

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: P1589922

Luminaire Tested: 24CZSP-SB-62-L930-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1589922
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-L930-S
Description: 2x4 CZSP LED Luminaire, 3000K CCT and 5500 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

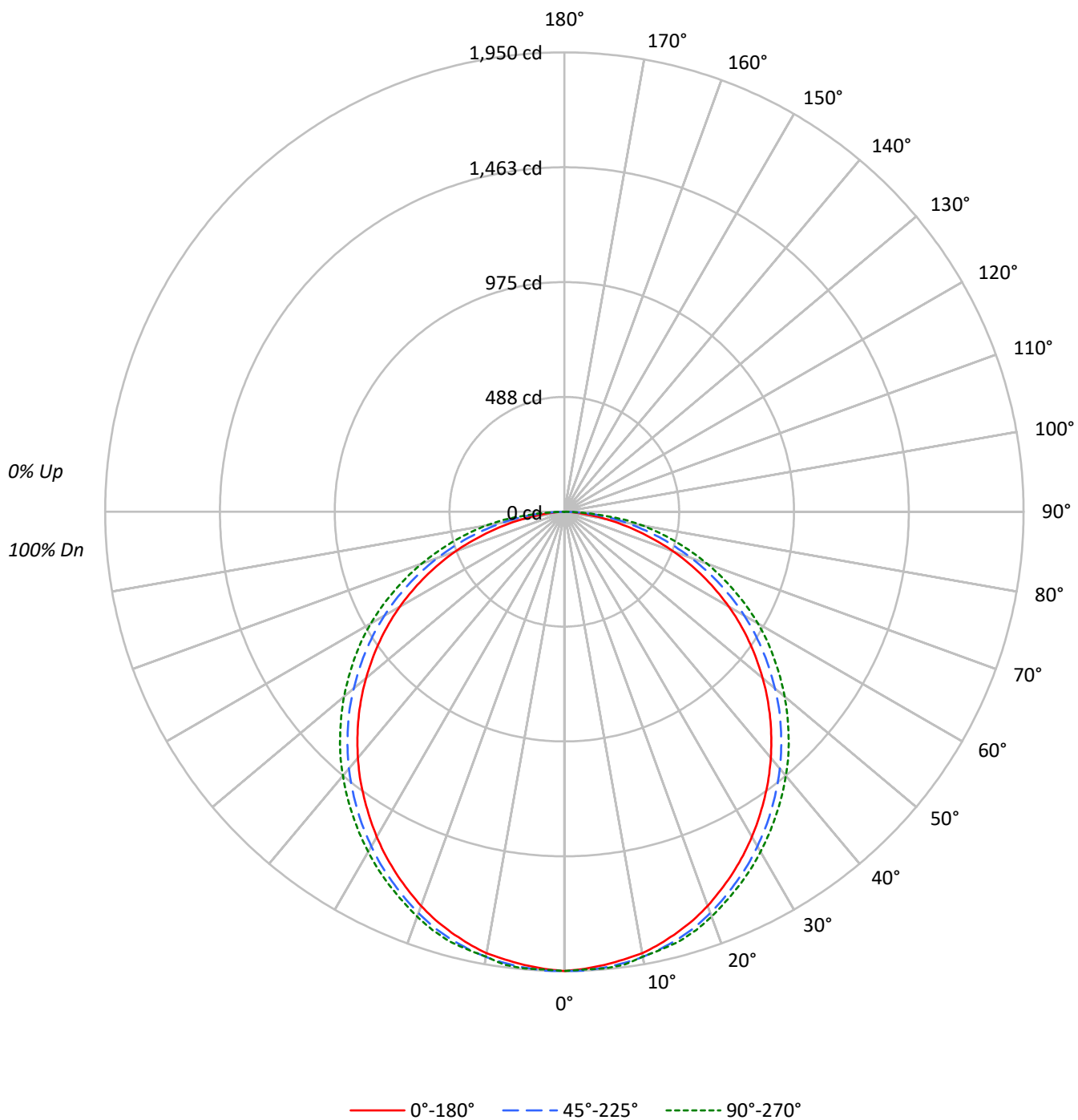
Lumens per Lamp: N/A
Luminaire Lumens: 5671.0 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

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°	2986	2986	2986
5°	2969	2986	2992
10°	2960	2985	2983
15°	2933	2975	2993
20°	2901	2955	2981
25°	2860	2925	2963
30°	2818	2900	2947
35°	2771	2872	2933
40°	2727	2847	2925
45°	2677	2817	2917
50°	2619	2782	2910
55°	2554	2746	2906
60°	2474	2705	2907
65°	2361	2649	2892
70°	2207	2568	2884
75°	1956	2469	2895
80°	1593	2346	2980
85°	1030	2165	2573

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3020 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.5	3.3
10°-20°	528.3	9.3
20°-30°	796.5	14.0
30°-40°	958.4	16.9
40°-50°	999.7	17.6
50°-60°	916.4	16.2
60°-70°	719.6	12.7
70°-80°	437.9	7.7
80°-90°	129.6	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°	1509.3	26.6
0°-40°	2467.8	43.5
0°-60°	4383.9	77.3
0°-90°	5671.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5671.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1950	1950	1950	1950	1950	
5°	1931	1943	1942	1940	1946	183
15°	1850	1868	1876	1879	1887	522
25°	1692	1715	1731	1742	1753	780
35°	1482	1505	1536	1558	1569	928
45°	1236	1261	1300	1331	1347	953
55°	956	981	1028	1070	1088	855
65°	652	676	731	780	798	644
75°	331	361	417	467	489	351
85°	59	83	123	138	146	76
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1949.5	1949.5	1949.5	1949.5	1949.5
2.5°	1942.2	1951.9	1949.5	1941.0	1944.6
5°	1931.2	1943.4	1942.2	1939.7	1945.8
7.5°	1917.8	1931.2	1932.4	1932.4	1939.7
10°	1903.1	1916.6	1919.0	1915.3	1917.8
12.5°	1878.7	1894.6	1899.5	1899.5	1903.1
15°	1849.5	1867.8	1876.3	1878.7	1887.3
17.5°	1817.7	1837.3	1848.2	1854.3	1861.7
20°	1779.9	1800.7	1812.9	1820.2	1828.7
22.5°	1737.2	1760.4	1773.8	1781.1	1790.9
25°	1692.1	1715.3	1731.1	1742.1	1753.1
27.5°	1644.5	1666.5	1688.4	1701.8	1711.6
30°	1593.3	1616.4	1639.6	1656.7	1666.5
32.5°	1538.4	1562.8	1589.6	1607.9	1618.9
35°	1482.2	1505.4	1535.9	1557.9	1568.9
37.5°	1424.9	1449.3	1481.0	1504.2	1517.6
40°	1363.9	1389.5	1423.7	1449.3	1462.7
42.5°	1300.5	1324.9	1362.7	1392.0	1407.8
45°	1235.8	1261.4	1300.5	1331.0	1346.8
47.5°	1168.7	1193.1	1235.8	1271.2	1284.6
50°	1099.2	1122.4	1167.5	1205.3	1221.2
52.5°	1028.4	1052.8	1098.0	1138.2	1155.3
55°	956.4	980.8	1028.4	1069.9	1088.2
57.5°	883.2	907.6	956.4	999.1	1021.1
60°	807.6	832.0	883.2	927.2	949.1
62.5°	729.5	755.2	807.6	852.8	875.9
65°	651.5	675.9	730.8	779.6	797.9
67.5°	573.4	597.8	651.5	700.3	722.2
70°	492.9	520.9	573.4	624.6	644.1
72.5°	408.7	440.4	492.9	546.5	566.1
75°	330.6	361.1	417.2	467.2	489.2
77.5°	253.8	286.7	339.1	390.4	412.3
80°	180.6	212.3	266.0	314.7	337.9
82.5°	114.7	142.7	196.4	240.3	257.4
85°	58.6	83.0	123.2	137.9	146.4
87.5°	17.1	29.3	43.9	54.9	61.0
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	16.0	17.7	16.4	18.0	18.3
	3H	17.1	18.6	17.4	18.9	19.3	18.1	19.6	18.5	19.9	20.3
	4H	17.7	19.1	18.1	19.5	19.8	19.0	20.4	19.4	20.7	21.1
	6H	18.1	19.4	18.5	19.8	20.2	19.7	21.0	20.1	21.4	21.8
	8H	18.2	19.5	18.6	19.8	20.2	20.0	21.3	20.4	21.7	22.1
	12H	18.2	19.5	18.7	19.8	20.3	20.2	21.4	20.6	21.8	22.2
4H	2H	16.1	17.5	16.5	17.8	18.2	16.6	18.1	17.0	18.4	18.8
	3H	18.1	19.3	18.5	19.7	20.1	19.0	20.1	19.4	20.5	20.9
	4H	18.8	19.9	19.2	20.3	20.7	20.0	21.1	20.4	21.5	21.9
	6H	19.3	20.3	19.8	20.7	21.2	20.9	21.8	21.3	22.3	22.7
	8H	19.5	20.4	19.9	20.8	21.3	21.2	22.1	21.7	22.6	23.0
	12H	19.6	20.4	20.0	20.8	21.3	21.5	22.3	22.0	22.8	23.2
8H	4H	19.2	20.1	19.7	20.6	21.0	20.3	21.2	20.7	21.6	22.1
	6H	19.9	20.7	20.4	21.1	21.6	21.3	22.1	21.8	22.6	23.0
	8H	20.1	20.8	20.6	21.3	21.8	21.8	22.5	22.3	23.0	23.5
	12H	20.3	20.8	20.8	21.3	21.9	22.2	22.7	22.7	23.2	23.8
12H	4H	19.3	20.1	19.8	20.6	21.1	20.3	21.1	20.8	21.6	22.0
	6H	20.0	20.7	20.6	21.2	21.7	21.4	22.1	21.9	22.5	23.1
	8H	20.3	20.9	20.8	21.4	22.0	21.9	22.5	22.4	23.0	23.6

(END OF REPORT)