

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: P1590022

Luminaire Tested: 24CZSP-SB-75VHE-L930-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590022
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-75VHE-L930-S
Description: 2x4 CZSP LED Luminaire, 3000K CCT and 8000 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

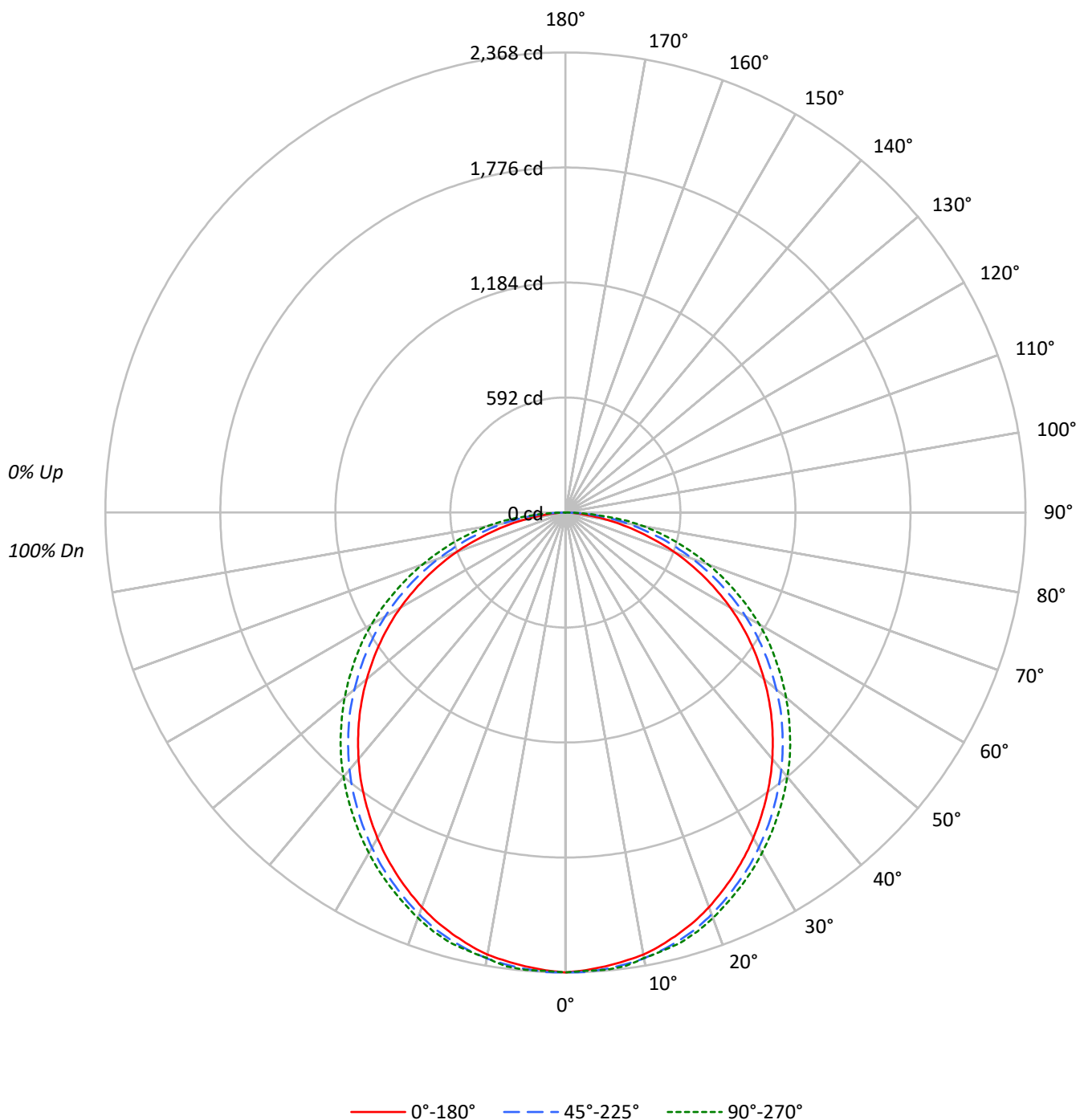
Lumens per Lamp: N/A
Luminaire Lumens: 6887.0 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 56.9
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
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°	3626	3626	3626
5°	3606	3626	3633
10°	3595	3625	3622
15°	3561	3613	3634
20°	3523	3588	3620
25°	3473	3553	3598
30°	3422	3522	3579
35°	3366	3488	3562
40°	3312	3457	3552
45°	3251	3421	3543
50°	3181	3378	3534
55°	3102	3335	3529
60°	3004	3286	3531
65°	2867	3216	3511
70°	2680	3118	3503
75°	2376	2999	3516
80°	1934	2849	3620
85°	1249	2629	3125

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3668 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.0	3.3
10°-20°	641.6	9.3
20°-30°	967.3	14.0
30°-40°	1164.0	16.9
40°-50°	1214.1	17.6
50°-60°	1112.9	16.2
60°-70°	873.9	12.7
70°-80°	531.9	7.7
80°-90°	157.3	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°	1833.0	26.6
0°-40°	2996.9	43.5
0°-60°	5323.9	77.3
0°-90°	6887.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6887.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2368	2368	2368	2368	2368	
5°	2345	2360	2359	2356	2363	223
15°	2246	2268	2279	2282	2292	634
25°	2055	2083	2102	2116	2129	947
35°	1800	1828	1865	1892	1905	1126
45°	1501	1532	1579	1616	1636	1157
55°	1162	1191	1249	1299	1322	1038
65°	791	821	887	947	969	783
75°	402	438	507	567	594	426
85°	71	101	150	167	178	93
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2367.5	2367.5	2367.5	2367.5	2367.5
2.5°	2358.6	2370.5	2367.5	2357.1	2361.6
5°	2345.3	2360.1	2358.6	2355.7	2363.1
7.5°	2329.0	2345.3	2346.8	2346.8	2355.7
10°	2311.2	2327.5	2330.5	2326.0	2329.0
12.5°	2281.6	2300.8	2306.8	2306.8	2311.2
15°	2246.0	2268.2	2278.6	2281.6	2292.0
17.5°	2207.5	2231.2	2244.5	2252.0	2260.8
20°	2161.6	2186.8	2201.6	2210.5	2220.8
22.5°	2109.7	2137.9	2154.2	2163.1	2174.9
25°	2054.9	2083.1	2102.3	2115.6	2129.0
27.5°	1997.1	2023.8	2050.5	2066.8	2078.6
30°	1934.9	1963.0	1991.2	2011.9	2023.8
32.5°	1868.2	1897.9	1930.5	1952.7	1966.0
35°	1800.1	1828.2	1865.3	1891.9	1905.3
37.5°	1730.4	1760.1	1798.6	1826.7	1843.0
40°	1656.4	1687.5	1729.0	1760.1	1776.4
42.5°	1579.3	1609.0	1654.9	1690.4	1709.7
45°	1500.8	1531.9	1579.3	1616.4	1635.6
47.5°	1419.3	1449.0	1500.8	1543.8	1560.1
50°	1334.9	1363.0	1417.8	1463.8	1483.0
52.5°	1248.9	1278.6	1333.4	1382.3	1403.0
55°	1161.5	1191.2	1248.9	1299.3	1321.5
57.5°	1072.6	1102.3	1161.5	1213.4	1240.1
60°	980.8	1010.4	1072.6	1126.0	1152.6
62.5°	886.0	917.1	980.8	1035.6	1063.8
65°	791.1	820.8	887.4	946.7	968.9
67.5°	696.3	726.0	791.1	850.4	877.1
70°	598.5	632.6	696.3	758.6	782.3
72.5°	496.3	534.8	598.5	663.7	687.4
75°	401.5	438.5	506.7	567.4	594.1
77.5°	308.2	348.2	411.9	474.1	500.8
80°	219.3	257.8	323.0	382.2	410.4
82.5°	139.3	173.3	238.5	291.9	312.6
85°	71.1	100.7	149.6	167.4	177.8
87.5°	20.7	35.6	53.3	66.7	74.1
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	16.0	17.6	16.3	17.9	18.3	16.7	18.4	17.1	18.7	19.0
	3H	17.7	19.2	18.1	19.6	19.9	18.8	20.3	19.2	20.6	21.0
	4H	18.4	19.8	18.8	20.1	20.5	19.7	21.1	20.1	21.4	21.8
	6H	18.8	20.1	19.2	20.5	20.8	20.4	21.7	20.8	22.1	22.5
	8H	18.9	20.1	19.3	20.5	20.9	20.7	22.0	21.1	22.3	22.7
	12H	18.9	20.1	19.4	20.5	20.9	20.9	22.1	21.3	22.5	22.9
4H	2H	16.7	18.2	17.1	18.5	18.9	17.3	18.7	17.7	19.1	19.5
	3H	18.7	19.9	19.1	20.3	20.7	19.6	20.8	20.0	21.2	21.6
	4H	19.5	20.6	19.9	21.0	21.4	20.6	21.7	21.1	22.1	22.6
	6H	20.0	21.0	20.5	21.4	21.8	21.6	22.5	22.0	22.9	23.4
	8H	20.1	21.0	20.6	21.5	21.9	21.9	22.8	22.4	23.2	23.7
	12H	20.2	21.0	20.7	21.5	22.0	22.2	23.0	22.7	23.4	23.9
8H	4H	19.9	20.8	20.4	21.3	21.7	20.9	21.8	21.4	22.3	22.7
	6H	20.6	21.3	21.1	21.8	22.3	22.0	22.7	22.5	23.2	23.7
	8H	20.8	21.5	21.3	22.0	22.5	22.5	23.1	23.0	23.6	24.1
	12H	20.9	21.5	21.4	22.0	22.6	22.8	23.4	23.3	23.9	24.5
12H	4H	20.0	20.8	20.5	21.3	21.7	21.0	21.8	21.4	22.2	22.7
	6H	20.7	21.4	21.2	21.9	22.4	22.1	22.7	22.6	23.2	23.7
	8H	21.0	21.6	21.5	22.1	22.6	22.6	23.2	23.1	23.7	24.2

(END OF REPORT)