

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: P1589871

Luminaire Tested: 24CZSP-SB-57-L950

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1589871
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-57-L950
Description: 2x4 CZSP LED Luminaire, 5000K CCT and 5000 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

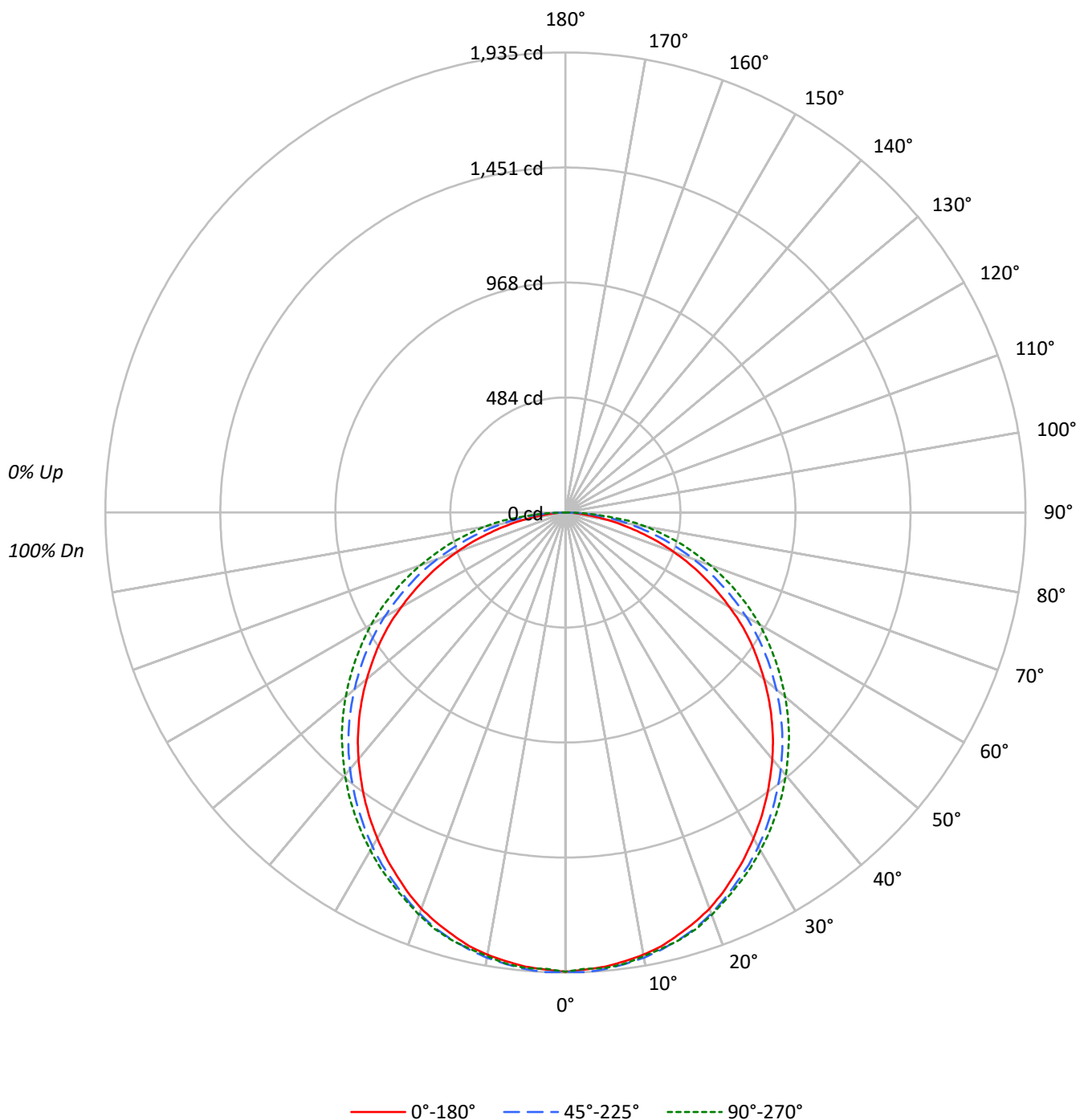
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5637.0 lumens
Efficiency: N/A
Efficacy: 137.8 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): 40.9
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°	2958	2958	2958
5°	2948	2964	2957
10°	2937	2958	2947
15°	2915	2946	2949
20°	2890	2925	2934
25°	2843	2893	2913
30°	2798	2870	2901
35°	2753	2842	2891
40°	2707	2817	2884
45°	2657	2791	2881
50°	2598	2760	2874
55°	2539	2730	2874
60°	2445	2690	2891
65°	2331	2638	2893
70°	2175	2565	2901
75°	1935	2471	2951
80°	1589	2367	3062
85°	1049	2223	2768

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3135 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.7	3.2
10°-20°	523.0	9.3
20°-30°	788.3	14.0
30°-40°	949.3	16.8
40°-50°	991.8	17.6
50°-60°	911.2	16.2
60°-70°	717.5	12.7
70°-80°	439.9	7.8
80°-90°	133.4	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°	1494.0	26.5
0°-40°	2443.3	43.3
0°-60°	4346.2	77.1
0°-90°	5637.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5637.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1932	1932	1932	1932	1932	
5°	1917	1921	1928	1926	1923	182
15°	1838	1846	1858	1865	1860	519
25°	1682	1693	1712	1730	1724	775
35°	1472	1491	1520	1547	1546	921
45°	1226	1253	1288	1324	1330	946
55°	951	978	1022	1067	1076	848
65°	643	676	728	777	798	636
75°	327	365	418	468	499	347
85°	60	88	126	141	158	77
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1931.6	1931.6	1931.6	1931.6	1931.6
2.5°	1924.4	1929.2	1935.2	1925.6	1920.8
5°	1917.3	1920.8	1928.0	1925.6	1923.2
7.5°	1904.1	1906.5	1916.1	1916.1	1913.7
10°	1888.6	1893.4	1901.7	1900.6	1894.6
12.5°	1868.3	1871.9	1881.5	1881.5	1877.9
15°	1838.5	1845.7	1857.6	1864.8	1860.0
17.5°	1807.5	1814.7	1830.2	1837.3	1834.9
20°	1772.9	1778.9	1794.4	1805.1	1800.3
22.5°	1729.9	1737.1	1755.0	1766.9	1762.2
25°	1682.2	1693.0	1712.1	1729.9	1724.0
27.5°	1634.5	1646.4	1670.3	1688.2	1685.8
30°	1582.0	1597.5	1622.6	1645.2	1640.5
32.5°	1528.3	1546.2	1572.5	1596.3	1595.1
35°	1472.2	1491.3	1520.0	1547.4	1546.2
37.5°	1412.6	1435.3	1465.1	1494.9	1496.1
40°	1354.1	1375.6	1409.0	1441.2	1442.4
42.5°	1292.1	1314.8	1350.6	1384.0	1385.1
45°	1226.5	1252.7	1288.5	1324.3	1330.3
47.5°	1159.7	1187.1	1224.1	1262.3	1269.4
50°	1090.5	1119.1	1158.5	1199.0	1206.2
52.5°	1020.1	1049.9	1090.5	1131.0	1141.8
55°	950.9	978.3	1022.5	1066.6	1076.1
57.5°	878.1	903.2	950.9	997.4	1009.3
60°	798.2	829.2	878.1	924.6	943.7
62.5°	720.6	754.0	804.1	850.7	872.1
65°	643.1	676.5	727.8	776.7	798.2
67.5°	564.3	598.9	653.8	700.3	724.2
70°	485.6	520.2	572.7	622.8	647.8
72.5°	406.8	443.8	495.1	546.4	571.5
75°	326.9	365.1	417.6	467.7	498.7
77.5°	251.7	288.7	341.2	392.5	418.8
80°	180.2	217.1	268.4	319.7	347.2
82.5°	114.5	149.1	199.2	242.2	267.2
85°	59.7	88.3	126.5	140.8	157.5
87.5°	17.9	34.6	48.9	54.9	68.0
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	16.9	15.6	17.3	17.6	16.0	17.7	16.4	18.0	18.3
	3H	17.0	18.6	17.4	18.9	19.2	18.1	19.6	18.5	20.0	20.3
	4H	17.7	19.1	18.1	19.4	19.8	19.0	20.4	19.4	20.8	21.2
	6H	18.1	19.4	18.5	19.8	20.2	19.8	21.1	20.2	21.5	21.8
	8H	18.2	19.5	18.6	19.8	20.2	20.1	21.3	20.5	21.7	22.1
	12H	18.2	19.5	18.7	19.8	20.3	20.3	21.5	20.7	21.9	22.3
4H	2H	16.1	17.5	16.5	17.8	18.2	16.6	18.1	17.0	18.4	18.8
	3H	18.0	19.2	18.5	19.6	20.0	19.0	20.2	19.4	20.6	21.0
	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	21.9	21.4	22.3	22.8
	8H	19.5	20.4	19.9	20.8	21.3	21.3	22.2	21.8	22.6	23.1
	12H	19.6	20.4	20.0	20.8	21.3	21.6	22.4	22.1	22.9	23.3
8H	4H	19.3	20.1	19.7	20.6	21.0	20.3	21.2	20.8	21.6	22.1
	6H	19.9	20.7	20.4	21.2	21.6	21.4	22.1	21.9	22.6	23.1
	8H	20.1	20.8	20.7	21.3	21.8	21.9	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	23.9
12H	4H	19.3	20.1	19.8	20.6	21.1	20.3	21.1	20.8	21.6	22.1
	6H	20.1	20.7	20.6	21.2	21.7	21.4	22.1	22.0	22.6	23.1
	8H	20.3	20.9	20.9	21.4	22.0	22.0	22.6	22.5	23.1	23.6

(END OF REPORT)