5000 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

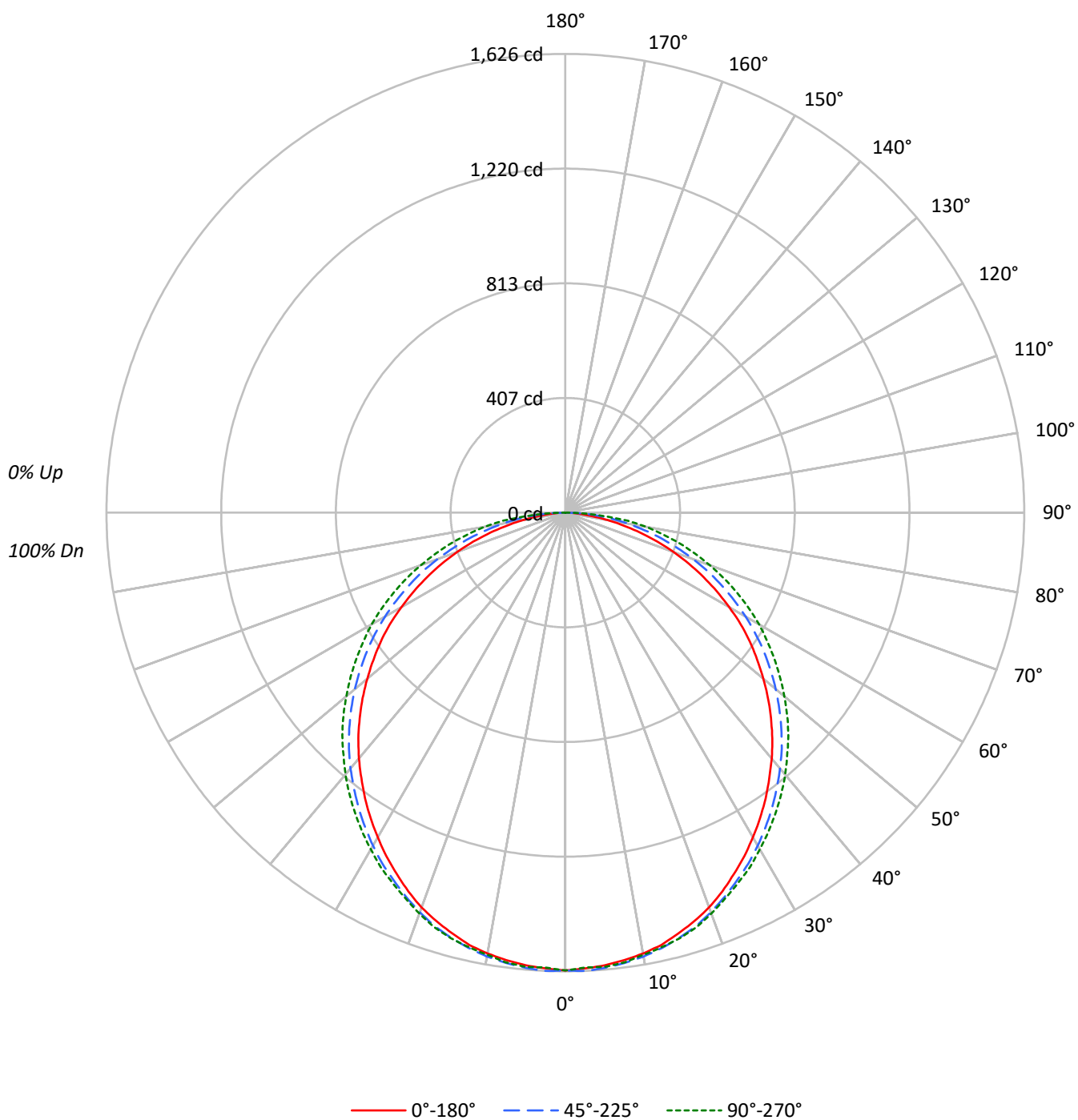
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4736.0 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.88' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 37.2
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	108	103	99	95	106	101	97	93	97	93	90		93	90	88		89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74		81	76	72		78	74	71	68
3	89	79	70	63	87	77	69	63	74	67	62		71	65	61		69	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52		63	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40		51	44	39		50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35		47	40	35		45	39	34	32
8	60	46	37	32	58	45	37	31	44	37	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25		37	30	25		36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5082	5082	5082
5°	5063	5091	5079
10°	5045	5080	5061
15°	5008	5059	5066
20°	4963	5024	5040
25°	4883	4970	5004
30°	4806	4929	4984
35°	4728	4882	4966
40°	4651	4839	4954
45°	4563	4794	4949
50°	4463	4741	4937
55°	4361	4690	4936
60°	4200	4620	4966
65°	4003	4530	4969
70°	3735	4405	4983
75°	3322	4244	5069
80°	2730	4066	5260
85°	1800	3819	4753

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 5386 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.5	3.2
10°-20°	439.4	9.3
20°-30°	662.3	14.0
30°-40°	797.6	16.8
40°-50°	833.2	17.6
50°-60°	765.5	16.2
60°-70°	602.8	12.7
70°-80°	369.6	7.8
80°-90°	112.1	2.4
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°	1255.2	26.5
0°-40°	2052.8	43.3
0°-60°	3651.5	77.1
0°-90°	4736.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4736.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1623	1623	1623	1623	1623	
5°	1611	1614	1620	1618	1616	153
15°	1545	1551	1561	1567	1563	436
25°	1413	1422	1438	1453	1448	652
35°	1237	1253	1277	1300	1299	774
45°	1030	1052	1083	1113	1118	795
55°	799	822	859	896	904	713
65°	540	568	611	652	671	534
75°	275	307	351	393	419	292
85°	50	74	106	118	132	64
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1622.8	1622.8	1622.8	1622.8	1622.8
2.5°	1616.8	1620.8	1625.8	1617.8	1613.8
5°	1610.8	1613.8	1619.8	1617.8	1615.8
7.5°	1599.8	1601.8	1609.8	1609.8	1607.8
10°	1586.8	1590.8	1597.8	1596.8	1591.8
12.5°	1569.7	1572.7	1580.7	1580.7	1577.7
15°	1544.7	1550.7	1560.7	1566.7	1562.7
17.5°	1518.6	1524.6	1537.6	1543.7	1541.6
20°	1489.5	1494.5	1507.6	1516.6	1512.6
22.5°	1453.4	1459.5	1474.5	1484.5	1480.5
25°	1413.3	1422.4	1438.4	1453.4	1448.4
27.5°	1373.2	1383.3	1403.3	1418.4	1416.3
30°	1329.1	1342.2	1363.2	1382.3	1378.3
32.5°	1284.0	1299.1	1321.1	1341.2	1340.2
35°	1236.9	1253.0	1277.0	1300.1	1299.1
37.5°	1186.8	1205.9	1230.9	1256.0	1257.0
40°	1137.7	1155.7	1183.8	1210.9	1211.9
42.5°	1085.6	1104.6	1134.7	1162.7	1163.8
45°	1030.4	1052.5	1082.6	1112.6	1117.6
47.5°	974.3	997.4	1028.4	1060.5	1066.5
50°	916.2	940.2	973.3	1007.4	1013.4
52.5°	857.0	882.1	916.2	950.2	959.3
55°	798.9	821.9	859.0	896.1	904.1
57.5°	737.7	758.8	798.9	838.0	848.0
60°	670.6	696.6	737.7	776.8	792.9
62.5°	605.4	633.5	675.6	714.7	732.7
65°	540.3	568.3	611.4	652.5	670.6
67.5°	474.1	503.2	549.3	588.4	608.4
70°	408.0	437.0	481.1	523.2	544.3
72.5°	341.8	372.9	416.0	459.1	480.1
75°	274.6	306.7	350.8	392.9	419.0
77.5°	211.5	242.6	286.7	329.8	351.8
80°	151.4	182.4	225.5	268.6	291.7
82.5°	96.2	125.3	167.4	203.5	224.5
85°	50.1	74.2	106.3	118.3	132.3
87.5°	15.0	29.1	41.1	46.1	57.1
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	17.16	18.82	17.53	19.14	19.45	17.91	19.57	18.27	19.88	20.20
	3H	18.92	20.43	19.30	20.76	21.12	20.00	21.51	20.38	21.84	22.20
	4H	19.55	20.97	19.95	21.32	21.69	20.89	22.31	21.29	22.66	23.03
	6H	19.96	21.28	20.37	21.65	22.04	21.65	22.98	22.07	23.34	23.73
	8H	20.07	21.33	20.49	21.72	22.12	21.97	23.23	22.39	23.62	24.02
	12H	20.12	21.33	20.55	21.71	22.14	22.18	23.39	22.61	23.77	24.20
4H	2H	17.93	19.35	18.33	19.70	20.08	18.51	19.93	18.91	20.28	20.66
	3H	19.92	21.12	20.33	21.52	21.92	20.84	22.04	21.25	22.43	22.83
	4H	20.68	21.77	21.11	22.18	22.61	21.87	22.96	22.30	23.37	23.81
	6H	21.22	22.17	21.67	22.61	23.06	22.80	23.76	23.26	24.20	24.65
	8H	21.36	22.25	21.82	22.70	23.16	23.19	24.08	23.65	24.52	24.99
	12H	21.45	22.25	21.93	22.73	23.19	23.46	24.27	23.94	24.74	25.21
8H	4H	21.13	22.02	21.59	22.46	22.93	22.17	23.07	22.63	23.51	23.97
	6H	21.81	22.55	22.30	23.04	23.51	23.26	24.00	23.75	24.49	24.96
	8H	22.03	22.70	22.54	23.20	23.69	23.75	24.41	24.25	24.92	25.40
	12H	22.18	22.77	22.68	23.26	23.82	24.12	24.71	24.63	25.20	25.76
12H	4H	21.21	22.02	21.69	22.49	22.96	22.20	23.01	22.68	23.48	23.95
	6H	21.94	22.61	22.44	23.11	23.60	23.31	23.98	23.82	24.49	24.97
	8H	22.23	22.82	22.73	23.31	23.87	23.86	24.46	24.37	24.95	25.50