

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: P1590010

Luminaire Tested: 24CZSP-SB-75-L950-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590010
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-75-L950-S
Description: 2x4 CZSP LED Luminaire, 5000K CCT and 7500 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

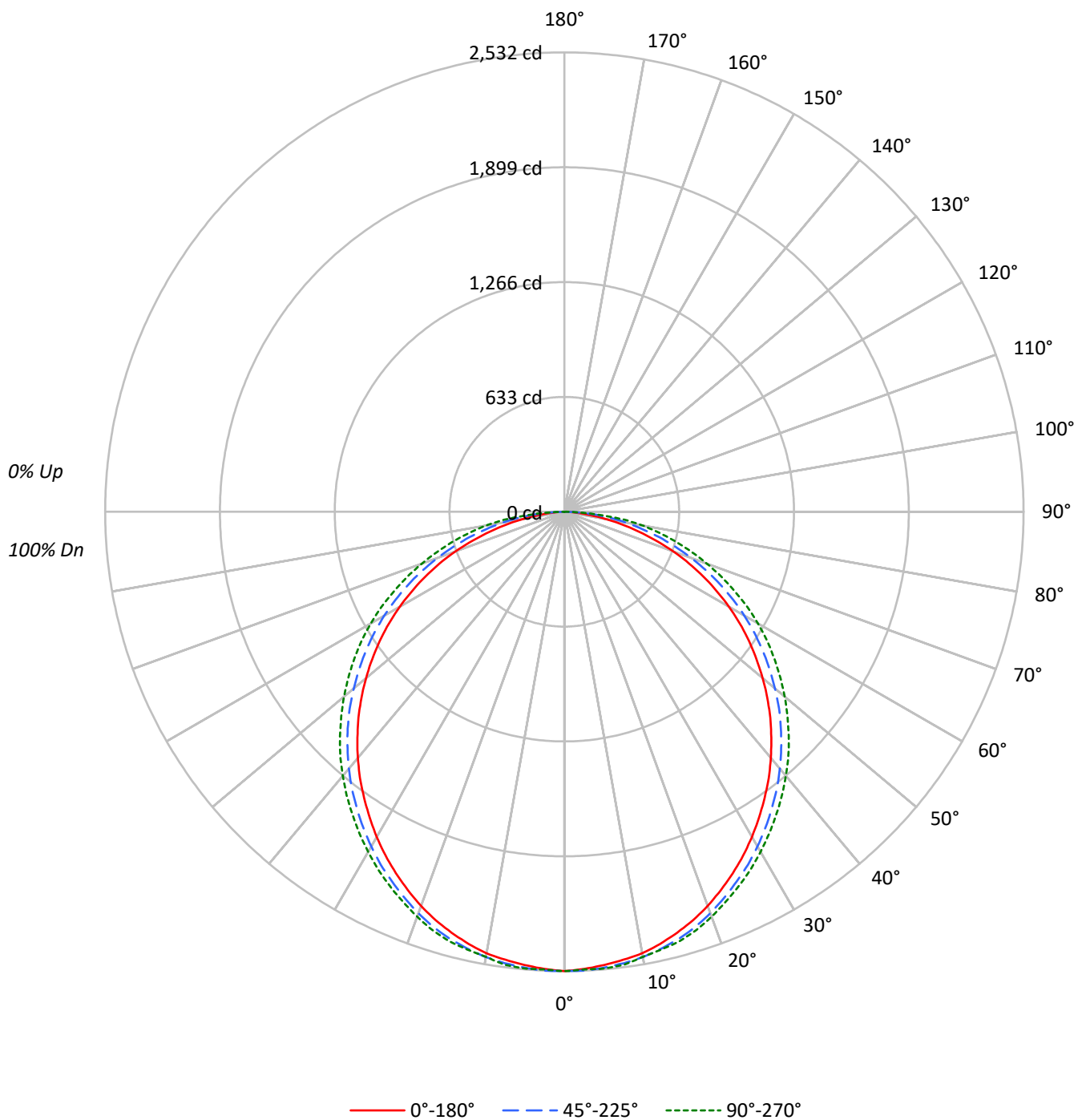
Lumens per Lamp: N/A
Luminaire Lumens: 7365.0 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 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
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	94	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	64	87	77	69	63	74	67	62		71	66	61		69
4	82	70	61	54	79	68	60	53	66	58	53		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	45	39		50
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45
8	60	46	38	32	58	45	37	31	44	37	31		43	36	31		42
9	56	42	34	28	54	42	34	28	41	33	28		39	33	28		38
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3878	3878	3878
5°	3856	3878	3885
10°	3844	3876	3874
15°	3809	3864	3886
20°	3768	3837	3871
25°	3714	3799	3848
30°	3660	3766	3828
35°	3599	3730	3810
40°	3542	3697	3798
45°	3477	3658	3789
50°	3401	3613	3779
55°	3317	3566	3774
60°	3213	3514	3776
65°	3066	3439	3755
70°	2866	3335	3746
75°	2541	3207	3760
80°	2068	3047	3871
85°	1337	2812	3341

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3923 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.6	3.3
10°-20°	686.1	9.3
20°-30°	1034.5	14.0
30°-40°	1244.7	16.9
40°-50°	1298.4	17.6
50°-60°	1190.1	16.2
60°-70°	934.5	12.7
70°-80°	568.8	7.7
80°-90°	168.3	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°	1960.2	26.6
0°-40°	3204.9	43.5
0°-60°	5693.4	77.3
0°-90°	7365.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7365.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2532	2532	2532	2532	2532	
5°	2508	2524	2522	2519	2527	238
15°	2402	2426	2437	2440	2451	678
25°	2198	2228	2248	2262	2277	1013
35°	1925	1955	1995	2023	2038	1205
45°	1605	1638	1689	1729	1749	1238
55°	1242	1274	1336	1390	1413	1110
65°	846	878	949	1012	1036	837
75°	429	469	542	607	635	455
85°	76	108	160	179	190	99
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2531.8	2531.8	2531.8	2531.8	2531.8
2.5°	2522.3	2535.0	2531.8	2520.7	2525.5
5°	2508.1	2523.9	2522.3	2519.2	2527.1
7.5°	2490.6	2508.1	2509.7	2509.7	2519.2
10°	2471.6	2489.1	2492.2	2487.5	2490.6
12.5°	2439.9	2460.5	2466.9	2466.9	2471.6
15°	2401.9	2425.7	2436.8	2439.9	2451.0
17.5°	2360.7	2386.1	2400.3	2408.3	2417.8
20°	2311.6	2338.5	2354.4	2363.9	2375.0
22.5°	2256.2	2286.3	2303.7	2313.2	2325.9
25°	2197.5	2227.6	2248.2	2262.5	2276.7
27.5°	2135.7	2164.3	2192.8	2210.2	2222.9
30°	2069.2	2099.3	2129.4	2151.6	2164.3
32.5°	1997.9	2029.6	2064.4	2088.2	2102.5
35°	1925.0	1955.1	1994.7	2023.2	2037.5
37.5°	1850.6	1882.2	1923.4	1953.5	1971.0
40°	1771.3	1804.6	1849.0	1882.2	1899.7
42.5°	1688.9	1720.6	1769.7	1807.8	1828.4
45°	1605.0	1638.2	1688.9	1728.6	1749.2
47.5°	1517.8	1549.5	1605.0	1650.9	1668.3
50°	1427.5	1457.6	1516.2	1565.4	1586.0
52.5°	1335.6	1367.3	1425.9	1478.2	1500.4
55°	1242.2	1273.8	1335.6	1389.5	1413.3
57.5°	1147.1	1178.8	1242.2	1297.6	1326.1
60°	1048.9	1080.5	1147.1	1204.1	1232.6
62.5°	947.5	980.7	1048.9	1107.5	1137.6
65°	846.1	877.7	949.0	1012.4	1036.2
67.5°	744.7	776.3	846.1	909.4	938.0
70°	640.1	676.5	744.7	811.2	836.6
72.5°	530.8	572.0	640.1	709.8	735.2
75°	429.4	469.0	541.9	606.8	635.3
77.5°	329.6	372.3	440.5	507.0	535.5
80°	234.5	275.7	345.4	408.8	438.9
82.5°	148.9	185.4	255.1	312.1	334.3
85°	76.1	107.7	160.0	179.0	190.1
87.5°	22.2	38.0	57.0	71.3	79.2
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	17.9	16.6	18.2	18.5	16.9	18.6	17.3	18.9	19.2
	3H	18.0	19.5	18.4	19.8	20.2	19.0	20.5	19.4	20.9	21.2
	4H	18.6	20.0	19.0	20.4	20.7	19.9	21.3	20.3	21.7	22.0
	6H	19.0	20.3	19.4	20.7	21.1	20.6	22.0	21.0	22.3	22.7
	8H	19.1	20.4	19.5	20.8	21.2	20.9	22.2	21.4	22.6	23.0
	12H	19.2	20.4	19.6	20.7	21.2	21.1	22.3	21.6	22.7	23.1
4H	2H	17.0	18.4	17.4	18.7	19.1	17.5	19.0	17.9	19.3	19.7
	3H	19.0	20.2	19.4	20.6	21.0	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	22.7	22.2	23.2	23.6
	8H	20.4	21.3	20.8	21.7	22.2	22.2	23.0	22.6	23.5	23.9
	12H	20.5	21.3	20.9	21.7	22.2	22.4	23.2	22.9	23.7	24.1
8H	4H	20.2	21.0	20.6	21.5	22.0	21.2	22.1	21.6	22.5	23.0
	6H	20.8	21.6	21.3	22.0	22.5	22.2	23.0	22.7	23.5	23.9
	8H	21.0	21.7	21.5	22.2	22.7	22.7	23.4	23.2	23.9	24.4
	12H	21.2	21.8	21.7	22.2	22.8	23.1	23.6	23.6	24.1	24.7
12H	4H	20.2	21.0	20.7	21.5	22.0	21.2	22.0	21.7	22.5	22.9
	6H	21.0	21.6	21.5	22.1	22.6	22.3	23.0	22.8	23.4	24.0
	8H	21.2	21.8	21.7	22.3	22.9	22.8	23.4	23.3	23.9	24.5

(END OF REPORT)