

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: P1587753

Luminaire Tested: 22CZSP-SB-52-L830

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587753
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-L830
Description: 2x2 CZSP LED Luminaire, 3000K CCT and 5000 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

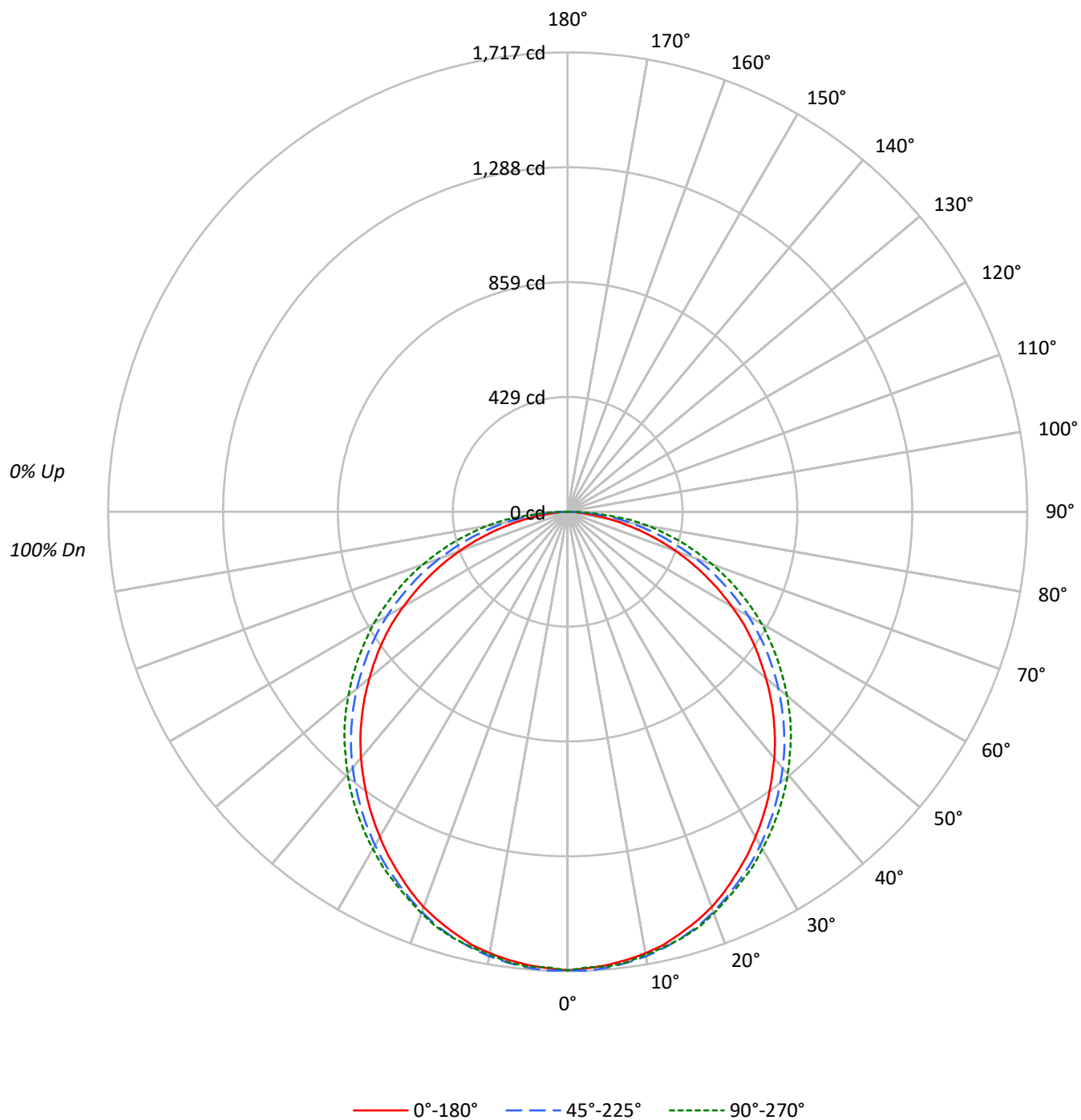
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5001.0 lumens
Efficiency: N/A
Efficacy: 134.4 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°	5366	5366	5366
5°	5346	5377	5363
10°	5327	5365	5344
15°	5288	5342	5349
20°	5241	5305	5322
25°	5156	5248	5284
30°	5075	5205	5262
35°	4993	5155	5244
40°	4911	5110	5231
45°	4819	5062	5226
50°	4713	5007	5213
55°	4605	4952	5212
60°	4435	4879	5243
65°	4227	4784	5247
70°	3944	4652	5262
75°	3509	4483	5352
80°	2882	4295	5554
85°	1901	4031	5019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 5688 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.1	3.2
10°-20°	464.0	9.3
20°-30°	699.3	14.0
30°-40°	842.2	16.8
40°-50°	879.9	17.6
50°-60°	808.3	16.2
60°-70°	636.6	12.7
70°-80°	390.3	7.8
80°-90°	118.3	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°	1325.4	26.5
0°-40°	2167.6	43.3
0°-60°	3855.8	77.1
0°-90°	5001.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5001.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1714	1714	1714	1714	1714	
5°	1701	1704	1710	1708	1706	162
15°	1631	1637	1648	1654	1650	460
25°	1492	1502	1519	1535	1530	688
35°	1306	1323	1348	1373	1372	817
45°	1088	1111	1143	1175	1180	839
55°	844	868	907	946	955	753
65°	570	600	646	689	708	564
75°	290	324	370	415	442	308
85°	53	78	112	125	140	68
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1713.6	1713.6	1713.6	1713.6	1713.6
2.5°	1707.3	1711.5	1716.8	1708.4	1704.1
5°	1700.9	1704.1	1710.5	1708.4	1706.2
7.5°	1689.3	1691.4	1699.9	1699.9	1697.8
10°	1675.5	1679.8	1687.2	1686.1	1680.8
12.5°	1657.5	1660.7	1669.2	1669.2	1666.0
15°	1631.1	1637.4	1648.0	1654.4	1650.1
17.5°	1603.6	1609.9	1623.7	1630.0	1627.9
20°	1572.9	1578.2	1591.9	1601.4	1597.2
22.5°	1534.8	1541.1	1557.0	1567.6	1563.3
25°	1492.4	1502.0	1518.9	1534.8	1529.5
27.5°	1450.1	1460.7	1481.8	1497.7	1495.6
30°	1403.5	1417.3	1439.5	1459.6	1455.4
32.5°	1355.9	1371.8	1395.0	1416.2	1415.2
35°	1306.1	1323.1	1348.5	1372.8	1371.8
37.5°	1253.2	1273.3	1299.8	1326.2	1327.3
40°	1201.3	1220.4	1250.0	1278.6	1279.7
42.5°	1146.3	1166.4	1198.2	1227.8	1228.9
45°	1088.1	1111.4	1143.1	1174.9	1180.2
47.5°	1028.8	1053.2	1086.0	1119.8	1126.2
50°	967.4	992.8	1027.8	1063.7	1070.1
52.5°	905.0	931.4	967.4	1003.4	1012.9
55°	843.6	867.9	907.1	946.3	954.7
57.5°	779.0	801.3	843.6	884.9	895.5
60°	708.1	735.6	779.0	820.3	837.2
62.5°	639.3	668.9	713.4	754.7	773.7
65°	570.5	600.1	645.7	689.1	708.1
67.5°	500.7	531.3	580.0	621.3	642.5
70°	430.8	461.5	508.1	552.5	574.7
72.5°	360.9	393.7	439.3	484.8	507.0
75°	290.0	323.9	370.5	414.9	442.4
77.5°	223.3	256.1	302.7	348.2	371.5
80°	159.8	192.6	238.2	283.7	308.0
82.5°	101.6	132.3	176.8	214.9	237.1
85°	52.9	78.3	112.2	124.9	139.7
87.5°	15.9	30.7	43.4	48.7	60.3
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	17.35	19.01	17.72	19.33	19.64	18.10	19.76	18.46	20.07	20.39
	3H	19.11	20.62	19.49	20.95	21.31	20.19	21.70	20.57	22.03	22.39
	4H	19.74	21.16	20.14	21.51	21.88	21.08	22.50	21.47	22.85	23.22
	6H	20.15	21.47	20.56	21.83	22.22	21.84	23.16	22.25	23.53	23.92
	8H	20.26	21.52	20.68	21.91	22.31	22.16	23.42	22.58	23.81	24.20
	12H	20.31	21.52	20.74	21.90	22.33	22.37	23.58	22.80	23.96	24.39
4H	2H	18.12	19.54	18.52	19.89	20.27	18.70	20.12	19.10	20.47	20.85
	3H	20.11	21.31	20.52	21.71	22.11	21.03	22.23	21.44	22.62	23.02
	4H	20.87	21.95	21.30	22.37	22.80	22.06	23.15	22.49	23.56	24.00
	6H	21.40	22.36	21.86	22.80	23.25	22.99	23.95	23.45	24.39	24.84
	8H	21.55	22.44	22.01	22.89	23.35	23.38	24.27	23.84	24.71	25.18
	12H	21.64	22.44	22.12	22.92	23.38	23.65	24.46	24.13	24.93	25.40
8H	4H	21.32	22.21	21.78	22.65	23.12	22.36	23.26	22.82	23.70	24.16
	6H	22.00	22.74	22.49	23.23	23.70	23.45	24.19	23.94	24.68	25.15
	8H	22.22	22.89	22.73	23.39	23.88	23.94	24.60	24.44	25.11	25.59
	12H	22.37	22.96	22.87	23.45	24.01	24.31	24.90	24.82	25.39	25.95
12H	4H	21.40	22.21	21.88	22.68	23.15	22.39	23.20	22.87	23.67	24.14
	6H	22.13	22.80	22.63	23.30	23.78	23.50	24.17	24.01	24.67	25.16
	8H	22.42	23.01	22.92	23.50	24.06	24.05	24.65	24.56	25.14	25.69