

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: P1587803

Luminaire Tested: 22CZSP-SB-57HE-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587803
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-57HE-L930
Description: 2x2 CZSP LED Luminaire, 3000K CCT and 5700 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

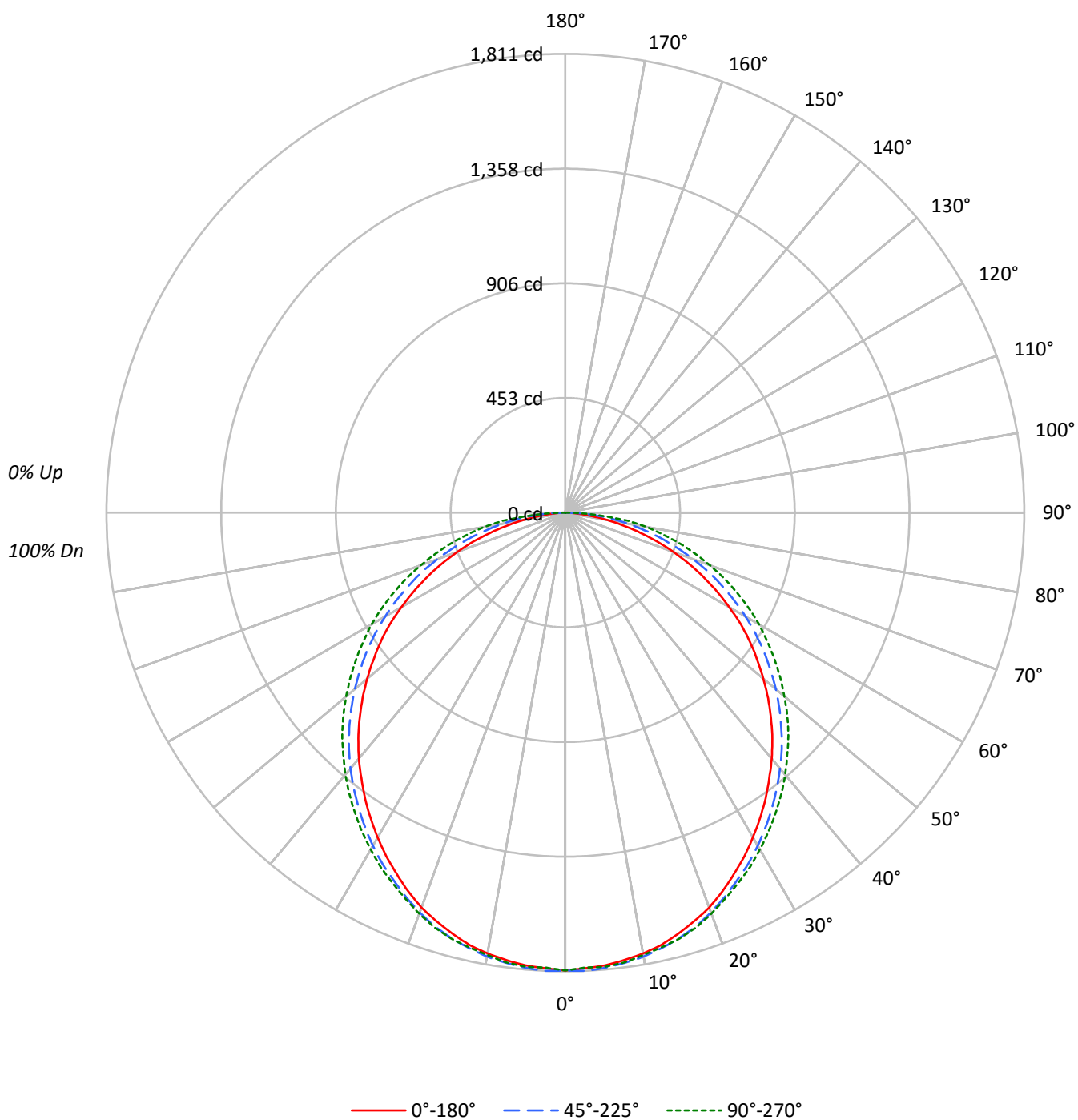
Lumens per Lamp: N/A
Luminaire Lumens: 5276.0 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.88' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 38.9
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°	5661	5661	5661
5°	5641	5672	5658
10°	5621	5660	5638
15°	5578	5636	5644
20°	5530	5597	5615
25°	5440	5536	5575
30°	5354	5491	5552
35°	5268	5438	5532
40°	5181	5391	5518
45°	5083	5341	5514
50°	4972	5282	5499
55°	4859	5225	5499
60°	4678	5147	5532
65°	4460	5047	5535
70°	4161	4907	5551
75°	3702	4728	5648
80°	3040	4530	5859
85°	2005	4254	5296

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 6000 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.0	3.2
10°-20°	489.5	9.3
20°-30°	737.8	14.0
30°-40°	888.5	16.8
40°-50°	928.2	17.6
50°-60°	852.8	16.2
60°-70°	671.6	12.7
70°-80°	411.7	7.8
80°-90°	124.8	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°	1398.3	26.5
0°-40°	2286.8	43.3
0°-60°	4067.9	77.1
0°-90°	5276.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5276.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1808	1808	1808	1808	1808	
5°	1794	1798	1804	1802	1800	170
15°	1721	1728	1739	1745	1741	486
25°	1574	1584	1602	1619	1614	726
35°	1378	1396	1423	1448	1447	862
45°	1148	1172	1206	1240	1245	885
55°	890	916	957	998	1007	794
65°	602	633	681	727	747	595
75°	306	342	391	438	467	325
85°	56	83	118	132	147	72
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1807.9	1807.9	1807.9	1807.9	1807.9
2.5°	1801.2	1805.6	1811.2	1802.3	1797.8
5°	1794.5	1797.8	1804.5	1802.3	1800.1
7.5°	1782.2	1784.4	1793.4	1793.4	1791.1
10°	1767.7	1772.1	1780.0	1778.8	1773.3
12.5°	1748.7	1752.0	1761.0	1761.0	1757.6
15°	1720.8	1727.5	1738.6	1745.3	1740.9
17.5°	1691.7	1698.4	1713.0	1719.7	1717.4
20°	1659.4	1664.9	1679.5	1689.5	1685.0
22.5°	1619.2	1625.9	1642.6	1653.8	1649.3
25°	1574.5	1584.5	1602.4	1619.2	1613.6
27.5°	1529.8	1541.0	1563.3	1580.1	1577.8
30°	1480.7	1495.2	1518.7	1539.9	1535.4
32.5°	1430.4	1447.2	1471.8	1494.1	1493.0
35°	1378.0	1395.8	1422.6	1448.3	1447.2
37.5°	1322.1	1343.3	1371.3	1399.2	1400.3
40°	1267.4	1287.5	1318.8	1348.9	1350.0
42.5°	1209.3	1230.6	1264.1	1295.3	1296.4
45°	1147.9	1172.5	1206.0	1239.5	1245.1
47.5°	1085.4	1111.1	1145.7	1181.4	1188.1
50°	1020.6	1047.4	1084.3	1122.2	1128.9
52.5°	954.7	982.7	1020.6	1058.6	1068.6
55°	890.0	915.7	957.0	998.3	1007.2
57.5°	821.9	845.3	890.0	933.5	944.7
60°	747.0	776.1	821.9	865.4	883.3
62.5°	674.5	705.7	752.6	796.2	816.3
65°	601.9	633.1	681.2	726.9	747.0
67.5°	528.2	560.6	611.9	655.5	677.8
70°	454.5	486.9	536.0	582.9	606.3
72.5°	380.8	415.4	463.4	511.4	534.9
75°	306.0	341.7	390.8	437.7	466.8
77.5°	235.6	270.2	319.4	367.4	391.9
80°	168.6	203.2	251.2	299.3	324.9
82.5°	107.2	139.6	186.5	226.7	250.1
85°	55.8	82.6	118.4	131.8	147.4
87.5°	16.7	32.4	45.8	51.4	63.6
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	17.54	19.20	17.90	19.51	19.83	18.28	19.95	18.65	20.26	20.57
	3H	19.30	20.81	19.68	21.13	21.49	20.38	21.89	20.75	22.21	22.57
	4H	19.92	21.35	20.32	21.69	22.07	21.26	22.69	21.66	23.03	23.41
	6H	20.34	21.66	20.75	22.02	22.41	22.03	23.35	22.44	23.71	24.10
	8H	20.44	21.71	20.87	22.09	22.49	22.34	23.60	22.76	23.99	24.39
	12H	20.49	21.70	20.92	22.09	22.51	22.55	23.76	22.98	24.15	24.57
4H	2H	18.31	19.73	18.70	20.08	20.45	18.89	20.31	19.28	20.66	21.03
	3H	20.30	21.50	20.71	21.89	22.29	21.21	22.41	21.62	22.81	23.21
	4H	21.05	22.14	21.48	22.55	22.99	22.25	23.34	22.68	23.75	24.18
	6H	21.59	22.54	22.04	22.98	23.44	23.18	24.13	23.63	24.57	25.03
	8H	21.74	22.63	22.20	23.07	23.54	23.56	24.46	24.02	24.90	25.36
	12H	21.82	22.63	22.30	23.10	23.57	23.84	24.64	24.32	25.12	25.59
8H	4H	21.51	22.40	21.97	22.84	23.30	22.55	23.44	23.01	23.88	24.35
	6H	22.18	22.93	22.68	23.41	23.89	23.63	24.38	24.13	24.86	25.34
	8H	22.40	23.07	22.91	23.58	24.06	24.12	24.79	24.63	25.29	25.78
	12H	22.55	23.14	23.06	23.63	24.19	24.50	25.09	25.00	25.58	26.14
12H	4H	21.59	22.39	22.07	22.87	23.34	22.58	23.38	23.06	23.86	24.32
	6H	22.31	22.98	22.82	23.49	23.97	23.69	24.36	24.19	24.86	25.35
	8H	22.60	23.19	23.11	23.68	24.24	24.24	24.83	24.74	25.32	25.88