

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: P1586731

Luminaire Tested: 22CZSP-A-52-L950

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1586731
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2605-772-10)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CZSP-A-52-L950
Description: 2x2 CZSP LED Luminaire, 5000K CCT and 5000 lumens, 90CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

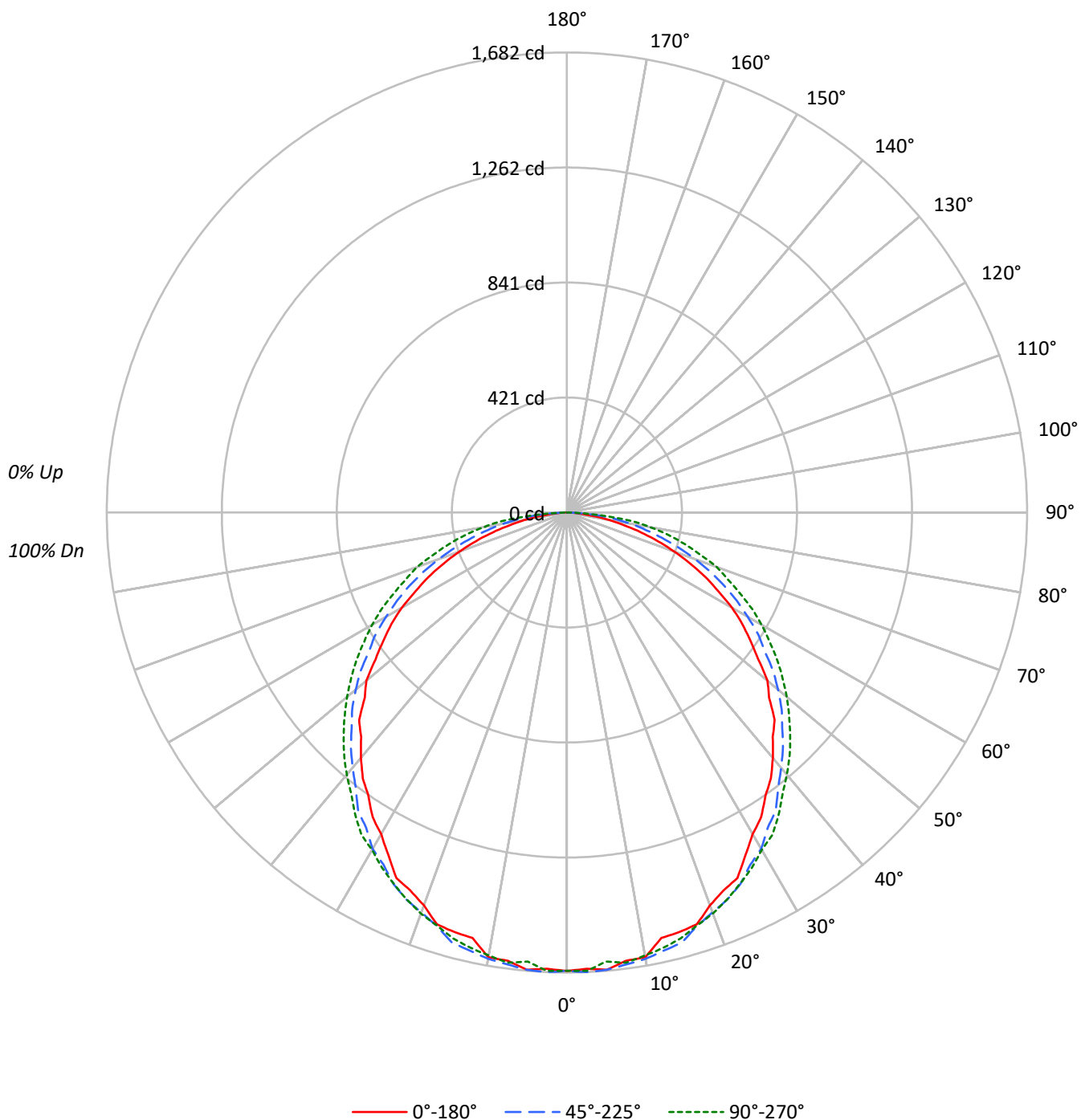
Lumens per Lamp: N/A
Luminaire Lumens: 4893.0 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.88' x L: 1.83' x H: 0')
CIE Type: Direct

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	31	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°	5248	5248	5248
5°	5274	5274	5179
10°	5249	5269	5229
15°	5149	5274	5223
20°	5094	5184	5198
25°	5094	5181	5174
30°	4909	5135	5150
35°	4834	5086	5158
40°	4786	4978	5114
45°	4755	4926	5111
50°	4662	4906	5109
55°	4472	4814	5121
60°	4366	4777	5150
65°	4144	4709	5165
70°	3821	4557	5340
75°	3396	4355	5391
80°	2822	4272	5588
85°	1725	3823	4725

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 5782 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.9	3.2
10°-20°	454.1	9.3
20°-30°	684.9	14.0
30°-40°	822.7	16.8
40°-50°	858.8	17.6
50°-60°	790.7	16.2
60°-70°	624.4	12.8
70°-80°	384.5	7.9
80°-90°	114.0	2.3
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°	1298.0	26.5
0°-40°	2120.6	43.3
0°-60°	3770.1	77.1
0°-90°	4893.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4893.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1676	1676	1676	1676	1676	
5°	1678	1661	1678	1680	1648	159
15°	1588	1610	1627	1620	1611	449
25°	1474	1485	1500	1493	1497	672
35°	1265	1288	1330	1337	1349	795
45°	1074	1082	1112	1136	1154	821
55°	819	841	882	921	938	735
65°	559	579	636	681	697	551
75°	281	308	360	417	446	298
85°	48	69	106	126	132	65
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1675.9	1675.9	1675.9	1675.9	1675.9
2.5°	1669.6	1687.3	1682.1	1685.2	1676.9
5°	1677.9	1661.2	1677.9	1680.0	1647.7
7.5°	1652.9	1655.0	1666.5	1669.6	1660.2
10°	1650.8	1657.1	1657.1	1646.6	1644.5
12.5°	1593.4	1624.7	1640.4	1647.7	1629.9
15°	1588.2	1610.1	1626.8	1619.5	1611.2
17.5°	1578.8	1572.5	1584.0	1592.4	1583.0
20°	1528.7	1539.2	1555.8	1557.9	1560.0
22.5°	1495.3	1498.5	1531.8	1535.0	1530.8
25°	1474.5	1484.9	1499.5	1493.2	1497.4
27.5°	1412.9	1437.9	1451.5	1464.0	1464.0
30°	1357.6	1386.8	1420.2	1424.4	1424.4
32.5°	1321.1	1340.9	1365.9	1374.3	1397.2
35°	1264.7	1287.7	1330.5	1336.7	1349.2
37.5°	1225.1	1248.0	1267.8	1289.8	1295.0
40°	1170.8	1194.8	1217.8	1242.8	1251.1
42.5°	1113.4	1138.5	1168.7	1194.8	1205.2
45°	1073.8	1082.1	1112.4	1136.4	1154.1
47.5°	1001.8	1025.8	1064.4	1094.6	1101.9
50°	956.9	966.3	1007.0	1047.7	1048.7
52.5°	881.8	909.9	949.6	988.2	993.4
55°	819.1	841.1	881.8	921.4	938.1
57.5°	760.7	777.4	829.6	869.2	878.6
60°	697.1	714.8	762.8	808.7	822.3
62.5°	623.0	648.0	700.2	744.0	762.8
65°	559.3	579.1	635.5	681.4	697.1
67.5°	487.3	514.4	567.7	618.8	635.5
70°	417.4	444.5	497.7	551.0	583.3
72.5°	348.5	376.7	429.9	491.5	509.2
75°	280.7	307.8	360.0	417.4	445.6
77.5°	213.9	243.1	296.4	353.7	380.9
80°	156.5	179.5	236.9	287.0	309.9
82.5°	97.0	121.0	174.3	221.2	241.0
85°	48.0	68.9	106.4	126.3	131.5
87.5°	14.6	21.9	33.4	43.8	50.1
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	17.23	18.89	17.59	19.20	19.52	18.05	19.71	18.41	20.03	20.34
	3H	18.98	20.49	19.36	20.81	21.17	20.20	21.70	20.57	22.03	22.39
	4H	19.59	21.02	19.99	21.36	21.74	21.11	22.53	21.51	22.88	23.25
	6H	20.00	21.32	20.41	21.68	22.07	21.91	23.23	22.32	23.60	23.99
	8H	20.10	21.36	20.52	21.75	22.15	22.23	23.50	22.66	23.89	24.28
	12H	20.14	21.36	20.57	21.74	22.16	22.44	23.65	22.87	24.03	24.46
4H	2H	18.02	19.44	18.41	19.79	20.16	18.65	20.08	19.05	20.42	20.80
	3H	19.99	21.19	20.40	21.59	21.99	21.03	22.23	21.44	22.63	23.03
	4H	20.72	21.81	21.15	22.22	22.66	22.10	23.19	22.53	23.60	24.04
	6H	21.24	22.19	21.69	22.63	23.09	23.07	24.02	23.52	24.46	24.91
	8H	21.38	22.27	21.84	22.72	23.18	23.47	24.36	23.92	24.80	25.26
	12H	21.46	22.26	21.94	22.74	23.20	23.73	24.54	24.21	25.01	25.48
8H	4H	21.19	22.08	21.65	22.52	22.99	22.39	23.28	22.85	23.72	24.19
	6H	21.84	22.59	22.34	23.07	23.55	23.52	24.26	24.01	24.75	25.22
	8H	22.05	22.72	22.56	23.22	23.71	24.02	24.69	24.53	25.20	25.68
	12H	22.18	22.77	22.68	23.26	23.82	24.39	24.98	24.90	25.47	26.03
12H	4H	21.28	22.08	21.76	22.56	23.03	22.42	23.22	22.89	23.69	24.16
	6H	21.98	22.65	22.49	23.16	23.64	23.56	24.23	24.07	24.74	25.22
	8H	22.26	22.85	22.76	23.34	23.90	24.14	24.73	24.64	25.22	25.78