

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: P1587767

Luminaire Tested: 22CZSP-SB-52-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587767
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-L940
Description: 2x2 CZSP LED Luminaire, 4000K CCT and 5000 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

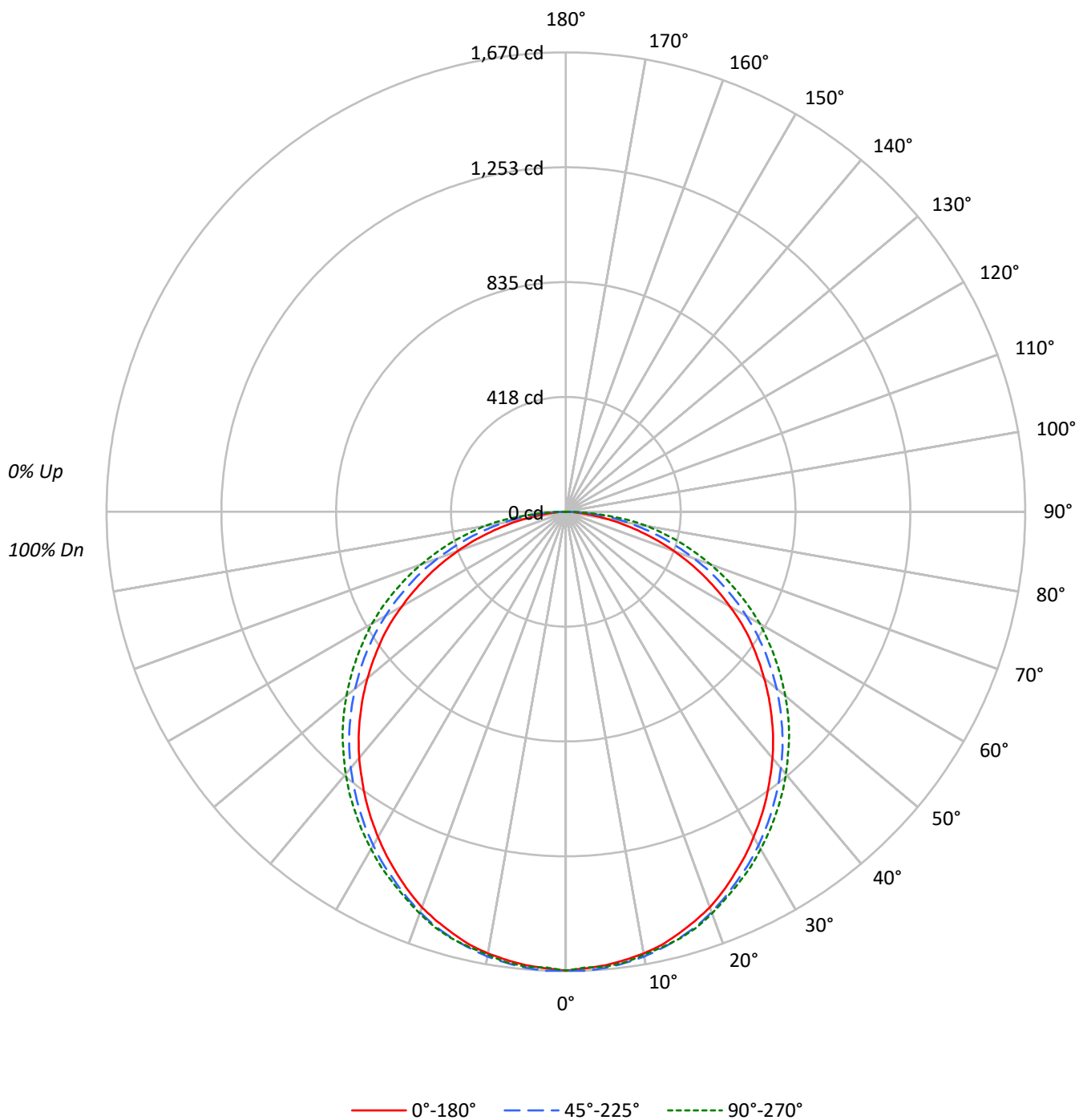
Lumens per Lamp: N/A
Luminaire Lumens: 4866.0 lumens
Efficiency: N/A
Efficacy: 130.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.88' x L: 1.83' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5221	5221	5221
5°	5202	5231	5218
10°	5184	5220	5200
15°	5145	5198	5205
20°	5100	5161	5179
25°	5017	5106	5142
30°	4938	5064	5120
35°	4858	5016	5102
40°	4778	4972	5090
45°	4688	4926	5085
50°	4586	4871	5072
55°	4481	4818	5072
60°	4315	4747	5102
65°	4113	4655	5105
70°	3838	4526	5120
75°	3414	4362	5208
80°	2804	4178	5404
85°	1850	3923	4883

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 5534 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.7	3.2
10°-20°	451.5	9.3
20°-30°	680.5	14.0
30°-40°	819.5	16.8
40°-50°	856.1	17.6
50°-60°	786.5	16.2
60°-70°	619.4	12.7
70°-80°	379.7	7.8
80°-90°	115.1	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°	1289.6	26.5
0°-40°	2109.1	43.3
0°-60°	3751.7	77.1
0°-90°	4866.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4866.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1667	1667	1667	1667	1667	
5°	1655	1658	1664	1662	1660	157
15°	1587	1593	1604	1610	1606	448
25°	1452	1461	1478	1493	1488	669
35°	1271	1287	1312	1336	1335	795
45°	1059	1081	1112	1143	1148	817
55°	821	844	883	921	929	732
65°	555	584	628	670	689	549
75°	282	315	360	404	430	300
85°	52	76	109	122	136	66
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1667.4	1667.4	1667.4	1667.4	1667.4
2.5°	1661.2	1665.3	1670.5	1662.2	1658.1
5°	1655.0	1658.1	1664.3	1662.2	1660.2
7.5°	1643.7	1645.8	1654.0	1654.0	1651.9
10°	1630.3	1634.4	1641.6	1640.6	1635.5
12.5°	1612.8	1615.9	1624.1	1624.1	1621.0
15°	1587.1	1593.2	1603.5	1609.7	1605.6
17.5°	1560.3	1566.5	1579.8	1586.0	1584.0
20°	1530.4	1535.6	1548.9	1558.2	1554.1
22.5°	1493.3	1499.5	1515.0	1525.3	1521.1
25°	1452.1	1461.4	1477.9	1493.3	1488.2
27.5°	1410.9	1421.2	1441.8	1457.3	1455.2
30°	1365.6	1379.0	1400.6	1420.2	1416.1
32.5°	1319.3	1334.7	1357.4	1378.0	1377.0
35°	1270.9	1287.4	1312.1	1335.8	1334.7
37.5°	1219.4	1239.0	1264.7	1290.4	1291.5
40°	1168.9	1187.5	1216.3	1244.1	1245.1
42.5°	1115.4	1134.9	1165.8	1194.7	1195.7
45°	1058.7	1081.4	1112.3	1143.2	1148.3
47.5°	1001.0	1024.7	1056.7	1089.6	1095.8
50°	941.3	966.0	1000.0	1035.0	1041.2
52.5°	880.6	906.3	941.3	976.3	985.6
55°	820.8	844.5	882.6	920.7	929.0
57.5°	758.0	779.6	820.8	861.0	871.3
60°	689.0	715.8	758.0	798.2	814.6
62.5°	622.1	650.9	694.1	734.3	752.8
65°	555.1	583.9	628.2	670.5	689.0
67.5°	487.1	517.0	564.4	604.5	625.1
70°	419.2	449.0	494.3	537.6	559.2
72.5°	351.2	383.1	427.4	471.7	493.3
75°	282.2	315.1	360.5	403.7	430.5
77.5°	217.3	249.2	294.5	338.8	361.5
80°	155.5	187.4	231.7	276.0	299.7
82.5°	98.9	128.7	172.0	209.1	230.7
85°	51.5	76.2	109.2	121.5	135.9
87.5°	15.4	29.9	42.2	47.4	58.7
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	17.26	18.92	17.62	19.23	19.55	18.00	19.66	18.37	19.98	20.29
	3H	19.02	20.53	19.39	20.85	21.21	20.10	21.60	20.47	21.93	22.29
	4H	19.64	21.07	20.04	21.41	21.79	20.98	22.40	21.38	22.75	23.13
	6H	20.06	21.38	20.47	21.74	22.13	21.75	23.07	22.16	23.43	23.82
	8H	20.16	21.42	20.58	21.81	22.21	22.06	23.32	22.48	23.71	24.11
	12H	20.21	21.42	20.64	21.80	22.23	22.27	23.48	22.70	23.87	24.29
4H	2H	18.03	19.45	18.42	19.80	20.17	18.61	20.03	19.00	20.38	20.75
	3H	20.02	21.22	20.43	21.61	22.01	20.93	22.13	21.34	22.53	22.93
	4H	20.77	21.86	21.20	22.27	22.71	21.97	23.05	22.40	23.47	23.90
	6H	21.31	22.26	21.76	22.70	23.15	22.90	23.85	23.35	24.29	24.74
	8H	21.46	22.35	21.92	22.79	23.25	23.28	24.18	23.74	24.62	25.08
	12H	21.54	22.35	22.02	22.82	23.29	23.56	24.36	24.04	24.84	25.30
8H	4H	21.22	22.12	21.68	22.56	23.02	22.27	23.16	22.73	23.60	24.07
	6H	21.90	22.65	22.39	23.13	23.61	23.35	24.10	23.84	24.58	25.06
	8H	22.12	22.79	22.63	23.30	23.78	23.84	24.51	24.35	25.01	25.50
	12H	22.27	22.86	22.78	23.35	23.91	24.22	24.81	24.72	25.30	25.86
12H	4H	21.31	22.11	21.79	22.59	23.05	22.30	23.10	22.77	23.57	24.04
	6H	22.03	22.70	22.54	23.20	23.69	23.40	24.07	23.91	24.58	25.06
	8H	22.32	22.91	22.83	23.40	23.96	23.96	24.55	24.46	25.04	25.60