

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: P1590005

Luminaire Tested: 24CZSP-SB-75-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590005
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-75-L935
Description: 2x4 CZSP LED Luminaire, 3500K CCT and 7500 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

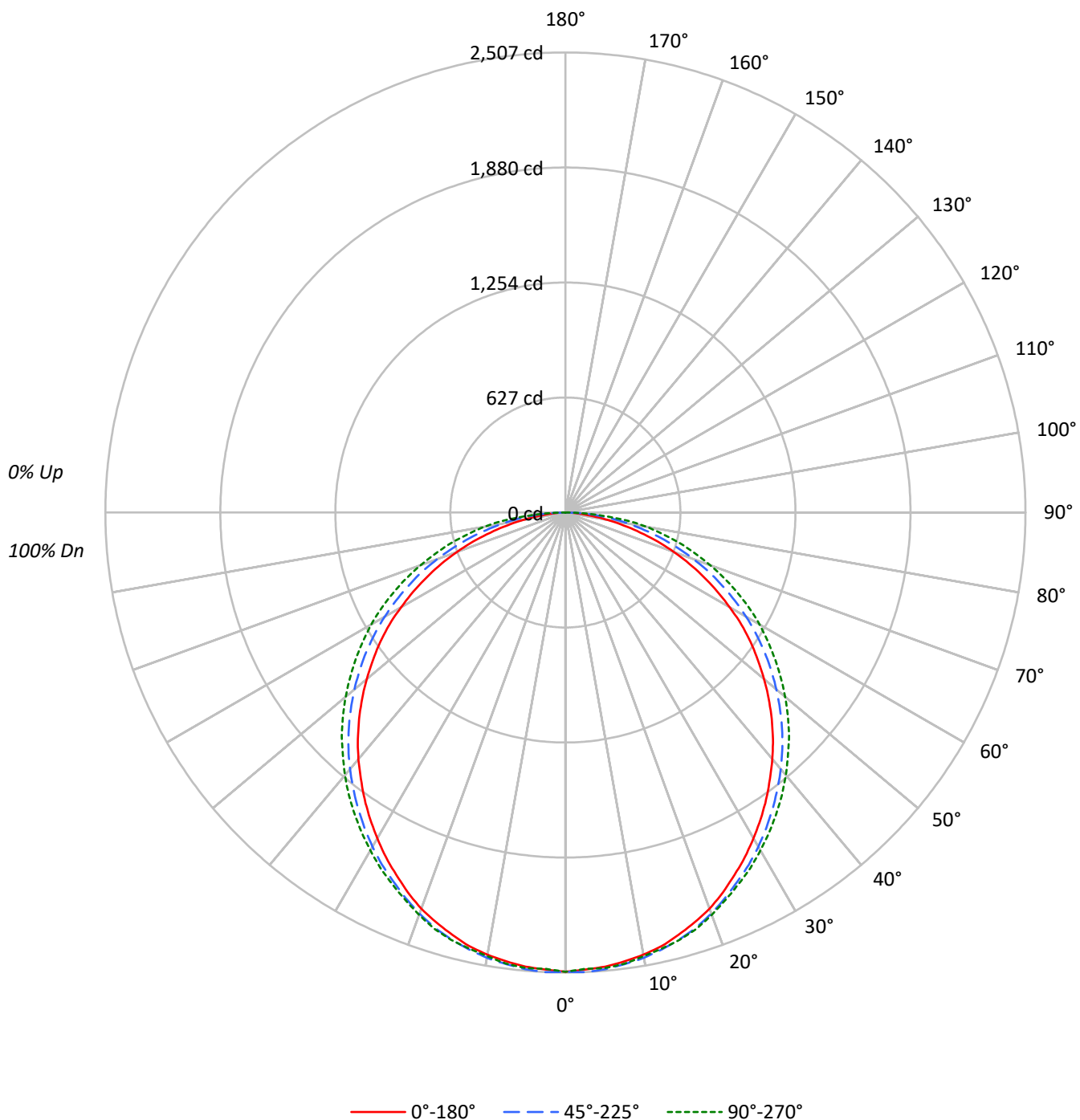
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7304.0 lumens
Efficiency: N/A
Efficacy: 122.8 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): 59.5
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°	3833	3833	3833
5°	3819	3841	3831
10°	3806	3832	3818
15°	3777	3817	3821
20°	3744	3790	3802
25°	3684	3749	3775
30°	3625	3718	3759
35°	3567	3683	3746
40°	3508	3650	3737
45°	3442	3616	3734
50°	3367	3577	3724
55°	3290	3538	3723
60°	3168	3485	3746
65°	3020	3418	3748
70°	2818	3323	3759
75°	2507	3202	3824
80°	2059	3068	3968
85°	1358	2880	3587

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 4064 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.8	3.2
10°-20°	677.7	9.3
20°-30°	1021.4	14.0
30°-40°	1230.0	16.8
40°-50°	1285.1	17.6
50°-60°	1180.6	16.2
60°-70°	929.7	12.7
70°-80°	570.0	7.8
80°-90°	172.8	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°	1935.8	26.5
0°-40°	3165.8	43.3
0°-60°	5631.5	77.1
0°-90°	7304.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7304.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2503	2503	2503	2503	2503	
5°	2484	2489	2498	2495	2492	236
15°	2382	2392	2407	2416	2410	672
25°	2180	2194	2218	2242	2234	1005
35°	1908	1932	1970	2005	2004	1193
45°	1589	1623	1670	1716	1724	1226
55°	1232	1268	1325	1382	1394	1099
65°	833	876	943	1006	1034	824
75°	424	473	541	606	646	450
85°	77	114	164	182	204	99
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2502.8	2502.8	2502.8	2502.8	2502.8
2.5°	2493.5	2499.7	2507.4	2495.1	2488.9
5°	2484.2	2488.9	2498.2	2495.1	2492.0
7.5°	2467.2	2470.3	2482.7	2482.7	2479.6
10°	2447.1	2453.3	2464.1	2462.6	2454.9
12.5°	2420.9	2425.5	2437.9	2437.9	2433.2
15°	2382.2	2391.5	2406.9	2416.2	2410.0
17.5°	2342.0	2351.3	2371.4	2380.7	2377.6
20°	2297.2	2304.9	2325.0	2338.9	2332.7
22.5°	2241.5	2250.8	2274.0	2289.5	2283.3
25°	2179.7	2193.6	2218.3	2241.5	2233.8
27.5°	2117.9	2133.3	2164.2	2187.4	2184.3
30°	2049.8	2069.9	2102.4	2131.8	2125.6
32.5°	1980.3	2003.5	2037.5	2068.4	2066.8
35°	1907.6	1932.4	1969.5	2005.0	2003.5
37.5°	1830.3	1859.7	1898.3	1937.0	1938.5
40°	1754.6	1782.4	1825.7	1867.4	1869.0
42.5°	1674.2	1703.6	1749.9	1793.2	1794.8
45°	1589.2	1623.2	1669.6	1715.9	1723.7
47.5°	1502.6	1538.2	1586.1	1635.5	1644.8
50°	1412.9	1450.0	1501.1	1553.6	1562.9
52.5°	1321.7	1360.4	1412.9	1465.5	1479.4
55°	1232.1	1267.6	1324.8	1382.0	1394.4
57.5°	1137.8	1170.2	1232.1	1292.4	1307.8
60°	1034.2	1074.4	1137.8	1198.1	1222.8
62.5°	933.7	977.0	1041.9	1102.2	1130.0
65°	833.2	876.5	943.0	1006.4	1034.2
67.5°	731.2	776.0	847.1	907.4	938.4
70°	629.2	674.0	742.0	807.0	839.4
72.5°	527.1	575.1	641.5	708.0	740.5
75°	423.6	473.0	541.1	606.0	646.2
77.5°	326.2	374.1	442.1	508.6	542.6
80°	233.4	281.4	347.8	414.3	449.9
82.5°	148.4	193.2	258.2	313.8	346.3
85°	77.3	114.4	163.9	182.4	204.1
87.5°	23.2	44.8	63.4	71.1	88.1
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	16.2	17.8	16.5	18.2	18.5	16.9	18.6	17.3	18.9	19.2
	3H	17.9	19.5	18.3	19.8	20.1	19.0	20.5	19.4	20.9	21.2
	4H	18.6	20.0	19.0	20.3	20.7	19.9	21.3	20.3	21.7	22.1
	6H	19.0	20.3	19.4	20.7	21.1	20.7	22.0	21.1	22.4	22.8
	8H	19.1	20.4	19.5	20.7	21.1	21.0	22.2	21.4	22.6	23.0
	12H	19.1	20.4	19.6	20.7	21.2	21.2	22.4	21.6	22.8	23.2
4H	2H	17.0	18.4	17.3	18.7	19.1	17.5	19.0	17.9	19.3	19.7
	3H	18.9	20.1	19.4	20.5	20.9	19.9	21.1	20.3	21.5	21.9
	4H	19.7	20.8	20.1	21.2	21.6	20.9	22.0	21.3	22.4	22.8
	6H	20.2	21.2	20.7	21.6	22.1	21.8	22.8	22.3	23.2	23.7
	8H	20.4	21.3	20.8	21.7	22.2	22.2	23.1	22.7	23.5	24.0
	12H	20.5	21.3	20.9	21.7	22.2	22.5	23.3	23.0	23.8	24.2
8H	4H	20.2	21.0	20.6	21.5	21.9	21.2	22.1	21.7	22.5	23.0
	6H	20.8	21.6	21.3	22.1	22.5	22.3	23.0	22.8	23.5	24.0
	8H	21.0	21.7	21.6	22.2	22.7	22.8	23.4	23.3	23.9	24.4
	12H	21.2	21.8	21.7	22.3	22.8	23.1	23.7	23.6	24.2	24.8
12H	4H	20.2	21.0	20.7	21.5	22.0	21.2	22.0	21.7	22.5	23.0
	6H	21.0	21.6	21.5	22.1	22.6	22.3	23.0	22.9	23.5	24.0
	8H	21.2	21.8	21.8	22.3	22.9	22.9	23.5	23.4	24.0	24.5

(END OF REPORT)