

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: P1586522

Luminaire Tested: 22CZSP-57HE-L930-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1586522
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-57HE-L930-S
Description: 2x2 CZSP LED Luminaire, 3000K CCT and 5700 lumens, 90CRI, Smooth Lens
Light Source: -
Ballast/Driver: -

Summary

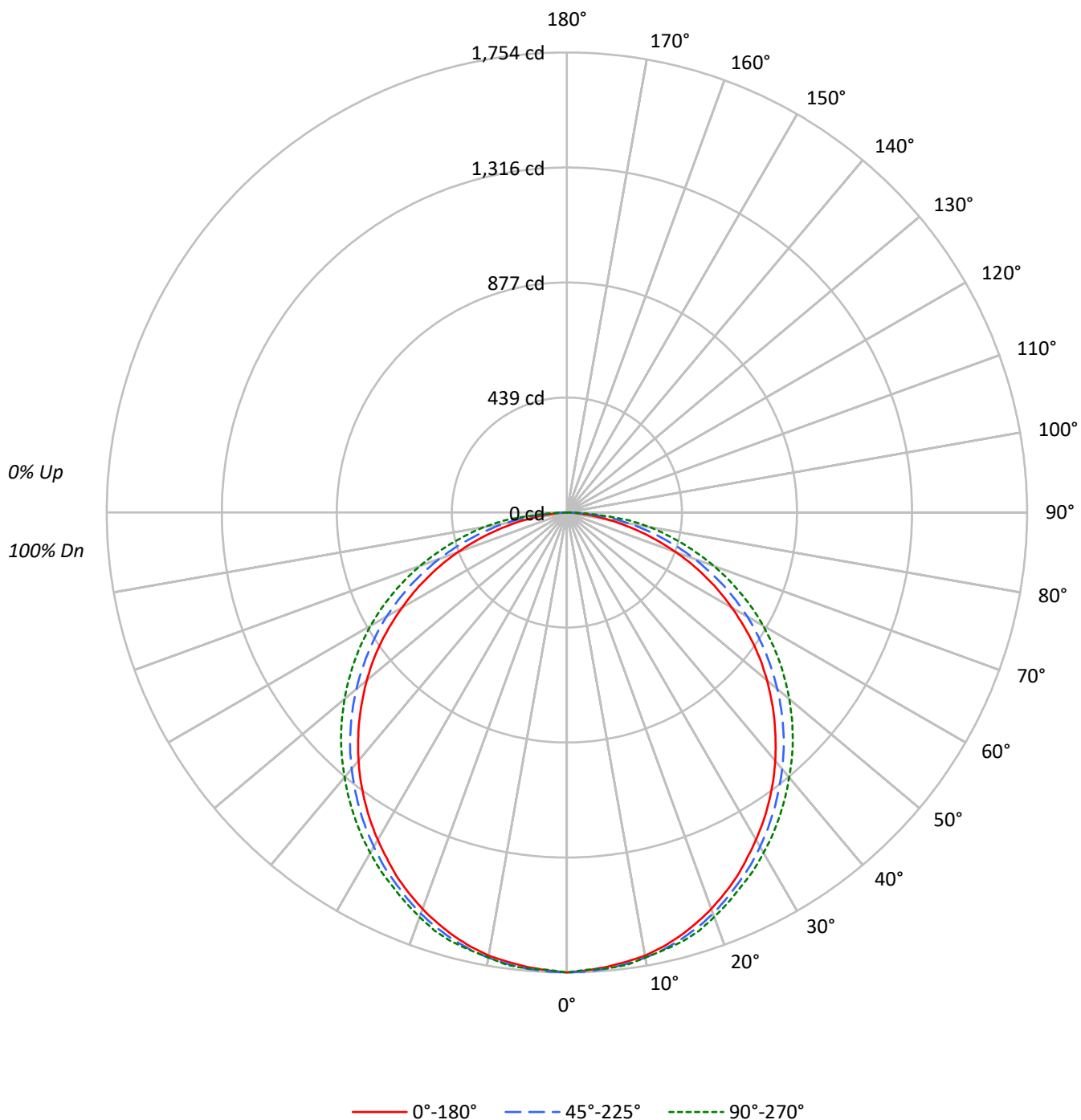
Lumens per Lamp: N/A
Luminaire Lumens: 5120.0 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.88' x L: 1.83' x H: 0')
CIE Type: Direct

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°	5491	5491	5491
5°	5466	5488	5484
10°	5455	5480	5476
15°	5416	5459	5492
20°	5361	5425	5470
25°	5294	5368	5434
30°	5212	5321	5419
35°	5136	5270	5403
40°	5052	5217	5387
45°	4955	5164	5393
50°	4849	5101	5391
55°	4723	5029	5398
60°	4545	4974	5410
65°	4337	4878	5427
70°	4042	4742	5451
75°	3602	4554	5505
80°	2979	4335	5774
85°	1937	3916	5044

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 5957 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.9	3.2
10°-20°	474.9	9.3
20°-30°	716.3	14.0
30°-40°	862.7	16.8
40°-50°	901.0	17.6
50°-60°	827.4	16.2
60°-70°	651.7	12.7
70°-80°	399.8	7.8
80°-90°	120.3	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°	1357.0	26.5
0°-40°	2219.7	43.4
0°-60°	3948.1	77.1
0°-90°	5120.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5120.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1754	1754	1754	1754	1754	
5°	1739	1741	1746	1752	1745	165
15°	1671	1674	1684	1694	1694	471
25°	1532	1536	1554	1573	1573	705
35°	1344	1350	1378	1407	1413	840
45°	1119	1131	1166	1207	1218	863
55°	865	881	921	973	989	772
65°	585	606	658	713	732	579
75°	298	321	376	436	455	316
85°	54	74	109	138	140	70
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1753.7	1753.7	1753.7	1753.7	1753.7
2.5°	1747.0	1750.4	1751.5	1752.6	1744.7
5°	1739.1	1741.4	1745.9	1751.5	1744.7
7.5°	1727.9	1730.1	1735.8	1743.6	1740.3
10°	1715.5	1716.7	1723.4	1729.0	1722.3
12.5°	1695.3	1698.7	1706.6	1711.0	1708.8
15°	1670.6	1674.0	1684.1	1694.2	1694.2
17.5°	1641.4	1645.9	1658.2	1671.7	1672.8
20°	1608.8	1612.2	1627.9	1641.4	1641.4
22.5°	1571.7	1576.2	1592.0	1606.6	1608.8
25°	1532.4	1535.8	1553.8	1572.9	1572.9
27.5°	1486.4	1493.1	1515.6	1534.7	1539.2
30°	1441.4	1447.0	1471.7	1495.3	1498.7
32.5°	1394.2	1401.0	1426.8	1452.6	1458.3
35°	1343.7	1350.4	1378.5	1406.6	1413.3
37.5°	1290.9	1298.7	1327.9	1360.5	1367.3
40°	1235.8	1244.8	1276.3	1311.1	1317.8
42.5°	1177.4	1189.8	1223.5	1259.4	1269.5
45°	1119.0	1131.3	1166.2	1206.6	1217.8
47.5°	1057.2	1071.8	1107.7	1150.4	1162.8
50°	995.4	1010.0	1047.1	1093.1	1106.6
52.5°	932.5	947.1	985.3	1033.6	1048.2
55°	865.1	880.8	921.2	972.9	988.7
57.5°	795.4	815.6	858.3	911.1	926.9
60°	725.8	746.0	794.3	846.0	863.9
62.5°	657.2	676.3	725.8	780.8	799.9
65°	585.3	605.6	658.4	713.4	732.5
67.5°	514.5	534.8	587.6	644.9	665.1
70°	441.5	464.0	517.9	575.2	595.4
72.5°	368.5	392.1	447.1	505.6	524.7
75°	297.7	321.3	376.4	435.9	455.0
77.5°	228.1	253.9	307.8	368.5	386.5
80°	165.2	189.9	240.4	300.0	320.2
82.5°	105.6	127.0	177.5	233.7	248.3
85°	53.9	74.1	109.0	138.2	140.4
87.5°	16.9	23.6	36.0	53.9	55.1
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	17.40	19.06	17.76	19.37	19.69	18.23	19.89	18.59	20.20	20.52
	3H	19.15	20.66	19.53	20.98	21.34	20.34	21.85	20.72	22.18	22.54
	4H	19.77	21.19	20.17	21.54	21.91	21.23	22.65	21.63	23.00	23.38
	6H	20.18	21.50	20.59	21.86	22.26	22.01	23.33	22.42	23.70	24.09
	8H	20.29	21.55	20.71	21.94	22.34	22.33	23.60	22.76	23.98	24.38
	12H	20.34	21.55	20.77	21.93	22.36	22.54	23.75	22.97	24.14	24.56
4H	2H	18.17	19.59	18.56	19.94	20.31	18.81	20.24	19.21	20.58	20.96
	3H	20.14	21.34	20.55	21.74	22.14	21.17	22.37	21.58	22.76	23.16
	4H	20.88	21.97	21.31	22.38	22.81	22.22	23.31	22.65	23.72	24.15
	6H	21.41	22.36	21.86	22.80	23.26	23.17	24.13	23.63	24.57	25.02
	8H	21.56	22.45	22.02	22.89	23.35	23.57	24.46	24.03	24.90	25.37
	12H	21.64	22.44	22.12	22.92	23.39	23.85	24.65	24.33	25.13	25.59
8H	4H	21.34	22.23	21.80	22.67	23.14	22.51	23.40	22.97	23.84	24.31
	6H	22.00	22.75	22.49	23.23	23.71	23.62	24.37	24.11	24.85	25.33
	8H	22.21	22.88	22.72	23.39	23.87	24.13	24.80	24.64	25.31	25.79
	12H	22.35	22.94	22.86	23.43	23.99	24.52	25.11	25.02	25.60	26.16
12H	4H	21.43	22.23	21.91	22.71	23.18	22.53	23.34	23.01	23.81	24.28
	6H	22.13	22.80	22.64	23.31	23.79	23.67	24.34	24.18	24.84	25.33
	8H	22.41	23.00	22.92	23.49	24.05	24.25	24.84	24.75	25.33	25.89