

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: P1589931

Luminaire Tested: 24CZSP-SB-62-L950

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1589931
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: 24CZSP-SB-62-L950
Description: 2x4 CZSP LED Luminaire, 5000K CCT and 5500 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

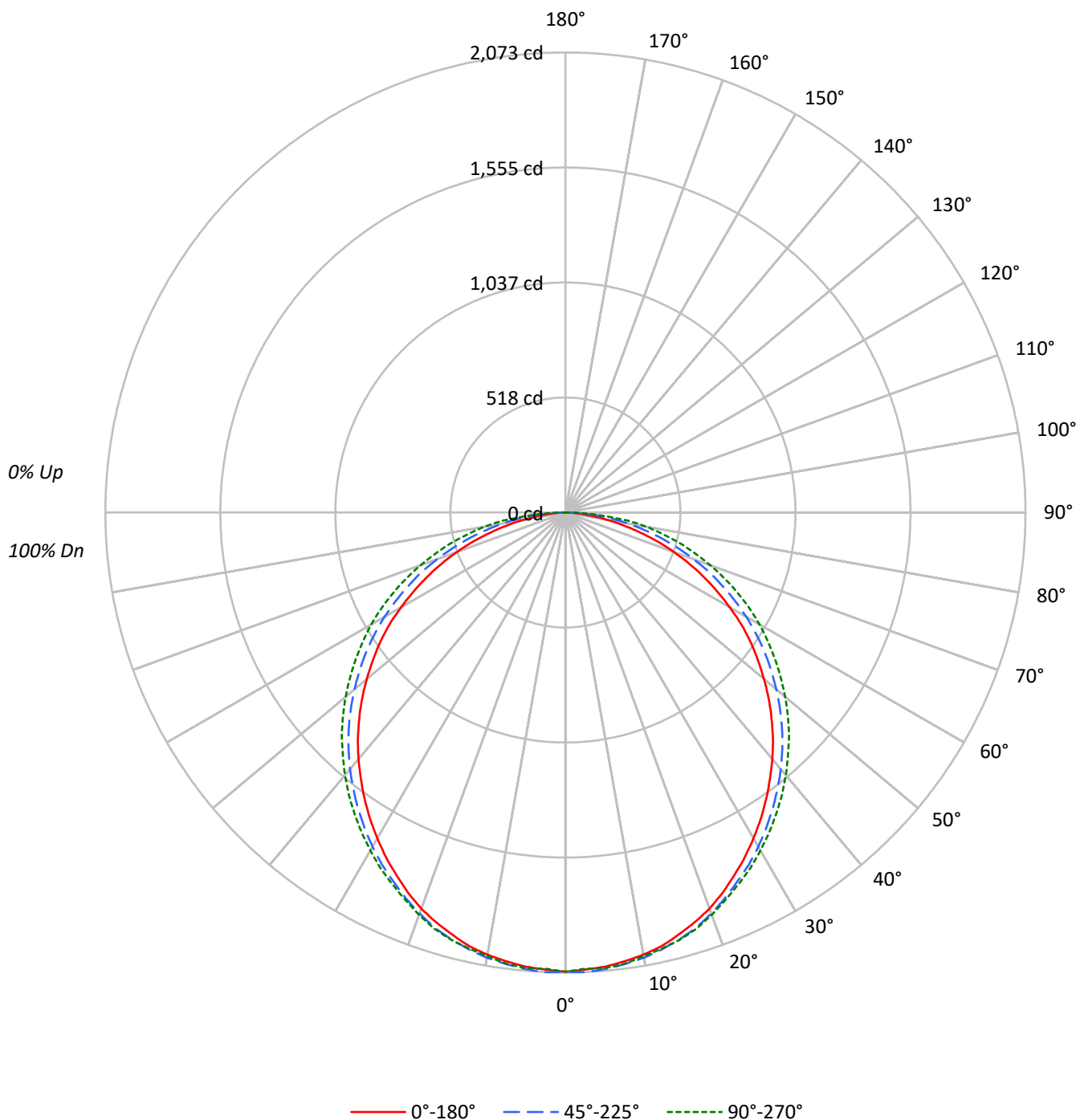
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6039.0 lumens
Efficiency: N/A
Efficacy: 135.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 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	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°	3169	3169	3169
5°	3158	3176	3168
10°	3147	3169	3157
15°	3123	3156	3160
20°	3096	3133	3144
25°	3046	3100	3121
30°	2997	3074	3108
35°	2949	3045	3097
40°	2901	3018	3090
45°	2846	2990	3087
50°	2784	2957	3079
55°	2720	2925	3079
60°	2619	2882	3097
65°	2497	2826	3099
70°	2330	2747	3108
75°	2072	2648	3162
80°	1702	2537	3280
85°	1123	2381	2965

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3360 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.8	3.2
10°-20°	560.3	9.3
20°-30°	844.5	14.0
30°-40°	1017.0	16.8
40°-50°	1062.5	17.6
50°-60°	976.1	16.2
60°-70°	768.7	12.7
70°-80°	471.3	7.8
80°-90°	142.9	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°	1600.5	26.5
0°-40°	2617.5	43.3
0°-60°	4656.2	77.1
0°-90°	6039.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6039.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2069	2069	2069	2069	2069	
5°	2054	2058	2066	2063	2060	195
15°	1970	1977	1990	1998	1993	556
25°	1802	1814	1834	1853	1847	831
35°	1577	1598	1628	1658	1656	986
45°	1314	1342	1380	1419	1425	1013
55°	1019	1048	1095	1143	1153	909
65°	689	725	780	832	855	681
75°	350	391	447	501	534	372
85°	64	95	136	151	169	82
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2069.3	2069.3	2069.3	2069.3	2069.3
2.5°	2061.7	2066.8	2073.2	2062.9	2057.8
5°	2054.0	2057.8	2065.5	2062.9	2060.4
7.5°	2039.9	2042.5	2052.7	2052.7	2050.2
10°	2023.3	2028.4	2037.4	2036.1	2029.7
12.5°	2001.6	2005.4	2015.6	2015.6	2011.8
15°	1969.6	1977.3	1990.1	1997.7	1992.6
17.5°	1936.4	1944.1	1960.7	1968.3	1965.8
20°	1899.3	1905.7	1922.3	1933.8	1928.7
22.5°	1853.3	1861.0	1880.2	1892.9	1887.8
25°	1802.2	1813.7	1834.1	1853.3	1846.9
27.5°	1751.1	1763.8	1789.4	1808.6	1806.0
30°	1694.8	1711.4	1738.3	1762.6	1757.5
32.5°	1637.3	1656.5	1684.6	1710.2	1708.9
35°	1577.2	1597.7	1628.4	1657.8	1656.5
37.5°	1513.3	1537.6	1569.6	1601.5	1602.8
40°	1450.7	1473.7	1509.5	1544.0	1545.3
42.5°	1384.2	1408.5	1446.9	1482.7	1483.9
45°	1313.9	1342.1	1380.4	1418.7	1425.1
47.5°	1242.4	1271.8	1311.4	1352.3	1360.0
50°	1168.2	1198.9	1241.1	1284.5	1292.2
52.5°	1092.8	1124.8	1168.2	1211.7	1223.2
55°	1018.7	1048.1	1095.4	1142.7	1152.9
57.5°	940.7	967.6	1018.7	1068.5	1081.3
60°	855.1	888.3	940.7	990.6	1011.0
62.5°	772.0	807.8	861.5	911.3	934.3
65°	688.9	724.7	779.7	832.1	855.1
67.5°	604.6	641.6	700.4	750.3	775.8
70°	520.2	557.3	613.5	667.2	694.0
72.5°	435.8	475.5	530.4	585.4	612.2
75°	350.2	391.1	447.4	501.0	534.3
77.5°	269.7	309.3	365.6	420.5	448.6
80°	193.0	232.6	287.6	342.5	371.9
82.5°	122.7	159.8	213.5	259.5	286.3
85°	63.9	94.6	135.5	150.8	168.7
87.5°	19.2	37.1	52.4	58.8	72.9
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	15.5	17.2	15.9	17.5	17.8	16.3	17.9	16.6	18.2	18.6
	3H	17.3	18.8	17.7	19.1	19.5	18.4	19.9	18.7	20.2	20.6
	4H	17.9	19.3	18.3	19.7	20.1	19.2	20.7	19.6	21.0	21.4
	6H	18.3	19.6	18.7	20.0	20.4	20.0	21.3	20.4	21.7	22.1
	8H	18.4	19.7	18.9	20.1	20.5	20.3	21.6	20.7	22.0	22.4
	12H	18.5	19.7	18.9	20.1	20.5	20.5	21.7	21.0	22.1	22.6
4H	2H	16.3	17.7	16.7	18.1	18.4	16.9	18.3	17.3	18.6	19.0
	3H	18.3	19.5	18.7	19.9	20.3	19.2	20.4	19.6	20.8	21.2
	4H	19.0	20.1	19.5	20.5	21.0	20.2	21.3	20.7	21.7	22.2
	6H	19.6	20.5	20.0	21.0	21.4	21.2	22.1	21.6	22.6	23.0
	8H	19.7	20.6	20.2	21.1	21.5	21.5	22.4	22.0	22.9	23.3
	12H	19.8	20.6	20.3	21.1	21.6	21.8	22.6	22.3	23.1	23.6
8H	4H	19.5	20.4	19.9	20.8	21.3	20.5	21.4	21.0	21.9	22.3
	6H	20.2	20.9	20.7	21.4	21.9	21.6	22.4	22.1	22.8	23.3
	8H	20.4	21.1	20.9	21.6	22.0	22.1	22.8	22.6	23.3	23.8
	12H	20.5	21.1	21.0	21.6	22.2	22.5	23.1	23.0	23.6	24.1
12H	4H	19.6	20.4	20.1	20.9	21.3	20.6	21.4	21.0	21.8	22.3
	6H	20.3	21.0	20.8	21.4	22.0	21.7	22.4	22.2	22.8	23.4
	8H	20.6	21.2	21.1	21.7	22.2	22.2	22.8	22.7	23.3	23.9

(END OF REPORT)