

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: P1587754

Luminaire Tested: 22CZSP-SB-52-L835-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587754
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-8)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CZSP-SB-52-L835-S
Description: 2x2 CZSP LED Luminaire, 3500K CCT and 5000 lumens, 80CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

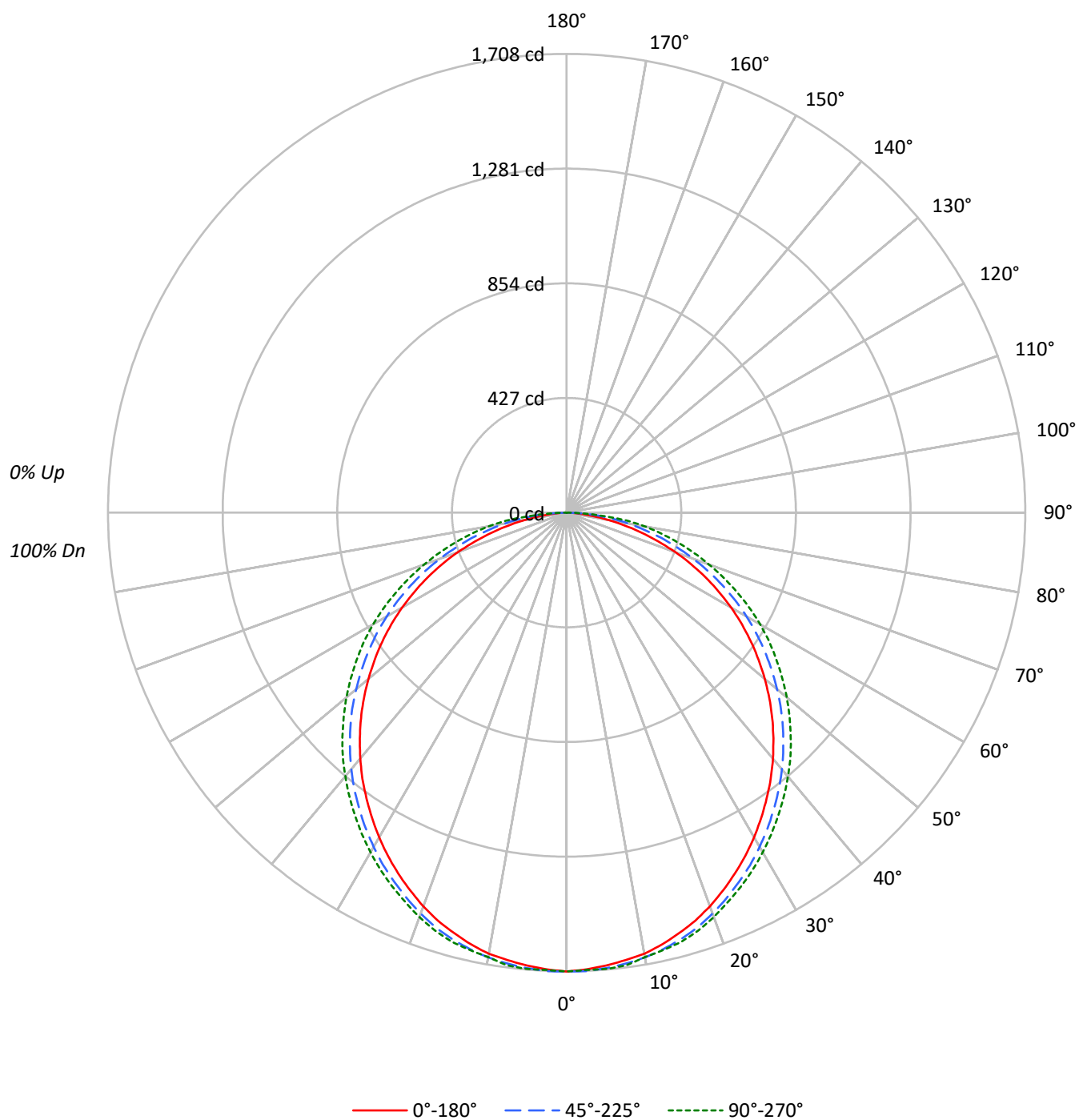
Lumens per Lamp: N/A
Luminaire Lumens: 4970.0 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1.88' x L: 1.83' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1587754

CATALOG NUMBER: 22CZSP-SB-52-L835-S

Luminous Intensity Polar Plot



TEST NUMBER: P1587754

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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	94	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	69
3	89	79	70	64	87	77	69	63	74	67	62		71	66	61		69	64	60	58
4	82	70	61	54	79	68	60	53	66	58	53		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	45	39		50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	38	32	58	45	37	31	44	37	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5350	5350	5350
5°	5320	5350	5360
10°	5303	5348	5344
15°	5254	5331	5362
20°	5198	5294	5341
25°	5123	5242	5308
30°	5049	5195	5281
35°	4966	5146	5256
40°	4886	5100	5240
45°	4796	5047	5227
50°	4693	4984	5213
55°	4576	4920	5207
60°	4433	4848	5209
65°	4230	4745	5181
70°	3954	4601	5168
75°	3505	4424	5187
80°	2853	4203	5341
85°	1843	3880	4610

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 5412 cd/sqm

TEST NUMBER: P1587754

CATALOG NUMBER: 22CZSP-SB-52-L835-S

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.7	3.3
10°-20°	463.0	9.3
20°-30°	698.1	14.0
30°-40°	840.0	16.9
40°-50°	876.2	17.6
50°-60°	803.1	16.2
60°-70°	630.6	12.7
70°-80°	383.8	7.7
80°-90°	113.5	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°	1322.8	26.6
0°-40°	2162.7	43.5
0°-60°	3842.0	77.3
0°-90°	4970.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4970.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1708	1708	1708	1708	1708	
5°	1692	1703	1702	1700	1705	161
15°	1621	1637	1644	1646	1654	457
25°	1483	1503	1517	1527	1536	683
35°	1299	1319	1346	1365	1375	813
45°	1083	1106	1140	1166	1180	835
55°	838	860	901	938	954	749
65°	571	592	640	683	699	565
75°	290	316	366	410	429	307
85°	51	73	108	121	128	67
90°	0	0	0	0	0	

TEST NUMBER: P1587754

CATALOG NUMBER: 22CZSP-SB-52-L835-S

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1708.5	1708.5	1708.5	1708.5	1708.5
2.5°	1702.1	1710.7	1708.5	1701.0	1704.2
5°	1692.5	1703.2	1702.1	1700.0	1705.3
7.5°	1680.7	1692.5	1693.5	1693.5	1700.0
10°	1667.9	1679.6	1681.8	1678.6	1680.7
12.5°	1646.5	1660.4	1664.7	1664.7	1667.9
15°	1620.8	1636.9	1644.4	1646.5	1654.0
17.5°	1593.0	1610.2	1619.8	1625.1	1631.5
20°	1559.9	1578.1	1588.8	1595.2	1602.7
22.5°	1522.5	1542.8	1554.6	1561.0	1569.5
25°	1482.9	1503.2	1517.1	1526.8	1536.4
27.5°	1441.2	1460.5	1479.7	1491.5	1500.0
30°	1396.3	1416.6	1436.9	1451.9	1460.5
32.5°	1348.2	1369.6	1393.1	1409.1	1418.8
35°	1299.0	1319.3	1346.1	1365.3	1374.9
37.5°	1248.8	1270.2	1298.0	1318.3	1330.0
40°	1195.3	1217.8	1247.7	1270.2	1281.9
42.5°	1139.7	1161.1	1194.2	1219.9	1233.8
45°	1083.1	1105.5	1139.7	1166.5	1180.4
47.5°	1024.3	1045.6	1083.1	1114.1	1125.8
50°	963.3	983.6	1023.2	1056.3	1070.2
52.5°	901.3	922.7	962.2	997.5	1012.5
55°	838.2	859.6	901.3	937.7	953.7
57.5°	774.1	795.5	838.2	875.6	894.9
60°	707.8	729.2	774.1	812.6	831.8
62.5°	639.4	661.8	707.8	747.3	767.7
65°	570.9	592.3	640.4	683.2	699.2
67.5°	502.5	523.9	570.9	613.7	632.9
70°	431.9	456.5	502.5	547.4	564.5
72.5°	358.2	386.0	431.9	479.0	496.1
75°	289.7	316.5	365.7	409.5	428.7
77.5°	222.4	251.3	297.2	342.1	361.4
80°	158.2	186.0	233.1	275.8	296.2
82.5°	100.5	125.1	172.1	210.6	225.6
85°	51.3	72.7	108.0	120.8	128.3
87.5°	15.0	25.7	38.5	48.1	53.5
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1587754

CATALOG NUMBER: 22CZSP-SB-52-L835-S

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	17.33	18.99	17.69	19.30	19.61	18.06	19.72	18.43	20.04	20.35
	3H	19.09	20.60	19.47	20.93	21.29	20.14	21.65	20.52	21.97	22.33
	4H	19.71	21.13	20.11	21.48	21.86	21.01	22.43	21.40	22.77	23.15
	6H	20.12	21.44	20.53	21.80	22.19	21.75	23.07	22.16	23.43	23.82
	8H	20.23	21.49	20.65	21.87	22.27	22.05	23.31	22.47	23.69	24.09
	12H	20.27	21.48	20.70	21.86	22.29	22.24	23.45	22.67	23.83	24.26
4H	2H	18.10	19.51	18.49	19.86	20.24	18.67	20.09	19.06	20.43	20.81
	3H	20.09	21.28	20.49	21.68	22.08	20.98	22.17	21.39	22.57	22.97
	4H	20.83	21.91	21.26	22.32	22.76	22.00	23.08	22.43	23.49	23.93
	6H	21.36	22.31	21.81	22.75	23.20	22.90	23.85	23.36	24.29	24.75
	8H	21.50	22.39	21.96	22.83	23.29	23.27	24.16	23.73	24.60	25.06
	12H	21.58	22.38	22.06	22.85	23.32	23.52	24.32	24.00	24.80	25.27
8H	4H	21.27	22.16	21.73	22.60	23.07	22.29	23.18	22.75	23.63	24.09
	6H	21.94	22.68	22.43	23.17	23.64	23.35	24.09	23.84	24.58	25.06
	8H	22.15	22.81	22.65	23.32	23.80	23.82	24.49	24.33	25.00	25.48
	12H	22.28	22.87	22.79	23.36	23.92	24.18	24.77	24.68	25.26	25.81
12H	4H	21.35	22.16	21.83	22.63	23.10	22.32	23.12	22.80	23.60	24.06
	6H	22.06	22.73	22.57	23.23	23.72	23.40	24.07	23.91	24.58	25.06
	8H	22.34	22.93	22.84	23.42	23.98	23.94	24.53	24.45	25.02	25.58