

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: P1589923

Luminaire Tested: 24CZSP-SB-62-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1589923
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-L930
Description: 2x4 CZSP LED Luminaire, 3000K CCT and 5500 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

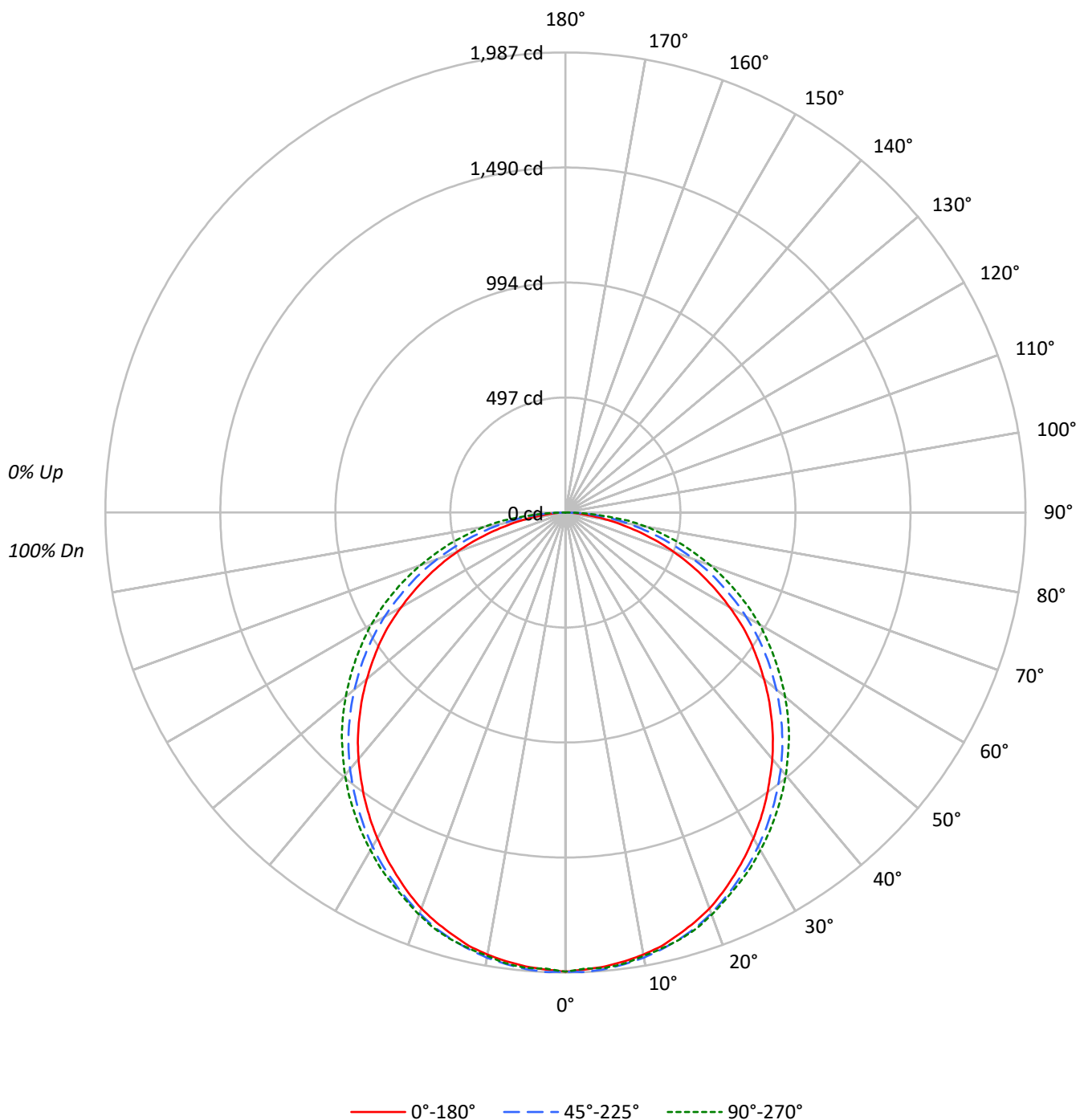
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5787.0 lumens
Efficiency: N/A
Efficacy: 130.0 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
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	106	101	97	93	97	93	90		93	90	88		89
2	98	90	83	77	96	88	81	76	84	79	74		81	76	72		78
3	89	79	70	63	87	77	69	63	74	67	62		71	65	61		69
4	82	69	60	54	79	68	60	53	66	58	52		63	57	52		61
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55
6	69	56	47	40	67	55	46	40	53	45	40		51	44	39		50
7	64	50	42	35	62	50	41	35	48	40	35		47	40	35		45
8	60	46	37	32	58	45	37	31	44	37	31		43	36	31		42
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38
10	52	39	31	26	51	38	31	26	37	30	25		37	30	25		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3037	3037	3037
5°	3026	3043	3036
10°	3015	3036	3025
15°	2993	3024	3028
20°	2967	3002	3012
25°	2919	2970	2991
30°	2872	2946	2978
35°	2826	2918	2968
40°	2780	2892	2961
45°	2727	2865	2958
50°	2668	2834	2951
55°	2607	2803	2950
60°	2510	2762	2968
65°	2393	2708	2970
70°	2232	2633	2978
75°	1986	2537	3030
80°	1631	2431	3144
85°	1075	2281	2842

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3220 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.6	3.2
10°-20°	536.9	9.3
20°-30°	809.3	14.0
30°-40°	974.6	16.8
40°-50°	1018.2	17.6
50°-60°	935.4	16.2
60°-70°	736.6	12.7
70°-80°	451.6	7.8
80°-90°	136.9	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°	1533.7	26.5
0°-40°	2508.3	43.3
0°-60°	4461.9	77.1
0°-90°	5787.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5787.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1983	1983	1983	1983	1983	
5°	1968	1972	1979	1977	1974	187
15°	1887	1895	1907	1914	1910	533
25°	1727	1738	1758	1776	1770	796
35°	1511	1531	1560	1589	1587	945
45°	1259	1286	1323	1360	1366	971
55°	976	1004	1050	1095	1105	871
65°	660	694	747	797	819	653
75°	336	375	429	480	512	357
85°	61	91	130	144	162	79
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1983.0	1983.0	1983.0	1983.0	1983.0
2.5°	1975.6	1980.5	1986.6	1976.8	1971.9
5°	1968.3	1971.9	1979.3	1976.8	1974.4
7.5°	1954.8	1957.3	1967.1	1967.1	1964.6
10°	1938.9	1943.8	1952.4	1951.1	1945.0
12.5°	1918.1	1921.7	1931.5	1931.5	1927.9
15°	1887.4	1894.8	1907.0	1914.4	1909.5
17.5°	1855.6	1862.9	1878.9	1886.2	1883.8
20°	1820.1	1826.2	1842.1	1853.1	1848.2
22.5°	1776.0	1783.3	1801.7	1813.9	1809.0
25°	1727.0	1738.0	1757.6	1776.0	1769.9
27.5°	1678.0	1690.2	1714.7	1733.1	1730.7
30°	1624.1	1640.0	1665.7	1689.0	1684.1
32.5°	1569.0	1587.4	1614.3	1638.8	1637.6
35°	1511.4	1531.0	1560.4	1588.6	1587.4
37.5°	1450.2	1473.5	1504.1	1534.7	1535.9
40°	1390.2	1412.2	1446.5	1479.6	1480.8
42.5°	1326.5	1349.7	1386.5	1420.8	1422.0
45°	1259.1	1286.1	1322.8	1359.5	1365.7
47.5°	1190.5	1218.7	1256.7	1295.9	1303.2
50°	1119.5	1148.9	1189.3	1230.9	1238.3
52.5°	1047.2	1077.8	1119.5	1161.1	1172.1
55°	976.2	1004.3	1049.7	1095.0	1104.8
57.5°	901.5	927.2	976.2	1023.9	1036.2
60°	819.4	851.2	901.5	949.2	968.8
62.5°	739.8	774.1	825.5	873.3	895.3
65°	660.2	694.5	747.1	797.4	819.4
67.5°	579.3	614.9	671.2	719.0	743.5
70°	498.5	534.0	587.9	639.4	665.1
72.5°	417.7	455.6	508.3	561.0	586.7
75°	335.6	374.8	428.7	480.1	512.0
77.5°	258.4	296.4	350.3	403.0	429.9
80°	184.9	222.9	275.6	328.3	356.4
82.5°	117.6	153.1	204.5	248.6	274.4
85°	61.2	90.6	129.8	144.5	161.7
87.5°	18.4	35.5	50.2	56.3	69.8
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	17.0	15.7	17.4	17.7	16.1	17.8	16.5	18.1	18.4
	3H	17.1	18.6	17.5	19.0	19.3	18.2	19.7	18.6	20.0	20.4
	4H	17.8	19.2	18.2	19.5	19.9	19.1	20.5	19.5	20.9	21.2
	6H	18.2	19.5	18.6	19.9	20.2	19.9	21.2	20.3	21.6	21.9
	8H	18.3	19.5	18.7	19.9	20.3	20.2	21.4	20.6	21.8	22.2
	12H	18.3	19.5	18.8	19.9	20.4	20.4	21.6	20.8	22.0	22.4
4H	2H	16.1	17.6	16.5	17.9	18.3	16.7	18.1	17.1	18.5	18.9
	3H	18.1	19.3	18.5	19.7	20.1	19.1	20.2	19.5	20.6	21.0
	4H	18.9	20.0	19.3	20.4	20.8	20.1	21.2	20.5	21.6	22.0
	6H	19.4	20.4	19.9	20.8	21.3	21.0	22.0	21.5	22.4	22.9
	8H	19.6	20.5	20.0	20.9	21.4	21.4	22.3	21.9	22.7	23.2
	12H	19.7	20.5	20.1	20.9	21.4	21.7	22.5	22.2	23.0	23.4
8H	4H	19.3	20.2	19.8	20.7	21.1	20.4	21.3	20.8	21.7	22.2
	6H	20.0	20.8	20.5	21.3	21.7	21.5	22.2	22.0	22.7	23.2
	8H	20.2	20.9	20.7	21.4	21.9	22.0	22.6	22.5	23.1	23.6
	12H	20.4	21.0	20.9	21.5	22.0	22.3	22.9	22.8	23.4	24.0
12H	4H	19.4	20.2	19.9	20.7	21.2	20.4	21.2	20.9	21.7	22.2
	6H	20.2	20.8	20.7	21.3	21.8	21.5	22.2	22.1	22.7	23.2
	8H	20.4	21.0	20.9	21.5	22.1	22.1	22.7	22.6	23.2	23.7

(END OF REPORT)