

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: P1589924

Luminaire Tested: 24CZSP-SB-62-L935-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1589924
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-8)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CZSP-SB-62-L935-S
Description: 2x4 CZSP LED Luminaire, 3500K CCT and 5500 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

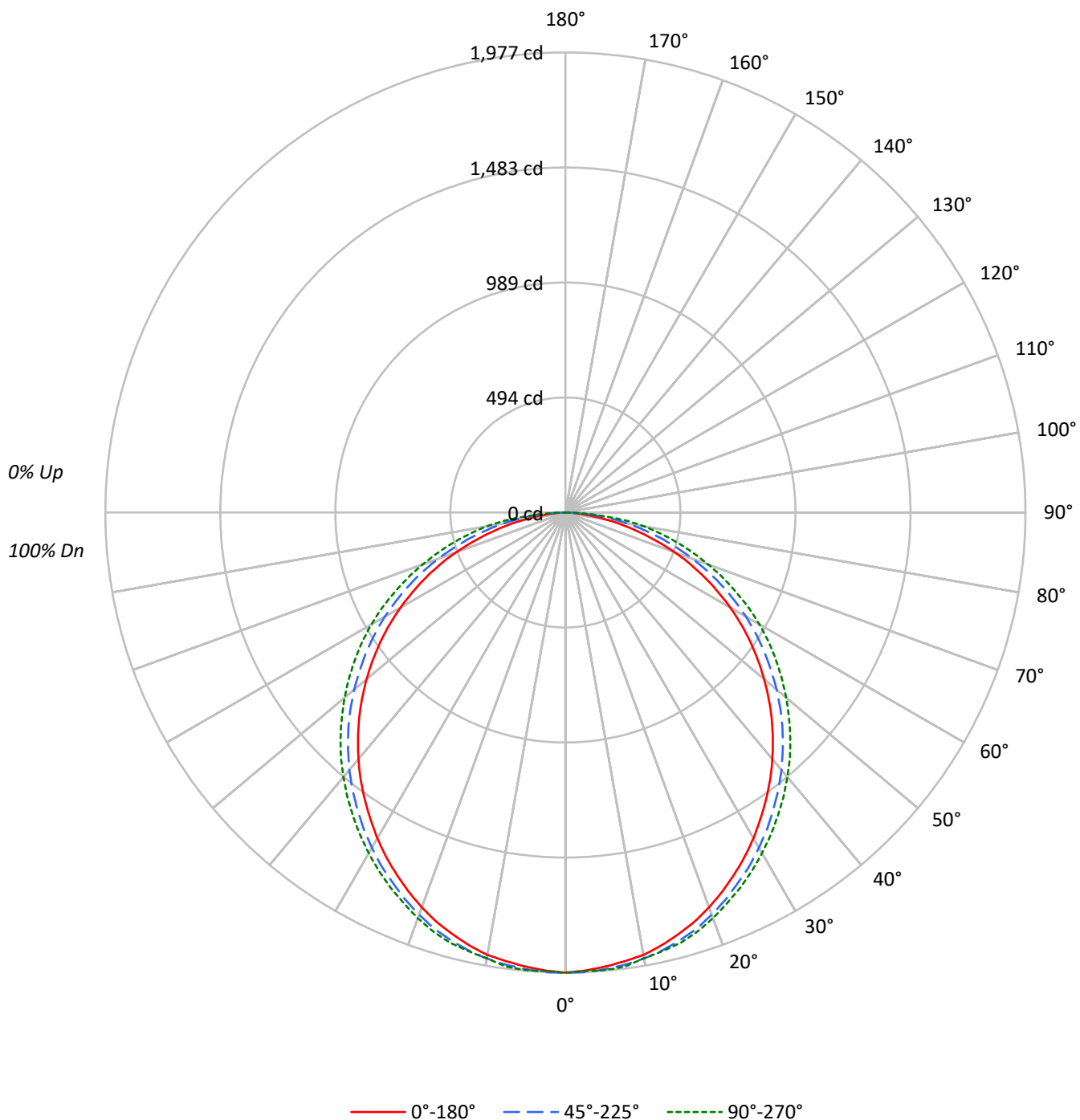
Lumens per Lamp: N/A
Luminaire Lumens: 5752.0 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 44.5
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: 28.75 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	94	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	66	61		69	64	60	58
4	82	70	61	54	79	68	60	53	66	58	53		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	45	39		50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	38	32	58	45	37	31	44	37	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3028	3028	3028
5°	3012	3029	3034
10°	3002	3027	3025
15°	2975	3018	3035
20°	2942	2997	3023
25°	2900	2967	3005
30°	2858	2941	2989
35°	2811	2913	2975
40°	2766	2887	2966
45°	2715	2857	2959
50°	2657	2822	2951
55°	2590	2785	2947
60°	2509	2744	2949
65°	2395	2686	2933
70°	2239	2605	2926
75°	1984	2504	2936
80°	1615	2379	3024
85°	1044	2197	2610

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3064 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.1	3.3
10°-20°	535.9	9.3
20°-30°	807.9	14.0
30°-40°	972.1	16.9
40°-50°	1014.0	17.6
50°-60°	929.5	16.2
60°-70°	729.9	12.7
70°-80°	444.2	7.7
80°-90°	131.4	2.3
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°	1530.9	26.6
0°-40°	2503.0	43.5
0°-60°	4446.5	77.3
0°-90°	5752.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5752.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1977	1977	1977	1977	1977	
5°	1959	1971	1970	1967	1974	186
15°	1876	1894	1903	1906	1914	529
25°	1716	1740	1756	1767	1778	791
35°	1503	1527	1558	1580	1591	941
45°	1254	1280	1319	1350	1366	967
55°	970	995	1043	1085	1104	867
65°	661	686	741	791	809	654
75°	335	366	423	474	496	355
85°	59	84	125	140	148	77
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1977.3	1977.3	1977.3	1977.3	1977.3
2.5°	1969.9	1979.8	1977.3	1968.7	1972.4
5°	1958.8	1971.2	1969.9	1967.4	1973.6
7.5°	1945.2	1958.8	1960.0	1960.0	1967.4
10°	1930.3	1943.9	1946.4	1942.7	1945.2
12.5°	1905.6	1921.7	1926.6	1926.6	1930.3
15°	1875.9	1894.4	1903.1	1905.6	1914.2
17.5°	1843.7	1863.5	1874.6	1880.8	1888.2
20°	1805.3	1826.4	1838.8	1846.2	1854.8
22.5°	1762.0	1785.5	1799.2	1806.6	1816.5
25°	1716.3	1739.8	1755.8	1767.0	1778.1
27.5°	1668.0	1690.3	1712.5	1726.1	1736.0
30°	1616.0	1639.5	1663.0	1680.4	1690.3
32.5°	1560.3	1585.1	1612.3	1630.9	1642.0
35°	1503.4	1526.9	1557.9	1580.1	1591.3
37.5°	1445.3	1470.0	1502.2	1525.7	1539.3
40°	1383.4	1409.4	1444.0	1470.0	1483.6
42.5°	1319.1	1343.8	1382.2	1411.9	1427.9
45°	1253.5	1279.5	1319.1	1350.0	1366.1
47.5°	1185.4	1210.2	1253.5	1289.4	1303.0
50°	1114.9	1138.4	1184.2	1222.5	1238.6
52.5°	1043.1	1067.9	1113.6	1154.5	1171.8
55°	970.1	994.9	1043.1	1085.2	1103.7
57.5°	895.9	920.6	970.1	1013.4	1035.7
60°	819.1	843.9	895.9	940.4	962.7
62.5°	740.0	765.9	819.1	864.9	888.4
65°	660.8	685.5	741.2	790.7	809.2
67.5°	581.6	606.3	660.8	710.3	732.5
70°	499.9	528.4	581.6	633.5	653.3
72.5°	414.5	446.7	499.9	554.3	574.1
75°	335.3	366.3	423.2	473.9	496.2
77.5°	257.4	290.8	344.0	396.0	418.2
80°	183.1	215.3	269.7	319.2	342.8
82.5°	116.3	144.8	199.2	243.8	261.1
85°	59.4	84.1	125.0	139.8	148.5
87.5°	17.3	29.7	44.5	55.7	61.9
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	15.3	17.0	15.7	17.3	17.6	16.1	17.7	16.4	18.1	18.4
	3H	17.1	18.6	17.5	18.9	19.3	18.2	19.7	18.5	20.0	20.4
	4H	17.7	19.2	18.1	19.5	19.9	19.0	20.4	19.4	20.8	21.2
	6H	18.1	19.5	18.6	19.8	20.2	19.8	21.1	20.2	21.5	21.8
	8H	18.2	19.5	18.7	19.9	20.3	20.1	21.3	20.5	21.7	22.1
	12H	18.3	19.5	18.7	19.9	20.3	20.3	21.5	20.7	21.9	22.3
4H	2H	16.1	17.5	16.5	17.9	18.3	16.7	18.1	17.1	18.5	18.8
	3H	18.1	19.3	18.5	19.7	20.1	19.0	20.2	19.4	20.6	21.0
	4H	18.9	19.9	19.3	20.3	20.8	20.0	21.1	20.5	21.5	22.0
	6H	19.4	20.3	19.8	20.8	21.2	20.9	21.9	21.4	22.3	22.8
	8H	19.5	20.4	20.0	20.9	21.3	21.3	22.2	21.8	22.6	23.1
	12H	19.6	20.4	20.1	20.9	21.3	21.5	22.3	22.0	22.8	23.3
8H	4H	19.3	20.2	19.8	20.6	21.1	20.3	21.2	20.8	21.6	22.1
	6H	20.0	20.7	20.5	21.2	21.7	21.4	22.1	21.9	22.6	23.1
	8H	20.2	20.8	20.7	21.3	21.8	21.8	22.5	22.4	23.0	23.5
	12H	20.3	20.9	20.8	21.4	21.9	22.2	22.8	22.7	23.3	23.8
12H	4H	19.4	20.2	19.9	20.7	21.1	20.3	21.1	20.8	21.6	22.1
	6H	20.1	20.8	20.6	21.2	21.8	21.4	22.1	22.0	22.6	23.1
	8H	20.4	21.0	20.9	21.4	22.0	22.0	22.6	22.5	23.0	23.6

(END OF REPORT)