

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: P1586770

Luminaire Tested: 22CZSP-A-57HE-L950-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1586770
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CZSP-A-57HE-L950-S
Description: 2x2 CZSP LED Luminaire, 5000K CCT and 5700 lumens, 90CRI, Smooth Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

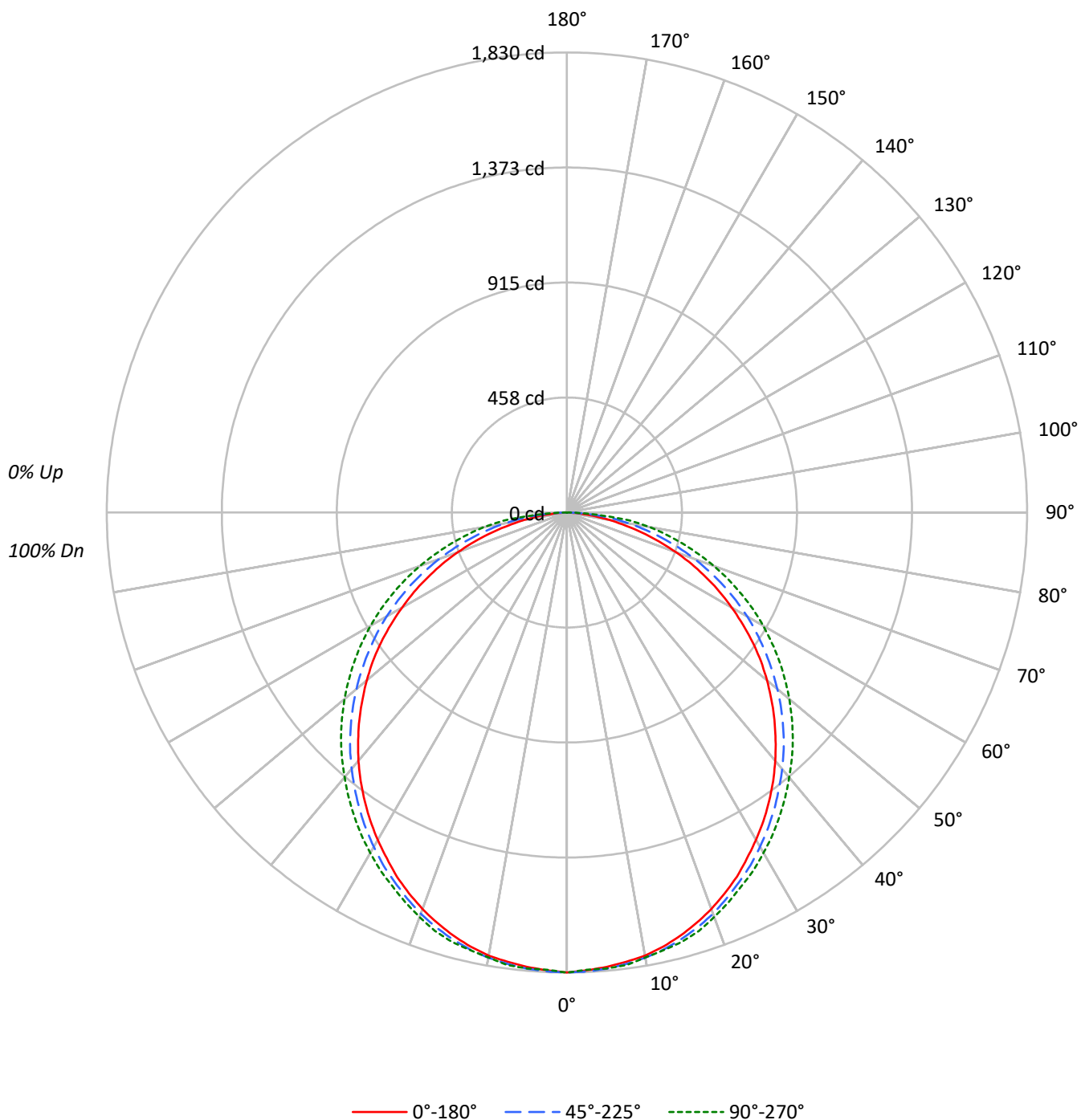
Lumens per Lamp: N/A
Luminaire Lumens: 5342.0 lumens
Efficiency: N/A
Efficacy: 137.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.88' x L: 1.83' x H: 0')
CIE Type: Direct

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	69
3	89	79	70	64	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°	5730	5730	5730
5°	5703	5726	5722
10°	5691	5717	5714
15°	5650	5696	5731
20°	5594	5660	5707
25°	5524	5601	5670
30°	5438	5552	5654
35°	5359	5498	5637
40°	5271	5443	5621
45°	5170	5388	5627
50°	5060	5322	5625
55°	4928	5247	5631
60°	4742	5190	5645
65°	4525	5089	5663
70°	4218	4948	5688
75°	3758	4751	5743
80°	3107	4523	6025
85°	2023	4085	5263

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 6216 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.0	3.2
10°-20°	495.5	9.3
20°-30°	747.3	14.0
30°-40°	900.1	16.8
40°-50°	940.0	17.6
50°-60°	863.3	16.2
60°-70°	680.0	12.7
70°-80°	417.2	7.8
80°-90°	125.5	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°	1415.9	26.5
0°-40°	2316.0	43.4
0°-60°	4119.3	77.1
0°-90°	5342.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5342.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1830	1830	1830	1830	1830	
5°	1814	1817	1822	1827	1820	172
15°	1743	1747	1757	1768	1768	492
25°	1599	1602	1621	1641	1641	736
35°	1402	1409	1438	1468	1475	877
45°	1168	1180	1217	1259	1271	900
55°	903	919	961	1015	1032	806
65°	611	632	687	744	764	604
75°	311	335	393	455	475	329
85°	56	77	114	144	146	73
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1829.8	1829.8	1829.8	1829.8	1829.8
2.5°	1822.7	1826.3	1827.4	1828.6	1820.4
5°	1814.5	1816.9	1821.6	1827.4	1820.4
7.5°	1802.8	1805.2	1811.0	1819.2	1815.7
10°	1789.9	1791.1	1798.1	1804.0	1797.0
12.5°	1768.8	1772.3	1780.5	1785.2	1782.9
15°	1743.0	1746.6	1757.1	1767.7	1767.7
17.5°	1712.6	1717.2	1730.1	1744.2	1745.4
20°	1678.6	1682.1	1698.5	1712.6	1712.6
22.5°	1639.9	1644.6	1661.0	1676.2	1678.6
25°	1598.9	1602.4	1621.1	1641.1	1641.1
27.5°	1550.8	1557.8	1581.3	1601.2	1605.9
30°	1503.9	1509.8	1535.6	1560.2	1563.7
32.5°	1454.7	1461.7	1488.7	1515.6	1521.5
35°	1401.9	1409.0	1438.3	1467.6	1474.6
37.5°	1346.8	1355.0	1385.5	1419.5	1426.5
40°	1289.4	1298.8	1331.6	1367.9	1375.0
42.5°	1228.4	1241.3	1276.5	1314.0	1324.6
45°	1167.5	1180.4	1216.7	1258.9	1270.6
47.5°	1103.0	1118.3	1155.8	1200.3	1213.2
50°	1038.6	1053.8	1092.5	1140.5	1154.6
52.5°	972.9	988.2	1028.0	1078.4	1093.6
55°	902.6	919.0	961.2	1015.1	1031.5
57.5°	829.9	851.0	895.5	950.6	967.1
60°	757.2	778.3	828.7	882.7	901.4
62.5°	685.7	705.7	757.2	814.7	834.6
65°	610.7	631.8	686.9	744.3	764.3
67.5°	536.9	558.0	613.1	672.8	693.9
70°	460.7	484.1	540.4	600.2	621.3
72.5°	384.5	409.1	466.5	527.5	547.4
75°	310.6	335.2	392.7	454.8	474.7
77.5°	238.0	264.9	321.2	384.5	403.2
80°	172.3	198.1	250.8	313.0	334.1
82.5°	110.2	132.5	185.2	243.8	259.1
85°	56.3	77.4	113.7	144.2	146.5
87.5°	17.6	24.6	37.5	56.3	57.4
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	17.54	19.21	17.91	19.52	19.83	18.37	20.04	18.74	20.35	20.66
	3H	19.30	20.81	19.68	21.13	21.49	20.49	22.00	20.87	22.32	22.68
	4H	19.92	21.34	20.31	21.69	22.06	21.38	22.80	21.78	23.15	23.52
	6H	20.33	21.65	20.74	22.01	22.40	22.16	23.48	22.57	23.84	24.23
	8H	20.44	21.70	20.86	22.09	22.49	22.48	23.74	22.90	24.13	24.53
	12H	20.49	21.70	20.92	22.08	22.51	22.69	23.90	23.12	24.28	24.71
4H	2H	18.31	19.74	18.71	20.08	20.46	18.96	20.38	19.36	20.73	21.11
	3H	20.29	21.49	20.70	21.89	22.29	21.32	22.51	21.73	22.91	23.31
	4H	21.03	22.12	21.46	22.53	22.96	22.37	23.45	22.80	23.87	24.30
	6H	21.56	22.51	22.01	22.95	23.40	23.32	24.27	23.77	24.71	25.17
	8H	21.70	22.60	22.16	23.04	23.50	23.72	24.61	24.18	25.05	25.52
	12H	21.79	22.59	22.27	23.07	23.53	23.99	24.80	24.47	25.27	25.74
8H	4H	21.49	22.38	21.95	22.82	23.29	22.66	23.55	23.12	23.99	24.45
	6H	22.15	22.89	22.64	23.38	23.85	23.77	24.51	24.26	25.00	25.47
	8H	22.36	23.03	22.87	23.53	24.02	24.28	24.95	24.79	25.45	25.94
	12H	22.50	23.09	23.00	23.58	24.14	24.67	25.26	25.17	25.75	26.31
12H	4H	21.58	22.38	22.06	22.86	23.32	22.68	23.49	23.16	23.96	24.43
	6H	22.28	22.95	22.79	23.46	23.94	23.82	24.49	24.32	24.99	25.48
	8H	22.56	23.15	23.06	23.64	24.20	24.39	24.99	24.90	25.48	26.03