

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: P1590004

Luminaire Tested: 24CZSP-SB-75-L935-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590004
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-L935-S
Description: 2x4 CZSP LED Luminaire, 3500K CCT and 7500 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

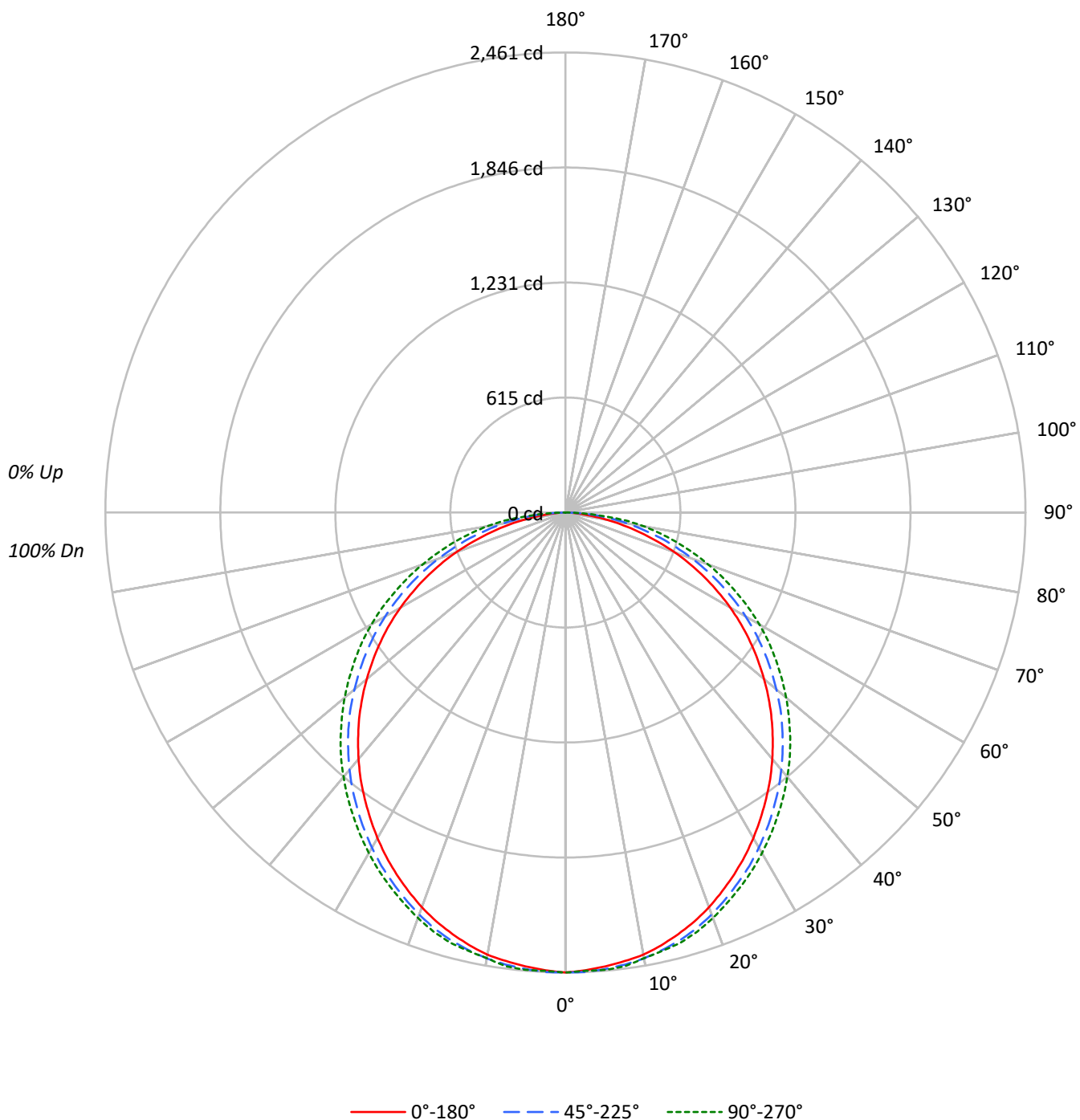
Lumens per Lamp: N/A
Luminaire Lumens: 7158.0 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

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			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	94	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	69
3	89	79	70	64	87	77	69	63	74	67	62		71	66	61		69	64	60	58
4	82	70	61	54	79	68	60	53	66	58	53		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	45	39		50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	38	32	58	45	37	31	44	37	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3769	3769	3769
5°	3748	3769	3776
10°	3736	3767	3765
15°	3702	3755	3777
20°	3662	3730	3762
25°	3609	3693	3740
30°	3557	3660	3720
35°	3498	3625	3703
40°	3442	3593	3691
45°	3379	3556	3682
50°	3306	3511	3673
55°	3224	3466	3668
60°	3123	3415	3670
65°	2980	3343	3650
70°	2786	3241	3641
75°	2469	3116	3654
80°	2010	2961	3762
85°	1299	2733	3248

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3812 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.9	3.3
10°-20°	666.8	9.3
20°-30°	1005.4	14.0
30°-40°	1209.8	16.9
40°-50°	1261.9	17.6
50°-60°	1156.6	16.2
60°-70°	908.3	12.7
70°-80°	552.8	7.7
80°-90°	163.5	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°	1905.1	26.6
0°-40°	3114.9	43.5
0°-60°	5533.4	77.3
0°-90°	7158.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7158.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2461	2461	2461	2461	2461	
5°	2438	2453	2451	2448	2456	232
15°	2334	2358	2368	2371	2382	659
25°	2136	2165	2185	2199	2213	984
35°	1871	1900	1939	1966	1980	1171
45°	1560	1592	1642	1680	1700	1203
55°	1207	1238	1298	1350	1374	1079
65°	822	853	922	984	1007	813
75°	417	456	527	590	618	442
85°	74	105	156	174	185	96
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2460.7	2460.7	2460.7	2460.7	2460.7
2.5°	2451.4	2463.8	2460.7	2449.9	2454.5
5°	2437.6	2453.0	2451.4	2448.4	2456.1
7.5°	2420.6	2437.6	2439.1	2439.1	2448.4
10°	2402.2	2419.1	2422.2	2417.6	2420.6
12.5°	2371.4	2391.4	2397.5	2397.5	2402.2
15°	2334.4	2357.5	2368.3	2371.4	2382.1
17.5°	2294.4	2319.0	2332.9	2340.6	2349.8
20°	2246.6	2272.8	2288.2	2297.4	2308.2
22.5°	2192.7	2222.0	2238.9	2248.2	2260.5
25°	2135.8	2165.0	2185.0	2198.9	2212.8
27.5°	2075.7	2103.4	2131.1	2148.1	2160.4
30°	2011.0	2040.3	2069.6	2091.1	2103.4
32.5°	1941.7	1972.5	2006.4	2029.5	2043.4
35°	1870.9	1900.2	1938.7	1966.4	1980.2
37.5°	1798.5	1829.3	1869.4	1898.6	1915.6
40°	1721.5	1753.9	1797.0	1829.3	1846.3
42.5°	1641.5	1672.3	1720.0	1757.0	1777.0
45°	1559.9	1592.2	1641.5	1680.0	1700.0
47.5°	1475.2	1506.0	1559.9	1604.5	1621.5
50°	1387.4	1416.7	1473.6	1521.4	1541.4
52.5°	1298.1	1328.9	1385.9	1436.7	1458.2
55°	1207.2	1238.0	1298.1	1350.4	1373.5
57.5°	1114.8	1145.6	1207.2	1261.1	1288.9
60°	1019.4	1050.2	1114.8	1170.3	1198.0
62.5°	920.8	953.2	1019.4	1076.4	1105.6
65°	822.3	853.1	922.4	984.0	1007.1
67.5°	723.7	754.5	822.3	883.9	911.6
70°	622.1	657.5	723.7	788.4	813.0
72.5°	515.8	555.9	622.1	689.9	714.5
75°	417.3	455.8	526.6	589.8	617.5
77.5°	320.3	361.9	428.1	492.8	520.5
80°	227.9	267.9	335.7	397.3	426.5
82.5°	144.7	180.2	247.9	303.3	324.9
85°	73.9	104.7	155.5	174.0	184.8
87.5°	21.6	37.0	55.4	69.3	77.0
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	16.1	17.8	16.5	18.1	18.4	16.8	18.5	17.2	18.8	19.1
	3H	17.9	19.4	18.3	19.7	20.1	18.9	20.4	19.3	20.8	21.1
	4H	18.5	19.9	18.9	20.3	20.6	19.8	21.2	20.2	21.6	21.9
	6H	18.9	20.2	19.3	20.6	21.0	20.5	21.9	20.9	22.2	22.6
	8H	19.0	20.3	19.4	20.7	21.1	20.8	22.1	21.3	22.5	22.9
	12H	19.1	20.3	19.5	20.6	21.1	21.0	22.2	21.5	22.6	23.0
4H	2H	16.9	18.3	17.3	18.6	19.0	17.4	18.9	17.8	19.2	19.6
	3H	18.9	20.1	19.3	20.5	20.9	19.8	21.0	20.2	21.4	21.8
	4H	19.6	20.7	20.0	21.1	21.5	20.8	21.9	21.2	22.3	22.7
	6H	20.1	21.1	20.6	21.5	22.0	21.7	22.6	22.1	23.1	23.5
	8H	20.3	21.2	20.7	21.6	22.1	22.1	22.9	22.5	23.4	23.8
	12H	20.4	21.2	20.8	21.6	22.1	22.3	23.1	22.8	23.6	24.1
8H	4H	20.1	20.9	20.5	21.4	21.9	21.1	22.0	21.5	22.4	22.9
	6H	20.7	21.5	21.2	21.9	22.4	22.1	22.9	22.6	23.4	23.8
	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	23.5	23.5	24.0	24.6
12H	4H	20.1	20.9	20.6	21.4	21.9	21.1	21.9	21.6	22.4	22.8
	6H	20.9	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	22.7	23.3	23.2	23.8	24.4

(END OF REPORT)