

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: P1587793

Luminaire Tested: 22CZSP-SB-57HE-L830

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587793
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-L830
Description: 2x2 CZSP LED Luminaire, 3000K CCT and 5700 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

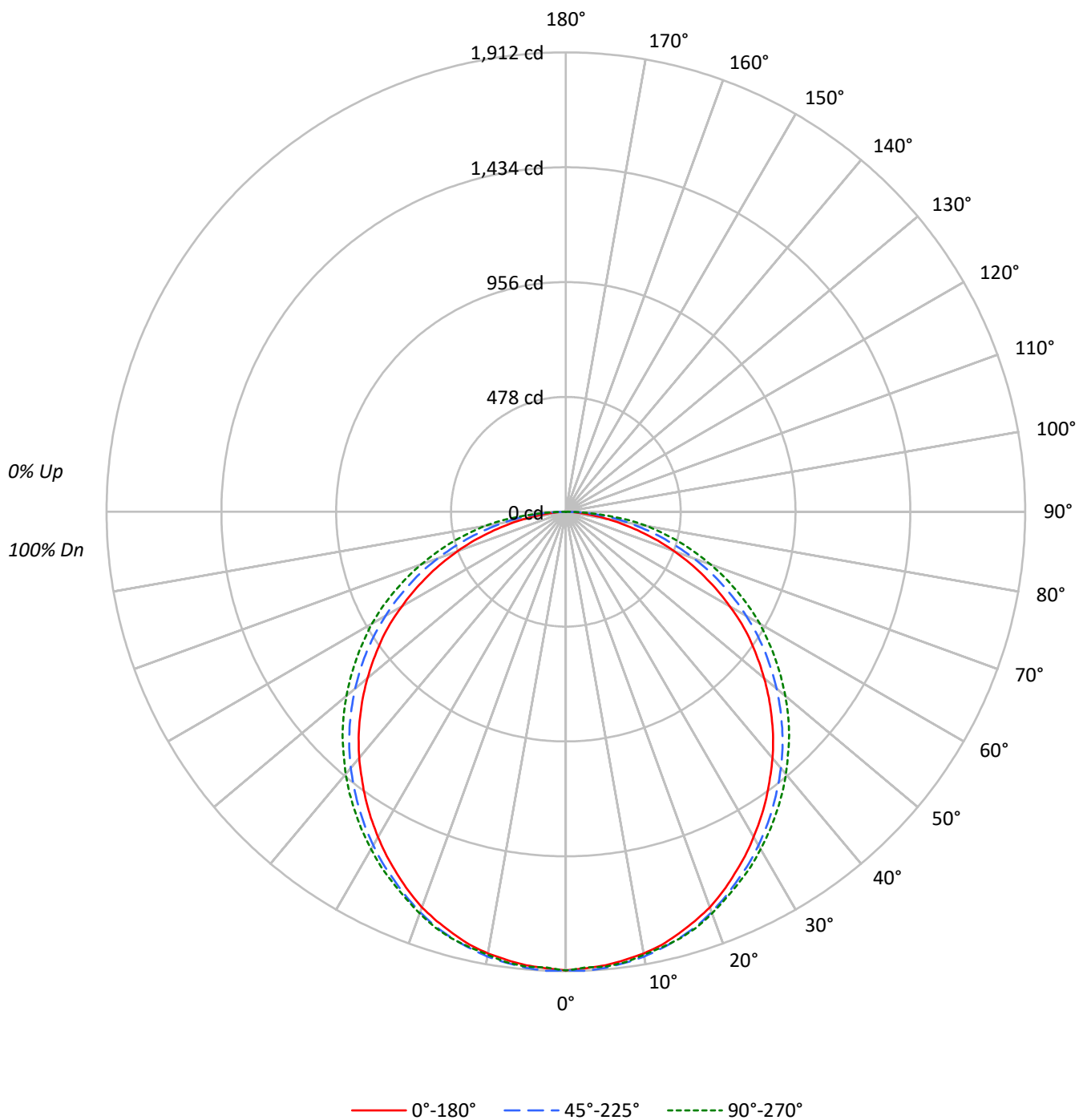
Lumens per Lamp: N/A
Luminaire Lumens: 5571.0 lumens
Efficiency: N/A
Efficacy: 143.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.88' x L: 1.83' x H: 0')
CIE Type: Direct

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
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°	5978	5978	5978
5°	5956	5989	5974
10°	5935	5976	5954
15°	5890	5952	5959
20°	5839	5909	5929
25°	5744	5846	5887
30°	5653	5798	5862
35°	5562	5742	5841
40°	5471	5692	5827
45°	5368	5639	5822
50°	5250	5577	5807
55°	5130	5517	5806
60°	4940	5435	5841
65°	4709	5329	5844
70°	4394	5182	5861
75°	3909	4993	5963
80°	3210	4784	6187
85°	2120	4491	5590

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 6336 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.6	3.2
10°-20°	516.9	9.3
20°-30°	779.1	14.0
30°-40°	938.2	16.8
40°-50°	980.2	17.6
50°-60°	900.5	16.2
60°-70°	709.1	12.7
70°-80°	434.7	7.8
80°-90°	131.8	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°	1476.5	26.5
0°-40°	2414.7	43.3
0°-60°	4295.3	77.1
0°-90°	5571.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5571.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1909	1909	1909	1909	1909	
5°	1895	1898	1905	1903	1901	180
15°	1817	1824	1836	1843	1838	513
25°	1662	1673	1692	1710	1704	766
35°	1455	1474	1502	1529	1528	910
45°	1212	1238	1273	1309	1315	935
55°	940	967	1010	1054	1064	838
65°	636	668	719	768	789	628
75°	323	361	413	462	493	343
85°	59	87	125	139	156	76
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1909.0	1909.0	1909.0	1909.0	1909.0
2.5°	1901.9	1906.6	1912.5	1903.1	1898.3
5°	1894.8	1898.3	1905.4	1903.1	1900.7
7.5°	1881.8	1884.2	1893.6	1893.6	1891.3
10°	1866.5	1871.2	1879.5	1878.3	1872.4
12.5°	1846.5	1850.0	1859.4	1859.4	1855.9
15°	1817.0	1824.1	1835.9	1842.9	1838.2
17.5°	1786.3	1793.4	1808.7	1815.8	1813.5
20°	1752.1	1758.0	1773.4	1784.0	1779.3
22.5°	1709.7	1716.8	1734.5	1746.2	1741.5
25°	1662.5	1673.1	1692.0	1709.7	1703.8
27.5°	1615.4	1627.2	1650.7	1668.4	1666.1
30°	1563.5	1578.8	1603.6	1626.0	1621.3
32.5°	1510.4	1528.1	1554.1	1577.6	1576.5
35°	1455.0	1473.9	1502.2	1529.3	1528.1
37.5°	1396.1	1418.5	1447.9	1477.4	1478.6
40°	1338.3	1359.5	1392.5	1424.3	1425.5
42.5°	1277.0	1299.4	1334.7	1367.8	1368.9
45°	1212.1	1238.1	1273.4	1308.8	1314.7
47.5°	1146.1	1173.2	1209.8	1247.5	1254.6
50°	1077.7	1106.0	1144.9	1185.0	1192.1
52.5°	1008.1	1037.6	1077.7	1117.8	1128.4
55°	939.7	966.9	1010.5	1054.1	1063.5
57.5°	867.8	892.6	939.7	985.7	997.5
60°	788.8	819.5	867.8	913.8	932.7
62.5°	712.2	745.2	794.7	840.7	861.9
65°	635.5	668.5	719.2	767.6	788.8
67.5°	557.7	591.9	646.1	692.1	715.7
70°	479.9	514.1	566.0	615.5	640.2
72.5°	402.1	438.6	489.3	540.0	564.8
75°	323.1	360.8	412.7	462.2	492.9
77.5°	248.8	285.3	337.2	387.9	413.9
80°	178.0	214.6	265.3	316.0	343.1
82.5°	113.2	147.4	196.9	239.4	264.1
85°	59.0	87.3	125.0	139.1	155.6
87.5°	17.7	34.2	48.3	54.2	67.2
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	17.73	19.39	18.09	19.70	20.02	18.47	20.13	18.84	20.45	20.76
	3H	19.49	21.00	19.86	21.32	21.68	20.57	22.07	20.94	22.40	22.76
	4H	20.11	21.54	20.51	21.88	22.26	21.45	22.87	21.85	23.22	23.60
	6H	20.53	21.85	20.94	22.21	22.60	22.22	23.54	22.63	23.90	24.29
	8H	20.63	21.89	21.06	22.28	22.68	22.53	23.79	22.95	24.18	24.58
	12H	20.68	21.89	21.11	22.28	22.70	22.74	23.95	23.17	24.34	24.76
4H	2H	18.50	19.92	18.89	20.27	20.64	19.08	20.50	19.47	20.85	21.22
	3H	20.49	21.69	20.90	22.08	22.48	21.40	22.60	21.81	23.00	23.40
	4H	21.24	22.33	21.67	22.74	23.18	22.44	23.53	22.87	23.94	24.37
	6H	21.78	22.73	22.23	23.17	23.63	23.37	24.32	23.82	24.76	25.21
	8H	21.93	22.82	22.39	23.26	23.72	23.75	24.65	24.21	25.09	25.55
	12H	22.01	22.82	22.49	23.29	23.76	24.03	24.83	24.51	25.31	25.77
8H	4H	21.70	22.59	22.15	23.03	23.49	22.74	23.63	23.20	24.07	24.54
	6H	22.37	23.12	22.86	23.60	24.08	23.82	24.57	24.31	25.05	25.53
	8H	22.59	23.26	23.10	23.77	24.25	24.31	24.98	24.82	25.48	25.97
	12H	22.74	23.33	23.25	23.82	24.38	24.69	25.28	25.19	25.77	26.33
12H	4H	21.78	22.58	22.26	23.06	23.53	22.77	23.57	23.25	24.04	24.51
	6H	22.50	23.17	23.01	23.68	24.16	23.87	24.55	24.38	25.05	25.53
	8H	22.79	23.38	23.30	23.87	24.43	24.43	25.02	24.93	25.51	26.07