

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: P1586531

Luminaire Tested: 22CZSP-57HE-L950

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1586531
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-57HE-L950
Description: 2x2 CZSP LED Luminaire, 5000K CCT and 5700 lumens, 90CRI, Ribbed Lens
Light Source: -
Ballast/Driver: -

Summary

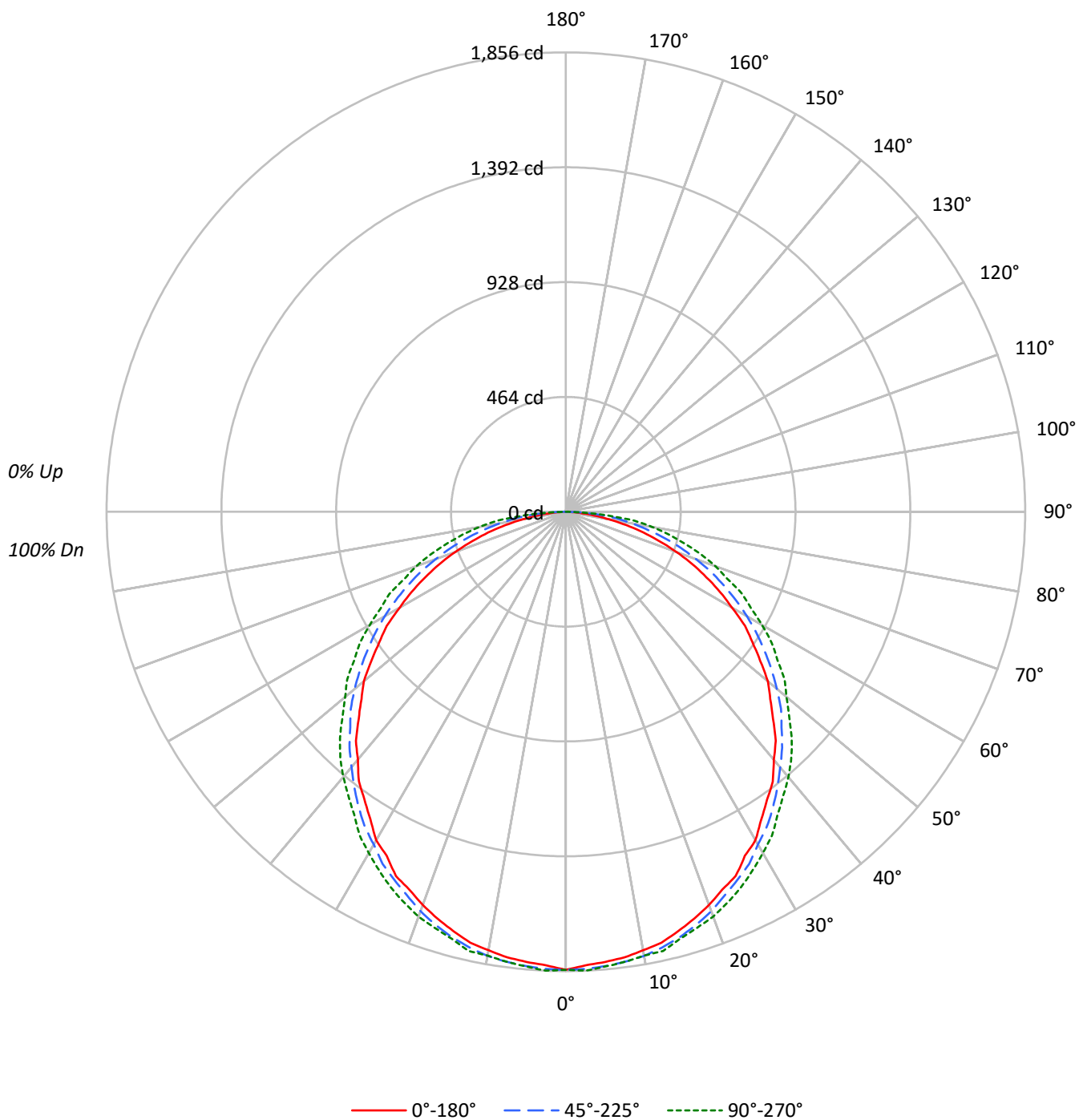
Lumens per Lamp: N/A
Luminaire Lumens: 5451.0 lumens
Efficiency: N/A
Efficacy: 140.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 1.88' x L: 1.83' x H: 0')
CIE Type: Direct

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°	5795	5795	5795
5°	5739	5791	5796
10°	5720	5794	5789
15°	5686	5767	5789
20°	5634	5723	5800
25°	5611	5668	5783
30°	5540	5612	5757
35°	5424	5577	5704
40°	5343	5507	5718
45°	5242	5456	5715
50°	5190	5425	5669
55°	5024	5352	5698
60°	4855	5294	5732
65°	4645	5213	5830
70°	4365	5113	5892
75°	3933	5022	6011
80°	3217	4930	6403
85°	2098	4911	5989

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 6720 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.9	3.2
10°-20°	500.9	9.2
20°-30°	757.0	13.9
30°-40°	913.1	16.8
40°-50°	954.5	17.5
50°-60°	880.2	16.1
60°-70°	697.5	12.8
70°-80°	436.1	8.0
80°-90°	136.8	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°	1432.9	26.3
0°-40°	2345.9	43.0
0°-60°	4180.7	76.7
0°-90°	5451.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5451.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1851	1851	1851	1851	1851	
5°	1826	1834	1842	1849	1844	174
15°	1754	1762	1779	1791	1786	495
25°	1624	1619	1641	1664	1674	745
35°	1419	1436	1459	1484	1492	890
45°	1184	1200	1232	1264	1290	916
55°	920	942	980	1034	1044	825
65°	627	654	704	759	787	621
75°	325	352	415	474	497	343
85°	58	83	137	160	167	76
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1850.7	1850.7	1850.7	1850.7	1850.7
2.5°	1834.0	1842.3	1849.0	1847.3	1855.7
5°	1825.7	1834.0	1842.3	1849.0	1844.0
7.5°	1815.7	1824.0	1834.0	1844.0	1834.0
10°	1799.0	1804.0	1822.3	1824.0	1820.7
12.5°	1784.0	1789.0	1802.3	1814.0	1817.3
15°	1754.0	1762.3	1779.0	1790.6	1785.6
17.5°	1724.0	1735.6	1750.6	1762.3	1762.3
20°	1690.6	1698.9	1717.3	1725.6	1740.6
22.5°	1652.3	1662.3	1677.3	1700.6	1708.9
25°	1623.9	1618.9	1640.6	1663.9	1673.9
27.5°	1567.2	1573.9	1603.9	1625.6	1633.9
30°	1532.2	1535.6	1552.2	1582.2	1592.2
32.5°	1470.5	1480.5	1510.5	1532.2	1550.6
35°	1418.8	1435.5	1458.9	1483.9	1492.2
37.5°	1373.8	1377.2	1403.8	1437.2	1443.9
40°	1307.1	1327.1	1347.2	1388.8	1398.8
42.5°	1255.5	1265.5	1293.8	1333.8	1348.8
45°	1183.8	1200.4	1232.1	1263.8	1290.5
47.5°	1120.4	1137.1	1178.8	1218.8	1223.8
50°	1065.4	1072.1	1113.7	1158.7	1163.8
52.5°	990.4	1007.0	1047.0	1097.1	1113.7
55°	920.3	942.0	980.4	1033.7	1043.7
57.5°	858.6	868.6	913.7	967.0	987.0
60°	775.3	803.6	845.3	897.0	915.3
62.5°	703.6	730.3	775.3	823.6	843.6
65°	626.9	653.6	703.6	758.6	786.9
67.5°	553.5	575.2	635.2	691.9	705.3
70°	476.8	501.8	558.5	616.9	643.6
72.5°	396.8	425.2	488.5	543.5	571.9
75°	325.1	351.8	415.1	473.5	496.8
77.5°	250.1	280.1	341.8	400.1	426.8
80°	178.4	208.4	273.4	331.8	355.1
82.5°	115.0	146.7	208.4	260.1	280.1
85°	58.4	83.4	136.7	160.1	166.7
87.5°	18.3	30.0	46.7	53.4	53.4
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	19.30	17.99	19.61	19.92	18.42	20.09	18.78	20.40	20.71
	3H	19.41	20.92	19.79	21.25	21.61	20.56	22.08	20.94	22.40	22.76
	4H	20.05	21.48	20.45	21.82	22.20	21.49	22.91	21.88	23.26	23.64
	6H	20.47	21.80	20.89	22.16	22.55	22.31	23.64	22.72	24.00	24.39
	8H	20.59	21.86	21.01	22.24	22.64	22.66	23.93	23.08	24.31	24.71
	12H	20.64	21.86	21.07	22.24	22.67	22.90	24.12	23.33	24.50	24.93
4H	2H	18.40	19.83	18.80	20.18	20.55	19.02	20.44	19.41	20.79	21.16
	3H	20.41	21.62	20.82	22.01	22.41	21.40	22.61	21.81	23.00	23.40
	4H	21.17	22.27	21.60	22.68	23.11	22.49	23.58	22.92	23.99	24.43
	6H	21.72	22.68	22.17	23.12	23.57	23.49	24.44	23.94	24.88	25.34
	8H	21.88	22.77	22.33	23.21	23.68	23.91	24.81	24.37	25.25	25.72
	12H	21.96	22.77	22.44	23.25	23.72	24.23	25.04	24.71	25.51	25.98
8H	4H	21.65	22.55	22.11	22.99	23.46	22.80	23.69	23.25	24.13	24.60
	6H	22.34	23.09	22.83	23.58	24.05	23.96	24.71	24.45	25.20	25.67
	8H	22.57	23.24	23.08	23.75	24.23	24.51	25.18	25.01	25.68	26.17
	12H	22.72	23.31	23.22	23.80	24.36	24.93	25.53	25.44	26.02	26.58
12H	4H	21.75	22.56	22.23	23.03	23.50	22.82	23.63	23.30	24.11	24.58
	6H	22.49	23.17	23.00	23.67	24.15	24.02	24.69	24.52	25.20	25.68
	8H	22.79	23.39	23.30	23.88	24.44	24.63	25.23	25.14	25.72	26.28