

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: P1586515

Luminaire Tested: 22CZSP-57HE-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1586515
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-L835
Description: 2x2 CZSP LED Luminaire, 3500K CCT and 5700 lumens, 80CRI, Ribbed Lens
Light Source: -
Ballast/Driver: -

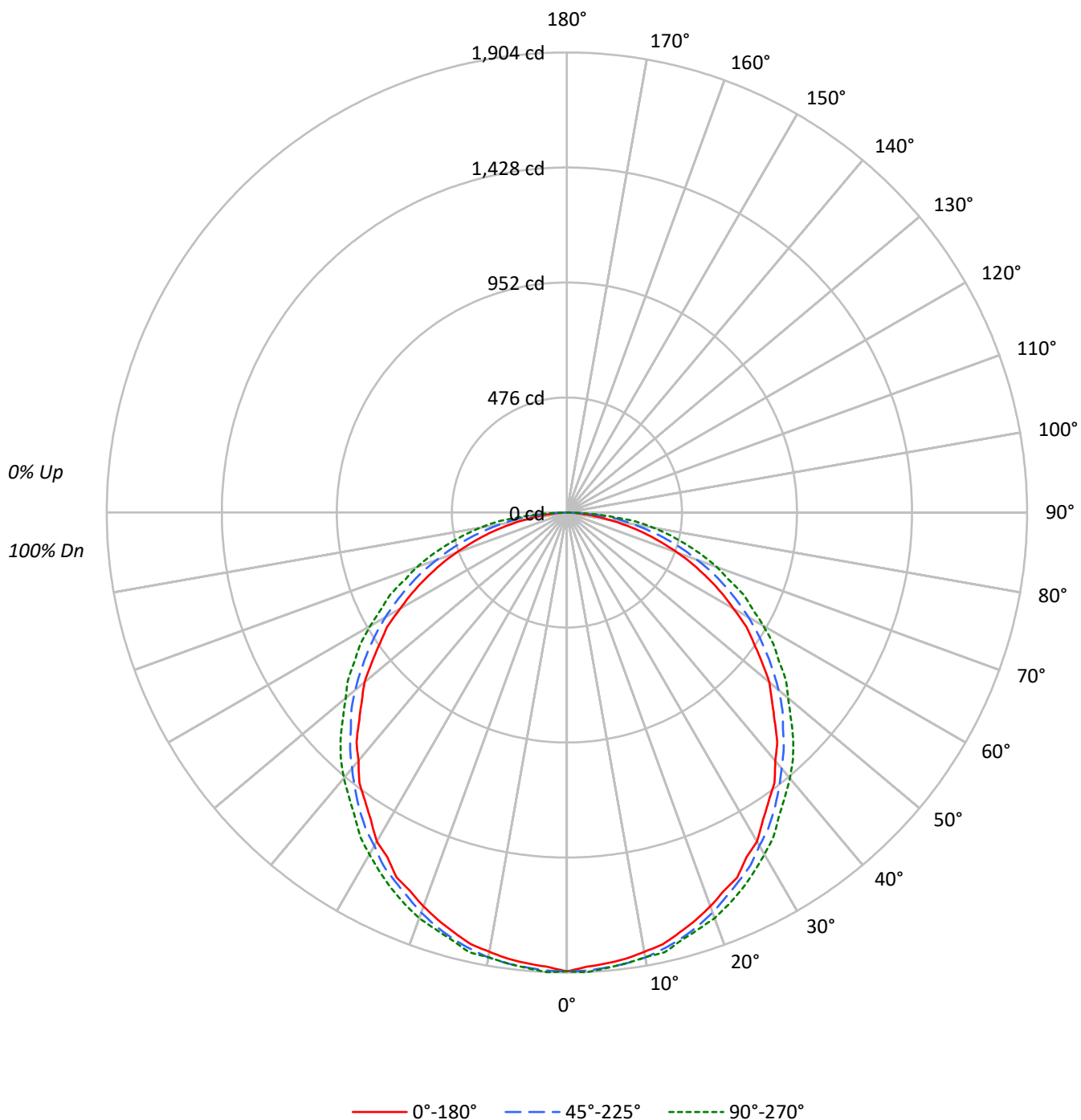
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5594.0 lumens
Efficiency: N/A
Efficacy: 143.8 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
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	105	101	97	93	97	93	90		93	90	87		89
2	98	90	82	76	95	88	81	76	84	79	74		81	76	72		78
3	89	78	70	63	87	77	69	63	74	67	62		71	65	60		68
4	82	69	60	53	79	68	59	53	65	58	52		63	57	51		61
5	75	62	53	46	73	61	52	46	58	51	45		56	50	44		55
6	69	56	46	40	67	55	46	40	53	45	39		51	44	39		49
7	64	50	41	35	62	49	41	35	48	40	35		46	40	34		45
8	60	46	37	31	58	45	37	31	44	36	31		43	36	31		41
9	56	42	34	28	54	41	34	28	40	33	28		39	33	28		38
10	52	39	31	25	51	38	31	25	37	30	25		36	30	25		35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5947	5947	5947
5°	5889	5943	5948
10°	5870	5946	5941
15°	5835	5918	5941
20°	5782	5872	5952
25°	5758	5817	5935
30°	5685	5760	5908
35°	5566	5723	5854
40°	5483	5651	5868
45°	5380	5599	5864
50°	5326	5568	5818
55°	5156	5493	5847
60°	4983	5433	5883
65°	4766	5350	5984
70°	4480	5248	6046
75°	4036	5154	6169
80°	3302	5060	6571
85°	2152	5041	6147

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 6895 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.5	3.2
10°-20°	514.1	9.2
20°-30°	776.9	13.9
30°-40°	937.0	16.8
40°-50°	979.6	17.5
50°-60°	903.3	16.1
60°-70°	715.7	12.8
70°-80°	447.5	8.0
80°-90°	140.4	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°	1470.5	26.3
0°-40°	2407.5	43.0
0°-60°	4290.3	76.7
0°-90°	5594.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5594.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1899	1899	1899	1899	1899	
5°	1874	1882	1891	1898	1892	178
15°	1800	1808	1826	1838	1832	508
25°	1666	1661	1684	1708	1718	764
35°	1456	1473	1497	1523	1531	913
45°	1215	1232	1264	1297	1324	940
55°	944	967	1006	1061	1071	847
65°	643	671	722	778	808	637
75°	334	361	426	486	510	352
85°	60	86	140	164	171	78
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1899.2	1899.2	1899.2	1899.2	1899.2
2.5°	1882.1	1890.7	1897.5	1895.8	1904.3
5°	1873.5	1882.1	1890.7	1897.5	1892.4
7.5°	1863.3	1871.8	1882.1	1892.4	1882.1
10°	1846.2	1851.3	1870.1	1871.8	1868.4
12.5°	1830.8	1835.9	1849.6	1861.6	1865.0
15°	1800.0	1808.5	1825.6	1837.6	1832.5
17.5°	1769.2	1781.2	1796.6	1808.5	1808.5
20°	1735.0	1743.5	1762.3	1770.9	1786.3
22.5°	1695.6	1705.9	1721.3	1745.2	1753.8
25°	1666.5	1661.4	1683.6	1707.6	1717.8
27.5°	1608.3	1615.2	1646.0	1668.2	1676.8
30°	1572.4	1575.8	1592.9	1623.7	1634.0
32.5°	1509.1	1519.4	1550.2	1572.4	1591.2
35°	1456.1	1473.2	1497.1	1522.8	1531.3
37.5°	1409.9	1413.3	1440.7	1474.9	1481.7
40°	1341.4	1362.0	1382.5	1425.3	1435.5
42.5°	1288.4	1298.7	1327.7	1368.8	1384.2
45°	1214.8	1231.9	1264.4	1296.9	1324.3
47.5°	1149.8	1166.9	1209.7	1250.7	1255.9
50°	1093.3	1100.2	1143.0	1189.1	1194.3
52.5°	1016.3	1033.4	1074.5	1125.8	1143.0
55°	944.5	966.7	1006.1	1060.8	1071.1
57.5°	881.2	891.4	937.6	992.4	1012.9
60°	795.6	824.7	867.5	920.5	939.3
62.5°	722.0	749.4	795.6	845.2	865.8
65°	643.3	670.7	722.0	778.5	807.6
67.5°	568.1	590.3	651.9	710.1	723.8
70°	489.3	515.0	573.2	633.1	660.4
72.5°	407.2	436.3	501.3	557.8	586.9
75°	333.6	361.0	426.0	485.9	509.9
77.5°	256.7	287.4	350.8	410.6	438.0
80°	183.1	213.9	280.6	340.5	364.4
82.5°	118.1	150.6	213.9	266.9	287.4
85°	59.9	85.6	140.3	164.3	171.1
87.5°	18.8	30.8	47.9	54.8	54.8
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	17.72	19.39	18.08	19.70	20.01	18.51	20.18	18.87	20.49	20.80
	3H	19.50	21.01	19.88	21.34	21.70	20.65	22.17	21.03	22.49	22.85
	4H	20.14	21.57	20.54	21.91	22.29	21.58	23.00	21.97	23.35	23.73
	6H	20.56	21.89	20.98	22.25	22.64	22.40	23.73	22.81	24.09	24.48
	8H	20.68	21.95	21.10	22.33	22.73	22.75	24.02	23.17	24.40	24.80
	12H	20.73	21.95	21.16	22.33	22.76	22.99	24.21	23.42	24.59	25.02
4H	2H	18.49	19.92	18.89	20.27	20.64	19.11	20.53	19.50	20.88	21.25
	3H	20.50	21.71	20.91	22.10	22.50	21.49	22.70	21.90	23.09	23.49
	4H	21.26	22.36	21.69	22.77	23.20	22.58	23.67	23.01	24.08	24.52
	6H	21.81	22.77	22.26	23.21	23.66	23.58	24.53	24.03	24.97	25.43
	8H	21.97	22.86	22.42	23.30	23.77	24.00	24.90	24.46	25.34	25.81
	12H	22.05	22.86	22.53	23.34	23.81	24.32	25.13	24.80	25.60	26.07
8H	4H	21.74	22.64	22.20	23.08	23.55	22.89	23.78	23.34	24.22	24.69
	6H	22.43	23.18	22.92	23.67	24.14	24.05	24.80	24.54	25.29	25.76
	8H	22.66	23.33	23.17	23.84	24.32	24.60	25.27	25.10	25.77	26.26
	12H	22.81	23.40	23.31	23.89	24.45	25.02	25.62	25.53	26.11	26.67
12H	4H	21.84	22.65	22.32	23.12	23.59	22.91	23.72	23.39	24.20	24.67
	6H	22.58	23.26	23.09	23.76	24.24	24.11	24.78	24.61	25.29	25.77
	8H	22.88	23.48	23.39	23.97	24.53	24.72	25.32	25.23	25.81	26.37