

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: P1587807

Luminaire Tested: 22CZSP-SB-57HE-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587807
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-L940
Description: 2x2 CZSP LED Luminaire, 4000K CCT and 5700 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

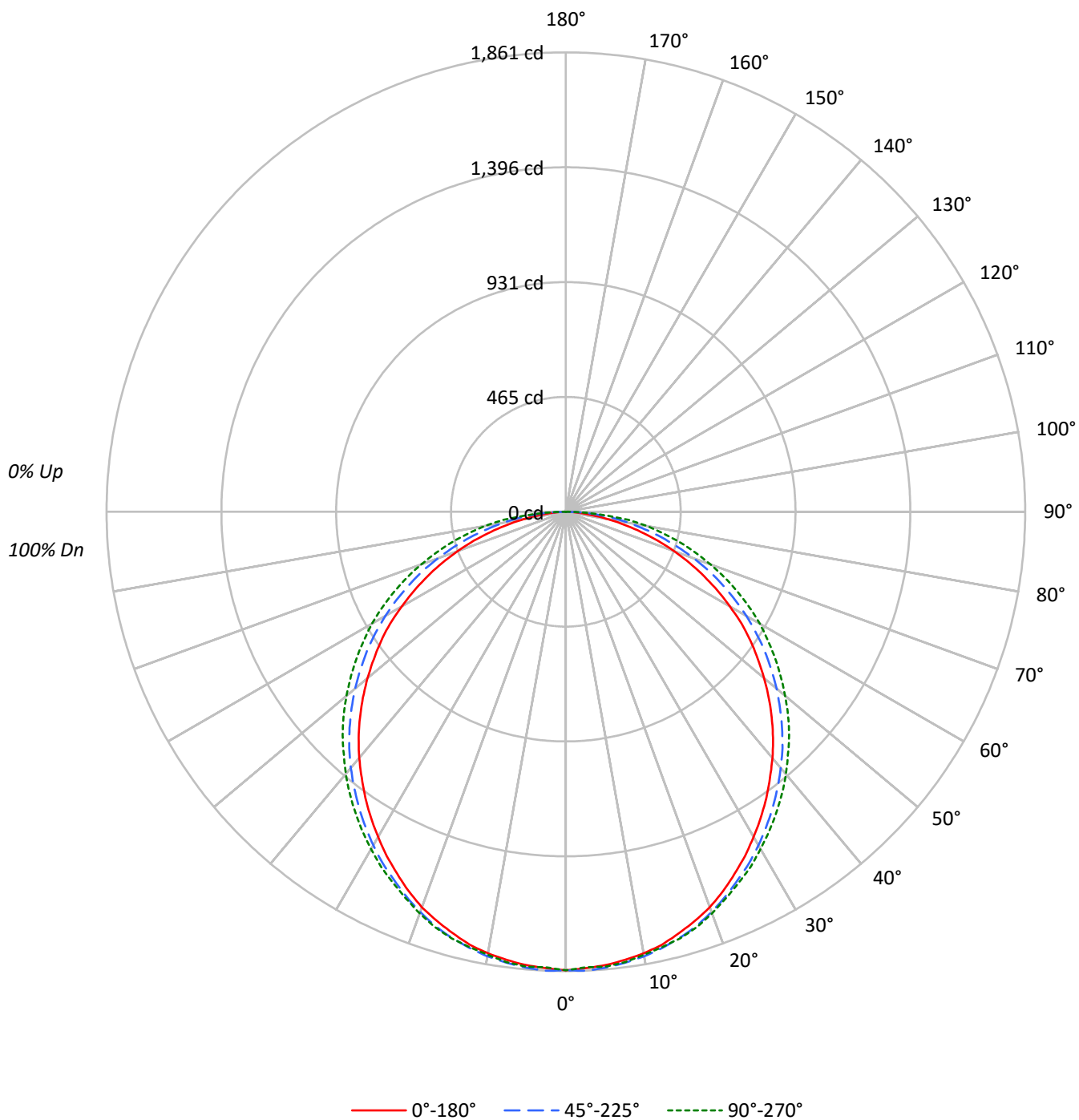
Lumens per Lamp: N/A
Luminaire Lumens: 5421.0 lumens
Efficiency: N/A
Efficacy: 139.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.88' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	5817	5817	5817
5°	5796	5828	5814
10°	5775	5815	5793
15°	5732	5791	5799
20°	5682	5750	5770
25°	5590	5688	5728
30°	5501	5642	5704
35°	5412	5588	5684
40°	5323	5539	5670
45°	5223	5487	5665
50°	5109	5427	5651
55°	4992	5368	5650
60°	4807	5288	5684
65°	4582	5186	5687
70°	4276	5042	5704
75°	3804	4859	5802
80°	3123	4656	6021
85°	2062	4369	5443

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 6165 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.7	3.2
10°-20°	503.0	9.3
20°-30°	758.1	14.0
30°-40°	912.9	16.8
40°-50°	953.8	17.6
50°-60°	876.2	16.2
60°-70°	690.0	12.7
70°-80°	423.1	7.8
80°-90°	128.3	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°	1436.7	26.5
0°-40°	2349.7	43.3
0°-60°	4179.7	77.1
0°-90°	5421.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5421.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1858	1858	1858	1858	1858	
5°	1844	1847	1854	1852	1850	175
15°	1768	1775	1786	1793	1789	499
25°	1618	1628	1646	1664	1658	746
35°	1416	1434	1462	1488	1487	886
45°	1180	1205	1239	1274	1279	910
55°	914	941	983	1026	1035	816
65°	618	650	700	747	768	611
75°	314	351	402	450	480	334
85°	57	85	122	135	152	74
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1857.6	1857.6	1857.6	1857.6	1857.6
2.5°	1850.7	1855.3	1861.0	1851.8	1847.2
5°	1843.8	1847.2	1854.1	1851.8	1849.5
7.5°	1831.2	1833.5	1842.6	1842.6	1840.3
10°	1816.3	1820.8	1828.9	1827.7	1822.0
12.5°	1796.8	1800.2	1809.4	1809.4	1805.9
15°	1768.1	1775.0	1786.4	1793.3	1788.7
17.5°	1738.2	1745.1	1760.0	1766.9	1764.6
20°	1705.0	1710.7	1725.6	1735.9	1731.4
22.5°	1663.7	1670.5	1687.8	1699.2	1694.6
25°	1617.8	1628.1	1646.4	1663.7	1657.9
27.5°	1571.9	1583.3	1606.3	1623.5	1621.2
30°	1521.4	1536.3	1560.4	1582.2	1577.6
32.5°	1469.8	1487.0	1512.2	1535.2	1534.0
35°	1415.8	1434.2	1461.7	1488.1	1487.0
37.5°	1358.5	1380.3	1408.9	1437.6	1438.8
40°	1302.2	1322.9	1355.0	1386.0	1387.1
42.5°	1242.6	1264.4	1298.8	1330.9	1332.1
45°	1179.5	1204.7	1239.1	1273.6	1279.3
47.5°	1115.2	1141.6	1177.2	1213.9	1220.8
50°	1048.7	1076.2	1114.1	1153.1	1160.0
52.5°	981.0	1009.7	1048.7	1087.7	1098.0
55°	914.4	940.8	983.3	1025.7	1034.9
57.5°	844.4	868.5	914.4	959.2	970.7
60°	767.6	797.4	844.4	889.2	907.6
62.5°	693.0	725.1	773.3	818.1	838.7
65°	618.4	650.5	699.9	746.9	767.6
67.5°	542.7	576.0	628.7	673.5	696.4
70°	467.0	500.2	550.7	598.9	623.0
72.5°	391.2	426.8	476.2	525.5	549.6
75°	314.4	351.1	401.6	449.8	479.6
77.5°	242.1	277.7	328.1	377.5	402.7
80°	173.2	208.8	258.2	307.5	333.9
82.5°	110.1	143.4	191.6	232.9	257.0
85°	57.4	84.9	121.6	135.4	151.5
87.5°	17.2	33.3	47.0	52.8	65.4
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	17.63	19.29	18.00	19.61	19.92	18.38	20.04	18.74	20.35	20.67
	3H	19.39	20.90	19.77	21.23	21.59	20.47	21.98	20.85	22.31	22.67
	4H	20.02	21.44	20.42	21.79	22.16	21.36	22.78	21.75	23.13	23.50
	6H	20.43	21.75	20.84	22.11	22.50	22.12	23.44	22.53	23.81	24.20
	8H	20.54	21.80	20.96	22.19	22.59	22.44	23.70	22.86	24.09	24.48
	12H	20.59	21.80	21.02	22.18	22.61	22.65	23.86	23.08	24.24	24.67
4H	2H	18.40	19.82	18.80	20.17	20.55	18.98	20.40	19.38	20.75	21.13
	3H	20.39	21.59	20.80	21.99	22.39	21.31	22.51	21.72	22.90	23.30
	4H	21.15	22.23	21.58	22.65	23.08	22.34	23.43	22.77	23.84	24.28
	6H	21.68	22.64	22.14	23.08	23.53	23.27	24.23	23.73	24.67	25.12
	8H	21.83	22.72	22.29	23.17	23.63	23.66	24.55	24.12	24.99	25.46
	12H	21.92	22.72	22.40	23.20	23.66	23.93	24.74	24.41	25.21	25.68
8H	4H	21.60	22.49	22.06	22.93	23.40	22.64	23.54	23.10	23.98	24.44
	6H	22.28	23.02	22.77	23.51	23.98	23.73	24.47	24.22	24.96	25.43
	8H	22.50	23.17	23.01	23.67	24.16	24.22	24.88	24.72	25.39	25.87
	12H	22.65	23.24	23.15	23.73	24.29	24.59	25.18	25.10	25.67	26.23
12H	4H	21.68	22.49	22.16	22.96	23.43	22.67	23.48	23.15	23.95	24.42
	6H	22.41	23.08	22.91	23.58	24.06	23.78	24.45	24.29	24.96	25.44
	8H	22.70	23.29	23.20	23.78	24.34	24.33	24.93	24.84	25.42	25.97