

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: P1586765

Luminaire Tested: 22CZSP-A-57HE-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1586765
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2601-668-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CZSP-A-57HE-L935
Description: 2x2 CZSP LED Luminaire, 3500K CCT and 5700 lumens, 90CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

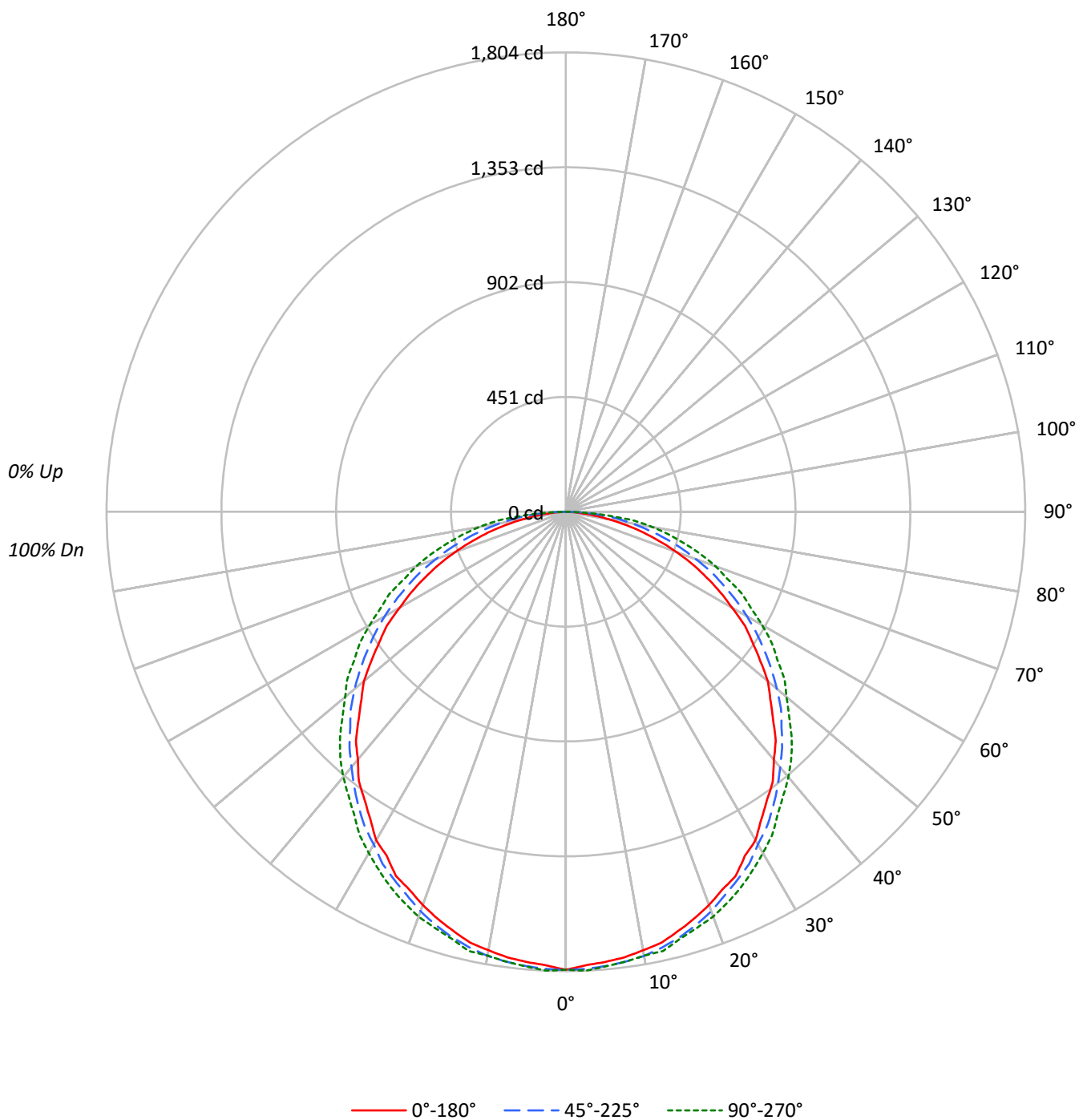
Lumens per Lamp: N/A
Luminaire Lumens: 5298.0 lumens
Efficiency: N/A
Efficacy: 136.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 1.88' x L: 1.83' x H: 0')
CIE Type: Direct

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	105	101	97	93	97	93	90		93	90	87		89	87	85	83
2	98	90	82	76	95	88	81	76	84	79	74		81	76	72		78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62		71	65	60		68	64	59	57
4	82	69	60	53	79	68	59	53	65	58	52		63	57	51		61	55	51	49
5	75	62	53	46	73	61	52	46	58	51	45		56	50	44		55	49	44	42
6	69	56	46	40	67	55	46	40	53	45	39		51	44	39		49	43	39	36
7	64	50	41	35	62	49	41	35	48	40	35		46	40	34		45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31		43	36	31		41	35	31	29
9	56	42	34	28	54	41	34	28	40	33	28		39	33	28		38	32	28	26
10	52	39	31	25	51	38	31	25	37	30	25		36	30	25		35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5632	5632	5632
5°	5577	5628	5633
10°	5560	5632	5627
15°	5526	5605	5626
20°	5476	5562	5638
25°	5453	5509	5621
30°	5385	5455	5595
35°	5271	5420	5544
40°	5193	5352	5558
45°	5095	5303	5554
50°	5044	5273	5510
55°	4883	5202	5538
60°	4719	5145	5571
65°	4515	5067	5667
70°	4244	4970	5727
75°	3823	4882	5842
80°	3127	4793	6225
85°	2037	4775	5820

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 6530 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.0	3.2
10°-20°	486.9	9.2
20°-30°	735.8	13.9
30°-40°	887.4	16.8
40°-50°	927.7	17.5
50°-60°	855.5	16.1
60°-70°	677.9	12.8
70°-80°	423.9	8.0
80°-90°	133.0	2.5
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°	1392.7	26.3
0°-40°	2280.1	43.0
0°-60°	4063.3	76.7
0°-90°	5298.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5298.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1799	1799	1799	1799	1799	
5°	1774	1782	1791	1797	1792	169
15°	1705	1713	1729	1740	1736	481
25°	1578	1574	1594	1617	1627	724
35°	1379	1395	1418	1442	1450	865
45°	1150	1167	1198	1228	1254	890
55°	894	916	953	1005	1014	802
65°	609	635	684	737	765	604
75°	316	342	404	460	483	333
85°	57	81	133	156	162	74
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1798.7	1798.7	1798.7	1798.7	1798.7
2.5°	1782.5	1790.6	1797.1	1795.5	1803.6
5°	1774.4	1782.5	1790.6	1797.1	1792.2
7.5°	1764.7	1772.8	1782.5	1792.2	1782.5
10°	1748.5	1753.3	1771.2	1772.8	1769.6
12.5°	1733.9	1738.8	1751.7	1763.1	1766.3
15°	1704.7	1712.8	1729.0	1740.4	1735.5
17.5°	1675.6	1686.9	1701.5	1712.8	1712.8
20°	1643.2	1651.3	1669.1	1677.2	1691.8
22.5°	1605.9	1615.6	1630.2	1652.9	1661.0
25°	1578.3	1573.5	1594.5	1617.2	1627.0
27.5°	1523.2	1529.7	1558.9	1580.0	1588.1
30°	1489.2	1492.5	1508.7	1537.8	1547.5
32.5°	1429.3	1439.0	1468.1	1489.2	1507.0
35°	1379.0	1395.2	1417.9	1442.2	1450.3
37.5°	1335.3	1338.5	1364.4	1396.8	1403.3
40°	1270.4	1289.9	1309.3	1349.9	1359.6
42.5°	1220.2	1229.9	1257.5	1296.4	1311.0
45°	1150.5	1166.7	1197.5	1228.3	1254.2
47.5°	1089.0	1105.2	1145.7	1184.6	1189.4
50°	1035.5	1042.0	1082.5	1126.2	1131.1
52.5°	962.6	978.8	1017.7	1066.3	1082.5
55°	894.5	915.6	952.8	1004.7	1014.4
57.5°	834.5	844.3	888.0	939.9	959.3
60°	753.5	781.1	821.6	871.8	889.6
62.5°	683.8	709.8	753.5	800.5	820.0
65°	609.3	635.2	683.8	737.3	764.9
67.5°	538.0	559.1	617.4	672.5	685.5
70°	463.5	487.8	542.9	599.6	625.5
72.5°	385.7	413.2	474.8	528.3	555.8
75°	316.0	341.9	403.5	460.2	482.9
77.5°	243.1	272.2	332.2	388.9	414.8
80°	173.4	202.6	265.8	322.5	345.2
82.5°	111.8	142.6	202.6	252.8	272.2
85°	56.7	81.0	132.9	155.6	162.0
87.5°	17.8	29.2	45.4	51.9	51.9
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	17.53	19.20	17.90	19.51	19.83	18.32	19.99	18.68	20.30	20.62
	3H	19.31	20.83	19.69	21.15	21.51	20.46	21.98	20.84	22.30	22.66
	4H	19.95	21.38	20.35	21.72	22.10	21.39	22.82	21.78	23.16	23.54
	6H	20.38	21.70	20.79	22.07	22.46	22.21	23.54	22.62	23.90	24.29
	8H	20.49	21.76	20.91	22.15	22.54	22.56	23.83	22.98	24.22	24.61
	12H	20.54	21.76	20.97	22.14	22.57	22.80	24.02	23.23	24.40	24.83
4H	2H	18.30	19.73	18.70	20.08	20.45	18.92	20.34	19.31	20.69	21.07
	3H	20.31	21.52	20.72	21.91	22.31	21.30	22.51	21.71	22.90	23.30
	4H	21.07	22.17	21.50	22.58	23.01	22.39	23.48	22.82	23.89	24.33
	6H	21.62	22.58	22.07	23.02	23.47	23.39	24.35	23.84	24.79	25.24
	8H	21.78	22.67	22.24	23.12	23.58	23.81	24.71	24.27	25.15	25.62
	12H	21.87	22.67	22.34	23.15	23.62	24.13	24.94	24.61	25.41	25.88
8H	4H	21.55	22.45	22.01	22.89	23.36	22.70	23.59	23.16	24.04	24.50
	6H	22.24	22.99	22.74	23.48	23.95	23.86	24.61	24.35	25.10	25.57
	8H	22.47	23.15	22.98	23.65	24.13	24.41	25.08	24.91	25.58	26.07
	12H	22.62	23.22	23.12	23.71	24.26	24.84	25.43	25.34	25.92	26.48
12H	4H	21.65	22.46	22.13	22.93	23.40	22.73	23.53	23.20	24.01	24.48
	6H	22.39	23.07	22.90	23.57	24.06	23.92	24.59	24.43	25.10	25.58
	8H	22.70	23.29	23.20	23.78	24.34	24.53	25.13	25.04	25.62	26.18