

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: P1587799

Luminaire Tested: 22CZSP-SB-57HE-L845

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587799
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-7)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CZSP-SB-57HE-L845
Description: 2x2 CZSP LED Luminaire, 4500K CCT and 5700 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

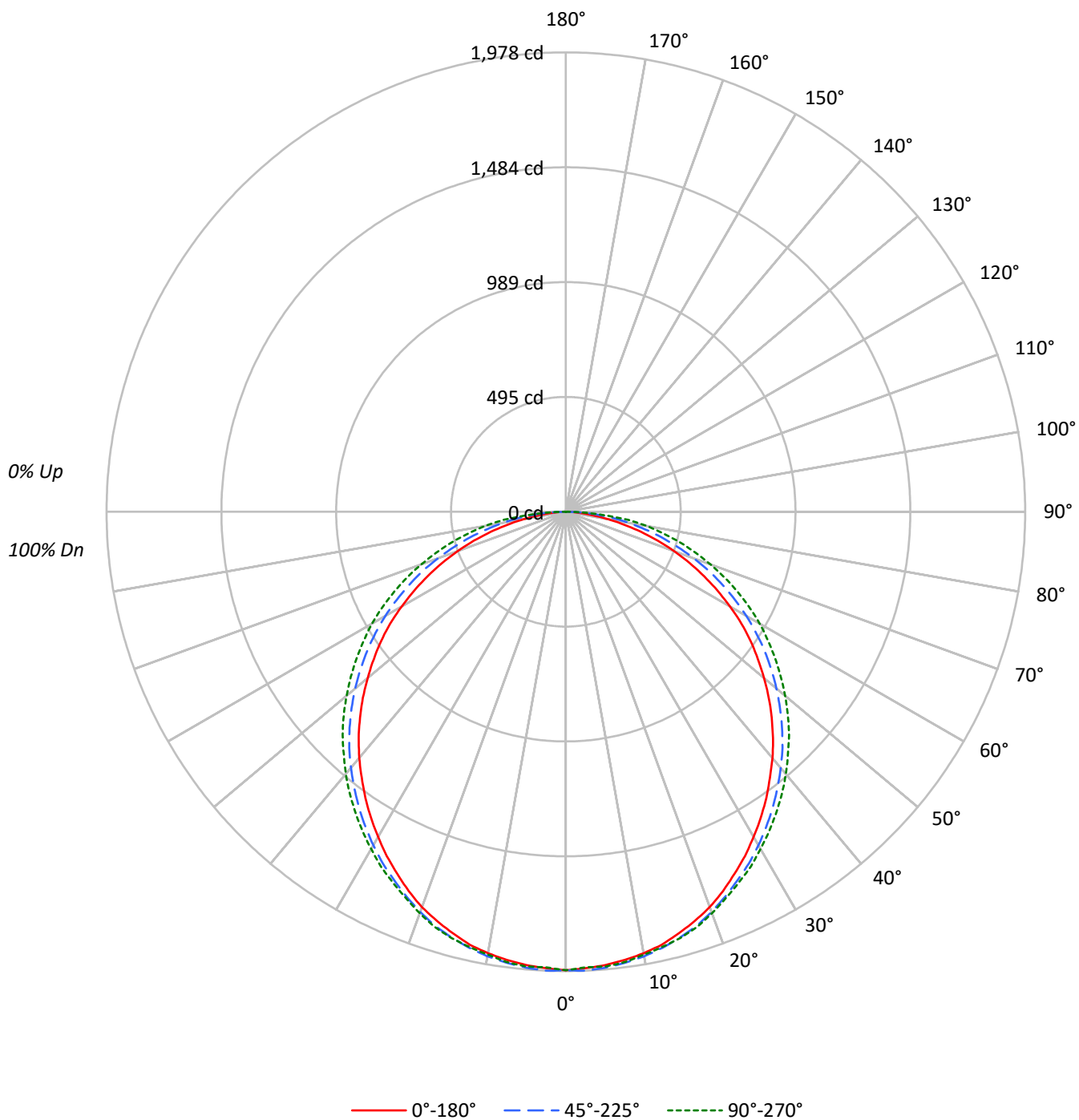
Lumens per Lamp: N/A
Luminaire Lumens: 5761.0 lumens
Efficiency: N/A
Efficacy: 148.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.88' x L: 1.83' x H: 0')
CIE Type: Direct

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	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	68
3	89	79	70	63	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°	6182	6182	6182
5°	6159	6194	6178
10°	6137	6180	6157
15°	6091	6155	6162
20°	6038	6111	6131
25°	5940	6045	6087
30°	5846	5996	6062
35°	5752	5938	6041
40°	5657	5886	6026
45°	5551	5832	6020
50°	5429	5768	6005
55°	5305	5704	6004
60°	5108	5620	6040
65°	4869	5511	6044
70°	4544	5359	6062
75°	4042	5164	6167
80°	3320	4946	6398
85°	2192	4642	5781

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 6552 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.7	3.2
10°-20°	534.5	9.3
20°-30°	805.6	14.0
30°-40°	970.2	16.8
40°-50°	1013.6	17.6
50°-60°	931.2	16.2
60°-70°	733.3	12.7
70°-80°	449.6	7.8
80°-90°	136.3	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°	1526.9	26.5
0°-40°	2497.0	43.3
0°-60°	4441.8	77.1
0°-90°	5761.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5761.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1974	1974	1974	1974	1974	
5°	1959	1963	1970	1968	1966	186
15°	1879	1886	1898	1906	1901	530
25°	1719	1730	1750	1768	1762	793
35°	1505	1524	1553	1581	1580	941
45°	1254	1280	1317	1353	1360	967
55°	972	1000	1045	1090	1100	867
65°	657	691	744	794	816	650
75°	334	373	427	478	510	355
85°	61	90	129	144	161	78
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1974.1	1974.1	1974.1	1974.1	1974.1
2.5°	1966.7	1971.6	1977.7	1968.0	1963.1
5°	1959.4	1963.1	1970.4	1968.0	1965.5
7.5°	1946.0	1948.5	1958.2	1958.2	1955.8
10°	1930.2	1935.0	1943.6	1942.4	1936.3
12.5°	1909.4	1913.1	1922.9	1922.9	1919.2
15°	1879.0	1886.3	1898.5	1905.8	1900.9
17.5°	1847.3	1854.6	1870.4	1877.7	1875.3
20°	1811.9	1818.0	1833.8	1844.8	1839.9
22.5°	1768.0	1775.3	1793.6	1805.8	1800.9
25°	1719.2	1730.2	1749.7	1768.0	1761.9
27.5°	1670.5	1682.6	1707.0	1725.3	1722.9
30°	1616.8	1632.7	1658.3	1681.4	1676.6
32.5°	1561.9	1580.2	1607.1	1631.4	1630.2
35°	1504.6	1524.1	1553.4	1581.4	1580.2
37.5°	1443.7	1466.8	1497.3	1527.8	1529.0
40°	1383.9	1405.9	1440.0	1472.9	1474.1
42.5°	1320.5	1343.7	1380.3	1414.4	1415.6
45°	1253.5	1280.3	1316.9	1353.4	1359.5
47.5°	1185.2	1213.2	1251.0	1290.0	1297.3
50°	1114.5	1143.7	1184.0	1225.4	1232.7
52.5°	1042.5	1073.0	1114.5	1155.9	1166.9
55°	971.8	999.8	1044.9	1090.1	1099.8
57.5°	897.4	923.0	971.8	1019.3	1031.5
60°	815.7	847.4	897.4	945.0	964.5
62.5°	736.5	770.6	821.8	869.4	891.3
65°	657.2	691.3	743.8	793.8	815.7
67.5°	576.7	612.1	668.2	715.7	740.1
70°	496.3	531.6	585.3	636.5	662.1
72.5°	415.8	453.6	506.0	558.4	584.0
75°	334.1	373.1	426.8	478.0	509.7
77.5°	257.3	295.1	348.7	401.2	428.0
80°	184.1	221.9	274.3	326.8	354.8
82.5°	117.1	152.4	203.6	247.5	273.1
85°	61.0	90.2	129.2	143.9	160.9
87.5°	18.3	35.4	50.0	56.1	69.5
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	17.84	19.50	18.21	19.82	20.13	18.59	20.25	18.95	20.56	20.88
	3H	19.60	21.11	19.98	21.44	21.80	20.68	22.19	21.06	22.52	22.88
	4H	20.23	21.65	20.63	22.00	22.37	21.57	22.99	21.97	23.34	23.71
	6H	20.64	21.96	21.05	22.33	22.72	22.34	23.66	22.75	24.02	24.41
	8H	20.75	22.01	21.17	22.40	22.80	22.65	23.91	23.07	24.30	24.70
	12H	20.80	22.01	21.23	22.39	22.82	22.86	24.07	23.29	24.45	24.88
4H	2H	18.61	20.03	19.01	20.38	20.76	19.19	20.61	19.59	20.96	21.34
	3H	20.61	21.80	21.01	22.20	22.60	21.52	22.72	21.93	23.12	23.51
	4H	21.36	22.45	21.79	22.86	23.29	22.55	23.64	22.99	24.05	24.49
	6H	21.90	22.85	22.35	23.29	23.74	23.49	24.44	23.94	24.88	25.33
	8H	22.04	22.94	22.50	23.38	23.84	23.87	24.76	24.33	25.20	25.67
	12H	22.13	22.93	22.61	23.41	23.88	24.15	24.95	24.62	25.42	25.89
8H	4H	21.81	22.70	22.27	23.15	23.61	22.86	23.75	23.31	24.19	24.65
	6H	22.49	23.23	22.98	23.72	24.19	23.94	24.68	24.43	25.17	25.64
	8H	22.71	23.38	23.22	23.88	24.37	24.43	25.10	24.93	25.60	26.09
	12H	22.86	23.45	23.36	23.94	24.50	24.80	25.39	25.31	25.88	26.44
12H	4H	21.90	22.70	22.37	23.17	23.64	22.88	23.69	23.36	24.16	24.63
	6H	22.62	23.29	23.12	23.79	24.28	23.99	24.66	24.50	25.17	25.65
	8H	22.91	23.50	23.41	23.99	24.55	24.55	25.14	25.05	25.63	26.19