

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: P1587761

Luminaire Tested: 22CZSP-SB-52-L850

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587761
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-L850
Description: 2x2 CZSP LED Luminaire, 5000K CCT and 5000 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

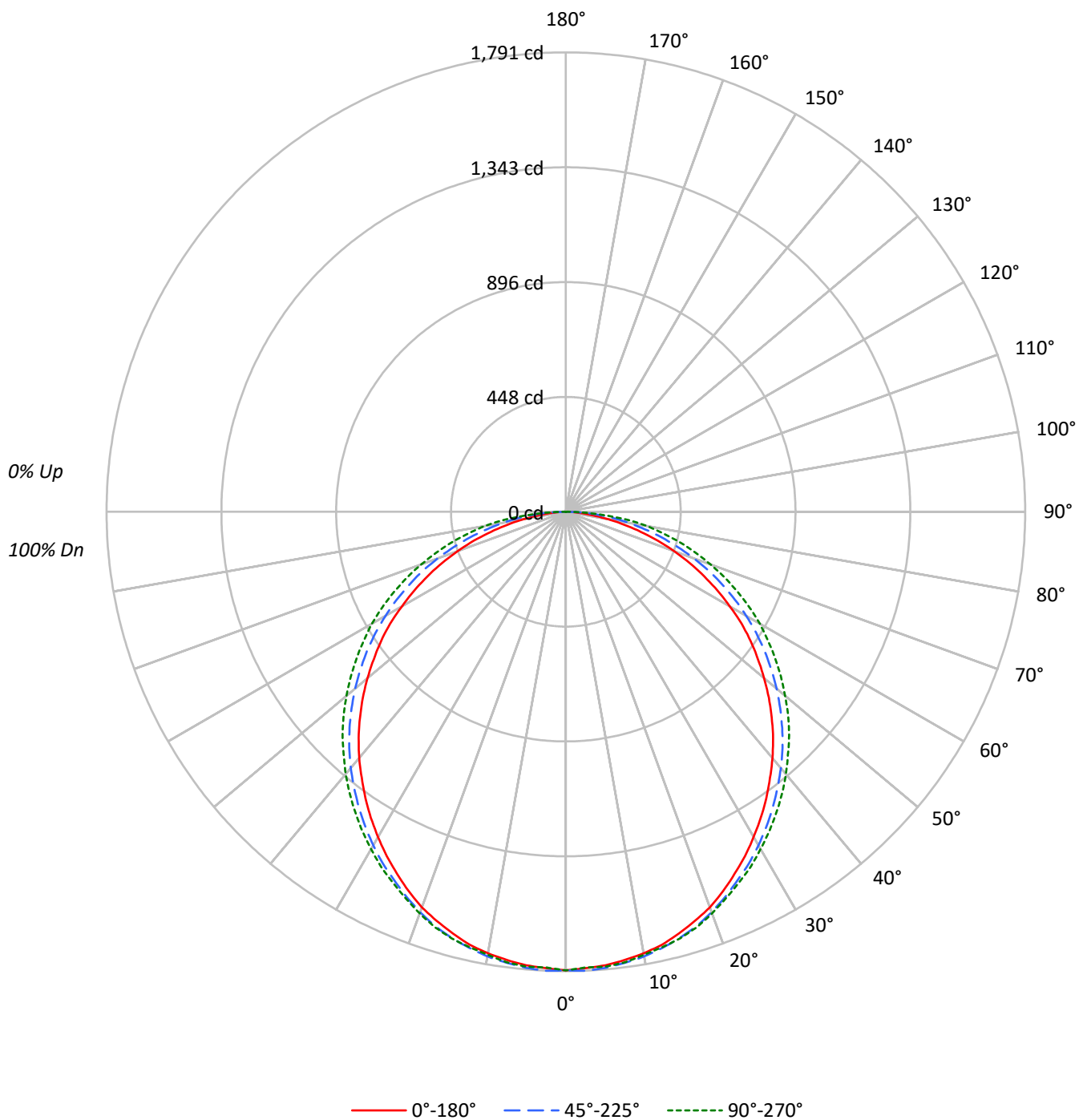
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5218.0 lumens
Efficiency: N/A
Efficacy: 140.3 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°	5599	5599	5599
5°	5578	5610	5596
10°	5559	5597	5576
15°	5517	5574	5581
20°	5469	5535	5553
25°	5380	5476	5514
30°	5295	5431	5491
35°	5209	5378	5471
40°	5124	5332	5458
45°	5028	5282	5453
50°	4917	5224	5439
55°	4805	5167	5439
60°	4627	5090	5471
65°	4411	4992	5474
70°	4115	4853	5490
75°	3661	4676	5585
80°	3008	4481	5796
85°	1983	4207	5238

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 5935 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.1	3.2
10°-20°	484.1	9.3
20°-30°	729.7	14.0
30°-40°	878.7	16.8
40°-50°	918.0	17.6
50°-60°	843.4	16.2
60°-70°	664.2	12.7
70°-80°	407.2	7.8
80°-90°	123.5	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°	1382.9	26.5
0°-40°	2261.7	43.3
0°-60°	4023.2	77.1
0°-90°	5218.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5218.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1788	1788	1788	1788	1788	
5°	1775	1778	1785	1782	1780	169
15°	1702	1708	1720	1726	1722	480
25°	1557	1567	1585	1601	1596	718
35°	1363	1380	1407	1432	1431	852
45°	1135	1160	1193	1226	1231	876
55°	880	906	946	987	996	785
65°	595	626	674	719	739	588
75°	303	338	386	433	462	322
85°	55	82	117	130	146	71
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1788.0	1788.0	1788.0	1788.0	1788.0
2.5°	1781.4	1785.8	1791.3	1782.5	1778.1
5°	1774.7	1778.1	1784.7	1782.5	1780.3
7.5°	1762.6	1764.8	1773.6	1773.6	1771.4
10°	1748.2	1752.7	1760.4	1759.3	1753.8
12.5°	1729.5	1732.8	1741.6	1741.6	1738.3
15°	1701.9	1708.5	1719.5	1726.2	1721.7
17.5°	1673.1	1679.8	1694.1	1700.8	1698.5
20°	1641.1	1646.6	1661.0	1670.9	1666.5
22.5°	1601.4	1608.0	1624.6	1635.6	1631.2
25°	1557.2	1567.1	1584.8	1601.4	1595.8
27.5°	1513.0	1524.1	1546.1	1562.7	1560.5
30°	1464.4	1478.8	1502.0	1522.9	1518.5
32.5°	1414.7	1431.3	1455.6	1477.7	1476.6
35°	1362.8	1380.5	1407.0	1432.4	1431.3
37.5°	1307.6	1328.6	1356.2	1383.8	1384.9
40°	1253.5	1273.4	1304.3	1334.1	1335.2
42.5°	1196.0	1217.0	1250.2	1281.1	1282.2
45°	1135.3	1159.6	1192.7	1225.9	1231.4
47.5°	1073.5	1098.9	1133.1	1168.4	1175.1
50°	1009.4	1035.9	1072.4	1109.9	1116.5
52.5°	944.2	971.9	1009.4	1047.0	1056.9
55°	880.2	905.6	946.5	987.3	996.2
57.5°	812.8	836.0	880.2	923.3	934.3
60°	738.8	767.5	812.8	855.9	873.6
62.5°	667.0	698.0	744.4	787.4	807.3
65°	595.3	626.2	673.7	719.0	738.8
67.5°	522.4	554.4	605.2	648.3	670.4
70°	449.5	481.5	530.1	576.5	599.7
72.5°	376.6	410.8	458.3	505.8	529.0
75°	302.6	337.9	386.5	432.9	461.6
77.5°	233.0	267.3	315.9	363.3	387.6
80°	166.8	201.0	248.5	296.0	321.4
82.5°	106.0	138.0	184.4	224.2	247.4
85°	55.2	81.7	117.1	130.3	145.8
87.5°	16.6	32.0	45.3	50.8	62.9
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	17.50	19.16	17.86	19.47	19.79	18.24	19.91	18.61	20.22	20.54
	3H	19.26	20.77	19.64	21.09	21.45	20.34	21.85	20.72	22.17	22.53
	4H	19.89	21.31	20.28	21.65	22.03	21.22	22.65	21.62	22.99	23.37
	6H	20.30	21.62	20.71	21.98	22.37	21.99	23.31	22.40	23.68	24.07
	8H	20.40	21.67	20.83	22.06	22.45	22.30	23.57	22.73	23.95	24.35
	12H	20.46	21.67	20.88	22.05	22.48	22.52	23.73	22.94	24.11	24.54
4H	2H	18.27	19.69	18.67	20.04	20.41	18.85	20.27	19.25	20.62	20.99
	3H	20.26	21.46	20.67	21.86	22.26	21.18	22.37	21.59	22.77	23.17
	4H	21.02	22.10	21.45	22.51	22.95	22.21	23.30	22.64	23.71	24.14
	6H	21.55	22.50	22.00	22.94	23.40	23.14	24.09	23.59	24.53	24.99
	8H	21.70	22.59	22.16	23.03	23.50	23.53	24.42	23.98	24.86	25.32
	12H	21.79	22.59	22.26	23.06	23.53	23.80	24.61	24.28	25.08	25.55
8H	4H	21.47	22.36	21.93	22.80	23.27	22.51	23.40	22.97	23.84	24.31
	6H	22.15	22.89	22.64	23.38	23.85	23.60	24.34	24.09	24.83	25.30
	8H	22.37	23.03	22.87	23.54	24.02	24.08	24.75	24.59	25.26	25.74
	12H	22.51	23.11	23.02	23.59	24.15	24.46	25.05	24.96	25.54	26.10
12H	4H	21.55	22.36	22.03	22.83	23.30	22.54	23.34	23.02	23.82	24.29
	6H	22.27	22.94	22.78	23.45	23.93	23.65	24.32	24.15	24.82	25.31
	8H	22.56	23.16	23.07	23.65	24.20	24.20	24.79	24.71	25.28	25.84