

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: P1590031

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

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590031
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-L950
Description: 2x4 CZSP LED Luminaire, 5000K CCT and 8000 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

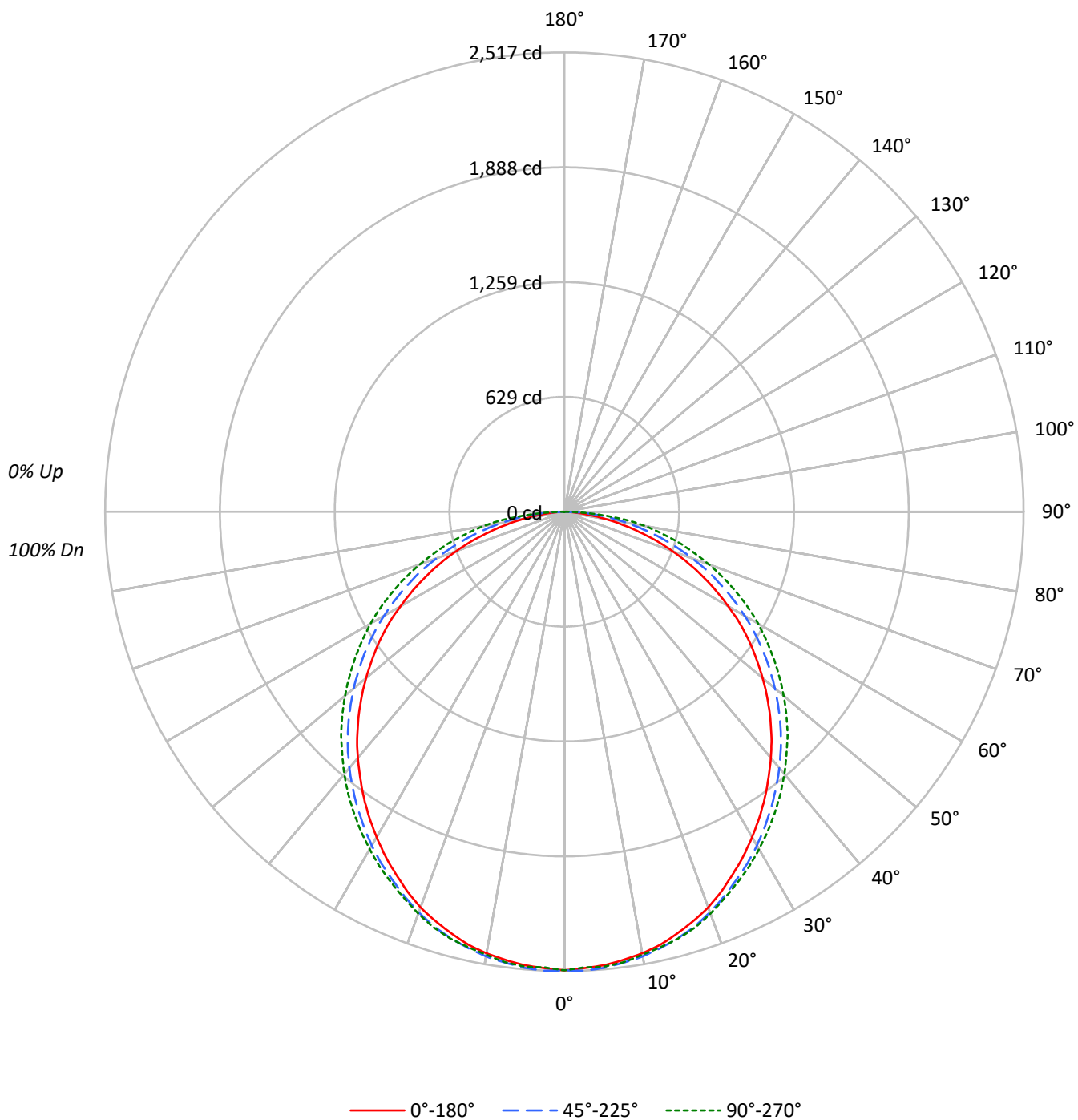
Lumens per Lamp: N/A
Luminaire Lumens: 7333.0 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

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°	3849	3849	3849
5°	3835	3856	3847
10°	3821	3848	3833
15°	3792	3832	3837
20°	3759	3805	3817
25°	3698	3764	3790
30°	3640	3733	3774
35°	3581	3697	3761
40°	3522	3665	3752
45°	3456	3631	3748
50°	3380	3591	3739
55°	3303	3552	3738
60°	3181	3499	3761
65°	3032	3431	3763
70°	2829	3336	3774
75°	2517	3215	3839
80°	2067	3080	3983
85°	1364	2891	3601

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 4080 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.7	3.2
10°-20°	680.3	9.3
20°-30°	1025.4	14.0
30°-40°	1234.9	16.8
40°-50°	1290.1	17.6
50°-60°	1185.3	16.2
60°-70°	933.4	12.7
70°-80°	572.3	7.8
80°-90°	173.5	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°	1943.5	26.5
0°-40°	3178.4	43.3
0°-60°	5653.8	77.1
0°-90°	7333.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7333.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2513	2513	2513	2513	2513	
5°	2494	2499	2508	2505	2502	237
15°	2392	2401	2416	2426	2420	675
25°	2188	2202	2227	2250	2243	1009
35°	1915	1940	1977	2013	2011	1198
45°	1596	1630	1676	1723	1730	1231
55°	1237	1273	1330	1388	1400	1104
65°	836	880	947	1010	1038	827
75°	425	475	543	608	649	452
85°	78	115	164	183	205	100
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2512.7	2512.7	2512.7	2512.7	2512.7
2.5°	2503.4	2509.6	2517.4	2505.0	2498.8
5°	2494.1	2498.8	2508.1	2505.0	2501.9
7.5°	2477.0	2480.1	2492.5	2492.5	2489.4
10°	2456.9	2463.1	2473.9	2472.4	2464.6
12.5°	2430.5	2435.1	2447.5	2447.5	2442.9
15°	2391.7	2401.0	2416.5	2425.8	2419.6
17.5°	2351.3	2360.6	2380.8	2390.1	2387.0
20°	2306.3	2314.1	2334.2	2348.2	2342.0
22.5°	2250.4	2259.7	2283.0	2298.5	2292.3
25°	2188.4	2202.3	2227.2	2250.4	2242.7
27.5°	2126.3	2141.8	2172.8	2196.1	2193.0
30°	2058.0	2078.2	2110.8	2140.2	2134.0
32.5°	1988.1	2011.4	2045.6	2076.6	2075.1
35°	1915.2	1940.0	1977.3	2013.0	2011.4
37.5°	1837.6	1867.1	1905.9	1944.7	1946.2
40°	1761.5	1789.5	1832.9	1874.8	1876.4
42.5°	1680.8	1710.3	1756.9	1800.3	1801.9
45°	1595.5	1629.6	1676.2	1722.7	1730.5
47.5°	1508.6	1544.3	1592.4	1642.0	1651.4
50°	1418.5	1455.8	1507.0	1559.8	1569.1
52.5°	1327.0	1365.8	1418.5	1471.3	1485.3
55°	1237.0	1272.7	1330.1	1387.5	1399.9
57.5°	1142.3	1174.9	1237.0	1297.5	1313.0
60°	1038.3	1078.7	1142.3	1202.8	1227.7
62.5°	937.4	980.9	1046.1	1106.6	1134.5
65°	836.5	880.0	946.7	1010.4	1038.3
67.5°	734.1	779.1	850.5	911.0	942.1
70°	631.7	676.7	745.0	810.2	842.7
72.5°	529.2	577.4	644.1	710.8	743.4
75°	425.3	474.9	543.2	608.4	648.7
77.5°	327.5	375.6	443.9	510.6	544.8
80°	234.4	282.5	349.2	415.9	451.6
82.5°	149.0	194.0	259.2	315.1	347.7
85°	77.6	114.8	164.5	183.1	204.9
87.5°	23.3	45.0	63.6	71.4	88.5
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	18.3	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	22.1
	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	20.8	21.2	21.0	22.3	21.4	22.7	23.0
	12H	19.2	20.4	19.6	20.7	21.2	21.2	22.4	21.6	22.8	23.2
4H	2H	17.0	18.4	17.4	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	22.8	22.3	23.2	23.7
	8H	20.4	21.3	20.9	21.7	22.2	22.2	23.1	22.7	23.6	24.0
	12H	20.5	21.3	21.0	21.8	22.2	22.5	23.3	23.0	23.8	24.2
8H	4H	20.2	21.1	20.6	21.5	22.0	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	21.1	21.7	21.6	22.2	22.7	22.8	23.4	23.3	24.0	24.4
	12H	21.2	21.8	21.7	22.3	22.9	23.2	23.7	23.7	24.2	24.8
12H	4H	20.2	21.1	20.7	21.5	22.0	21.2	22.0	21.7	22.5	23.0
	6H	21.0	21.7	21.5	22.1	22.7	22.4	23.0	22.9	23.5	24.0
	8H	21.3	21.9	21.8	22.3	22.9	22.9	23.5	23.4	24.0	24.5

(END OF REPORT)