

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: P1590023

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

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590023
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-75VHE-L930
Description: 2x4 CZSP LED Luminaire, 3000K CCT and 8000 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

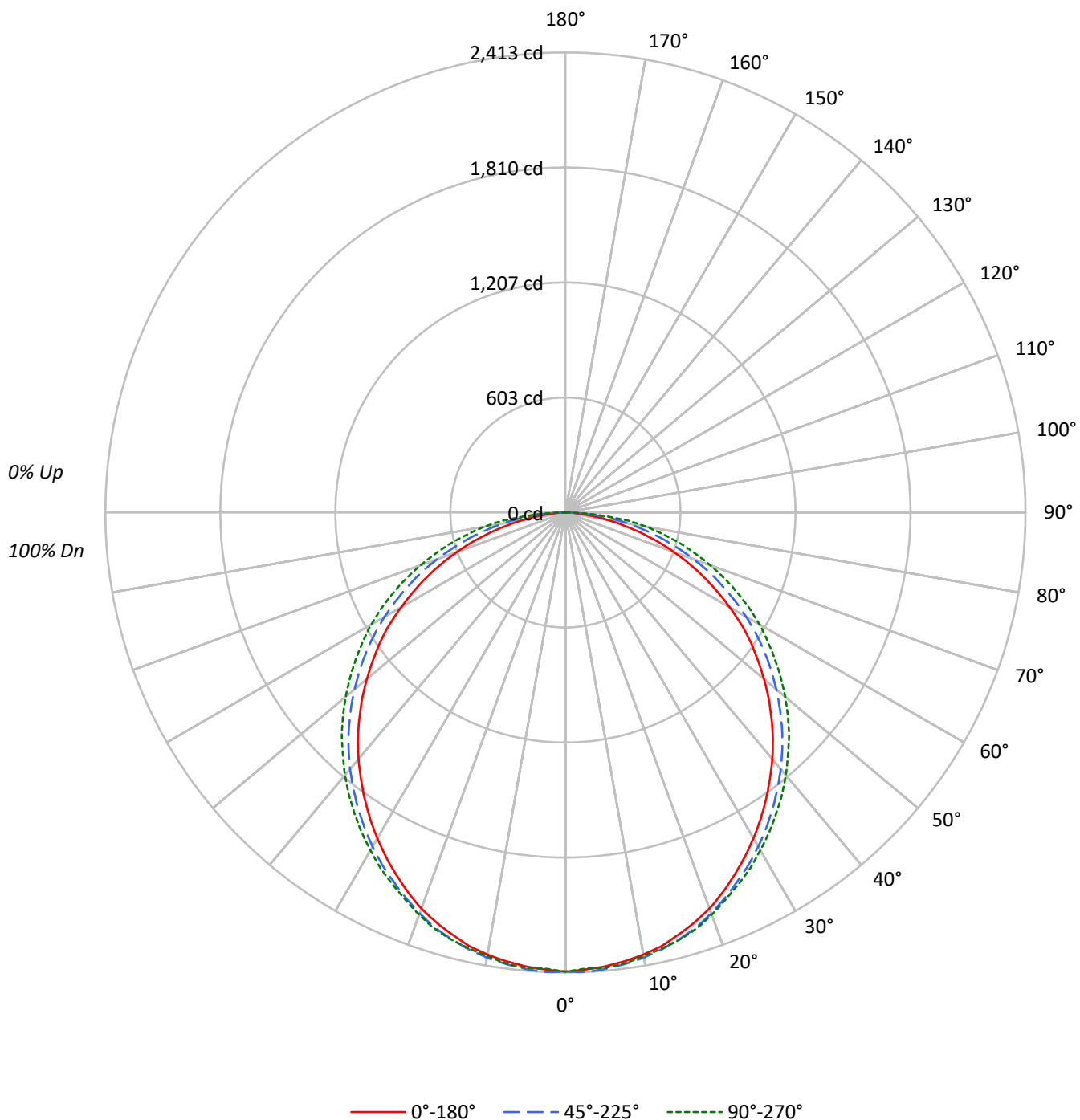
Lumens per Lamp: N/A
Luminaire Lumens: 7028.0 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 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			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°	3688	3688	3688
5°	3675	3696	3687
10°	3662	3688	3674
15°	3635	3672	3677
20°	3603	3646	3659
25°	3544	3607	3632
30°	3488	3578	3617
35°	3432	3543	3605
40°	3376	3512	3596
45°	3312	3480	3592
50°	3239	3441	3583
55°	3166	3404	3583
60°	3048	3354	3604
65°	2905	3289	3606
70°	2711	3197	3617
75°	2412	3081	3680
80°	1981	2952	3818
85°	1307	2771	3450

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3910 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.8	3.2
10°-20°	652.0	9.3
20°-30°	982.8	14.0
30°-40°	1183.5	16.8
40°-50°	1236.5	17.6
50°-60°	1136.0	16.2
60°-70°	894.6	12.7
70°-80°	548.5	7.8
80°-90°	166.3	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°	1862.7	26.5
0°-40°	3046.2	43.3
0°-60°	5418.7	77.1
0°-90°	7028.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7028.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2408	2408	2408	2408	2408	
5°	2390	2395	2404	2401	2398	227
15°	2292	2301	2316	2325	2319	647
25°	2097	2111	2134	2157	2149	967
35°	1836	1859	1895	1929	1928	1148
45°	1529	1562	1606	1651	1658	1179
55°	1186	1220	1275	1330	1342	1058
65°	802	843	907	968	995	793
75°	408	455	521	583	622	433
85°	74	110	158	176	196	96
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2408.2	2408.2	2408.2	2408.2	2408.2
2.5°	2399.3	2405.2	2412.7	2400.8	2394.8
5°	2390.4	2394.8	2403.8	2400.8	2397.8
7.5°	2374.0	2377.0	2388.9	2388.9	2385.9
10°	2354.7	2360.6	2371.0	2369.5	2362.1
12.5°	2329.4	2333.8	2345.7	2345.7	2341.3
15°	2292.2	2301.1	2316.0	2324.9	2319.0
17.5°	2253.5	2262.4	2281.8	2290.7	2287.7
20°	2210.4	2217.8	2237.2	2250.5	2244.6
22.5°	2156.8	2165.8	2188.1	2202.9	2197.0
25°	2097.3	2110.7	2134.5	2156.8	2149.4
27.5°	2037.8	2052.7	2082.5	2104.8	2101.8
30°	1972.4	1991.7	2023.0	2051.2	2045.3
32.5°	1905.4	1927.8	1960.5	1990.2	1988.7
35°	1835.5	1859.3	1895.0	1929.2	1927.8
37.5°	1761.2	1789.4	1826.6	1863.8	1865.3
40°	1688.3	1715.1	1756.7	1796.9	1798.4
42.5°	1610.9	1639.2	1683.8	1725.5	1727.0
45°	1529.1	1561.8	1606.5	1651.1	1658.5
47.5°	1445.8	1480.0	1526.1	1573.7	1582.7
50°	1359.5	1395.2	1444.3	1494.9	1503.8
52.5°	1271.8	1309.0	1359.5	1410.1	1423.5
55°	1185.5	1219.7	1274.8	1329.8	1341.7
57.5°	1094.8	1126.0	1185.5	1243.5	1258.4
60°	995.1	1033.8	1094.8	1152.8	1176.6
62.5°	898.4	940.1	1002.6	1060.6	1087.3
65°	801.7	843.4	907.4	968.3	995.1
67.5°	703.6	746.7	815.1	873.1	902.9
70°	605.4	648.5	714.0	776.5	807.7
72.5°	507.2	553.3	617.3	681.3	712.5
75°	407.6	455.2	520.6	583.1	621.8
77.5°	313.9	360.0	425.4	489.4	522.1
80°	224.6	270.7	334.7	398.6	432.9
82.5°	142.8	185.9	248.4	302.0	333.2
85°	74.4	110.1	157.7	175.5	196.3
87.5°	22.3	43.1	61.0	68.4	84.8
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	17.7	16.4	18.0	18.3	16.8	18.5	17.2	18.8	19.1
	3H	17.8	19.3	18.2	19.6	20.0	18.9	20.4	19.3	20.7	21.1
	4H	18.4	19.9	18.8	20.2	20.6	19.8	21.2	20.2	21.5	21.9
	6H	18.8	20.2	19.3	20.5	20.9	20.5	21.9	21.0	22.2	22.6
	8H	19.0	20.2	19.4	20.6	21.0	20.9	22.1	21.3	22.5	22.9
	12H	19.0	20.2	19.4	20.6	21.0	21.1	22.3	21.5	22.7	23.1
4H	2H	16.8	18.2	17.2	18.6	19.0	17.4	18.8	17.8	19.2	19.5
	3H	18.8	20.0	19.2	20.4	20.8	19.7	20.9	20.1	21.3	21.7
	4H	19.6	20.7	20.0	21.1	21.5	20.8	21.8	21.2	22.3	22.7
	6H	20.1	21.1	20.6	21.5	21.9	21.7	22.6	22.1	23.1	23.5
	8H	20.2	21.1	20.7	21.6	22.0	22.1	23.0	22.5	23.4	23.9
	12H	20.3	21.1	20.8	21.6	22.1	22.4	23.2	22.8	23.6	24.1
8H	4H	20.0	20.9	20.5	21.4	21.8	21.1	22.0	21.5	22.4	22.9
	6H	20.7	21.4	21.2	21.9	22.4	22.1	22.9	22.6	23.4	23.9
	8H	20.9	21.6	21.4	22.1	22.6	22.6	23.3	23.1	23.8	24.3
	12H	21.1	21.7	21.6	22.1	22.7	23.0	23.6	23.5	24.1	24.6
12H	4H	20.1	20.9	20.6	21.4	21.8	21.1	21.9	21.6	22.4	22.8
	6H	20.8	21.5	21.4	22.0	22.5	22.2	22.9	22.7	23.3	23.9
	8H	21.1	21.7	21.6	22.2	22.8	22.8	23.3	23.3	23.8	24.4

(END OF REPORT)