

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: P1589925

Luminaire Tested: 24CZSP-SB-62-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1589925
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-L935
Description: 2x4 CZSP LED Luminaire, 3500K CCT and 5500 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

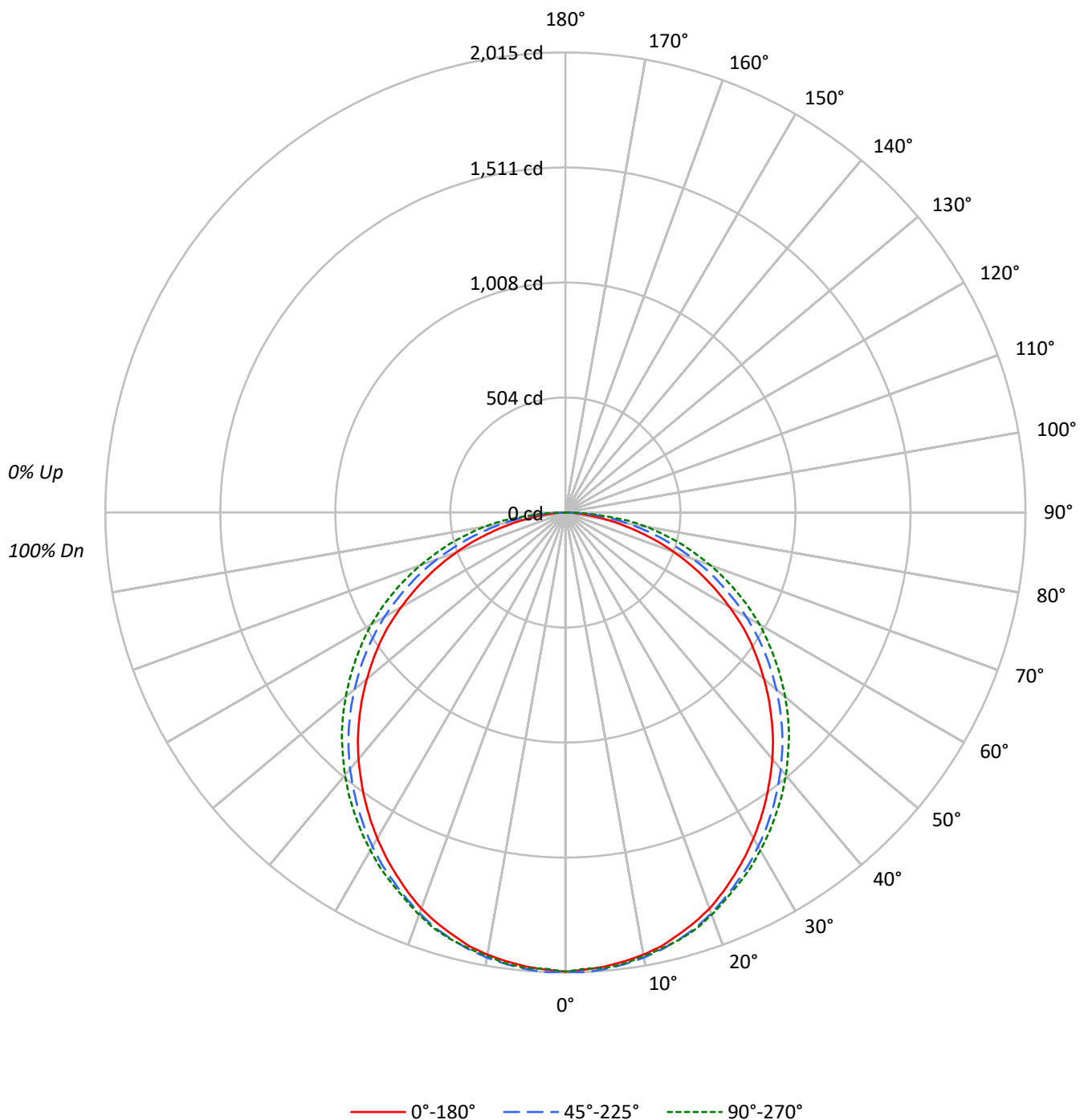
Lumens per Lamp: N/A
Luminaire Lumens: 5869.0 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

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°	3080	3080	3080
5°	3069	3086	3079
10°	3058	3079	3068
15°	3035	3067	3071
20°	3009	3045	3055
25°	2960	3012	3033
30°	2913	2988	3021
35°	2866	2959	3010
40°	2819	2933	3003
45°	2766	2906	3000
50°	2705	2874	2992
55°	2644	2843	2992
60°	2546	2800	3010
65°	2426	2746	3012
70°	2264	2670	3021
75°	2014	2573	3072
80°	1655	2465	3189
85°	1091	2314	2882

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3264 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.2	3.2
10°-20°	544.5	9.3
20°-30°	820.7	14.0
30°-40°	988.4	16.8
40°-50°	1032.6	17.6
50°-60°	948.6	16.2
60°-70°	747.0	12.7
70°-80°	458.0	7.8
80°-90°	138.9	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°	1555.5	26.5
0°-40°	2543.8	43.3
0°-60°	4525.1	77.1
0°-90°	5869.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5869.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2011	2011	2011	2011	2011	
5°	1996	2000	2007	2005	2002	190
15°	1914	1922	1934	1942	1936	540
25°	1752	1763	1782	1801	1795	807
35°	1533	1553	1582	1611	1610	959
45°	1277	1304	1342	1379	1385	985
55°	990	1019	1064	1110	1120	883
65°	670	704	758	809	831	662
75°	340	380	435	487	519	362
85°	62	92	132	147	164	80
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2011.1	2011.1	2011.1	2011.1	2011.1
2.5°	2003.6	2008.6	2014.8	2004.9	1999.9
5°	1996.2	1999.9	2007.3	2004.9	2002.4
7.5°	1982.5	1985.0	1994.9	1994.9	1992.4
10°	1966.4	1971.3	1980.0	1978.8	1972.6
12.5°	1945.2	1949.0	1958.9	1958.9	1955.2
15°	1914.2	1921.6	1934.1	1941.5	1936.5
17.5°	1881.9	1889.3	1905.5	1912.9	1910.5
20°	1845.9	1852.1	1868.2	1879.4	1874.4
22.5°	1801.1	1808.6	1827.2	1839.7	1834.7
25°	1751.5	1762.6	1782.5	1801.1	1794.9
27.5°	1701.8	1714.2	1739.0	1757.7	1755.2
30°	1647.1	1663.3	1689.3	1713.0	1708.0
32.5°	1591.2	1609.9	1637.2	1662.0	1660.8
35°	1532.8	1552.7	1582.5	1611.1	1609.9
37.5°	1470.7	1494.3	1525.4	1556.4	1557.7
40°	1409.9	1432.2	1467.0	1500.5	1501.8
42.5°	1345.3	1368.9	1406.1	1440.9	1442.2
45°	1276.9	1304.3	1341.5	1378.8	1385.0
47.5°	1207.4	1236.0	1274.5	1314.2	1321.7
50°	1135.3	1165.2	1206.1	1248.4	1255.8
52.5°	1062.1	1093.1	1135.3	1177.6	1188.8
55°	990.0	1018.6	1064.5	1110.5	1120.4
57.5°	914.2	940.3	990.0	1038.5	1050.9
60°	831.0	863.3	914.2	962.7	982.6
62.5°	750.3	785.1	837.2	885.7	908.0
65°	669.5	704.3	757.7	808.7	831.0
67.5°	587.5	623.6	680.7	729.2	754.0
70°	505.6	541.6	596.2	648.4	674.5
72.5°	423.6	462.1	515.5	568.9	595.0
75°	340.4	380.1	434.8	486.9	519.2
77.5°	262.1	300.6	355.3	408.7	436.0
80°	187.6	226.1	279.5	332.9	361.5
82.5°	119.2	155.3	207.4	252.2	278.2
85°	62.1	91.9	131.7	146.6	164.0
87.5°	18.6	36.0	50.9	57.1	70.8
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	15.4	17.1	15.8	17.4	17.7	16.2	17.8	16.5	18.1	18.5
	3H	17.2	18.7	17.6	19.0	19.4	18.3	19.8	18.6	20.1	20.5
	4H	17.8	19.2	18.2	19.6	20.0	19.1	20.6	19.5	20.9	21.3
	6H	18.2	19.5	18.6	19.9	20.3	19.9	21.2	20.3	21.6	22.0
	8H	18.3	19.6	18.8	20.0	20.4	20.2	21.5	20.7	21.9	22.3
	12H	18.4	19.6	18.8	20.0	20.4	20.4	21.7	20.9	22.0	22.5
4H	2H	16.2	17.6	16.6	18.0	18.3	16.8	18.2	17.2	18.5	18.9
	3H	18.2	19.4	18.6	19.8	20.2	19.1	20.3	19.5	20.7	21.1
	4H	18.9	20.0	19.4	20.4	20.9	20.1	21.2	20.6	21.6	22.1
	6H	19.5	20.4	19.9	20.9	21.3	21.1	22.0	21.5	22.5	22.9
	8H	19.6	20.5	20.1	21.0	21.4	21.4	22.3	21.9	22.8	23.2
	12H	19.7	20.5	20.2	21.0	21.5	21.7	22.5	22.2	23.0	23.5
8H	4H	19.4	20.3	19.9	20.7	21.2	20.4	21.3	20.9	21.8	22.2
	6H	20.1	20.8	20.6	21.3	21.8	21.5	22.3	22.0	22.8	23.2
	8H	20.3	21.0	20.8	21.5	21.9	22.0	22.7	22.5	23.2	23.7
	12H	20.4	21.0	20.9	21.5	22.1	22.4	23.0	22.9	23.5	24.0
12H	4H	19.5	20.3	20.0	20.8	21.2	20.5	21.3	20.9	21.7	22.2
	6H	20.2	20.9	20.7	21.3	21.9	21.6	22.3	22.1	22.7	23.3
	8H	20.5	21.1	21.0	21.6	22.1	22.1	22.7	22.6	23.2	23.8

(END OF REPORT)