

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: P1589995

Luminaire Tested: 24CZSP-SB-75-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1589995
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-75-L835
Description: 2x4 CZSP LED Luminaire, 3500K CCT and 7500 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

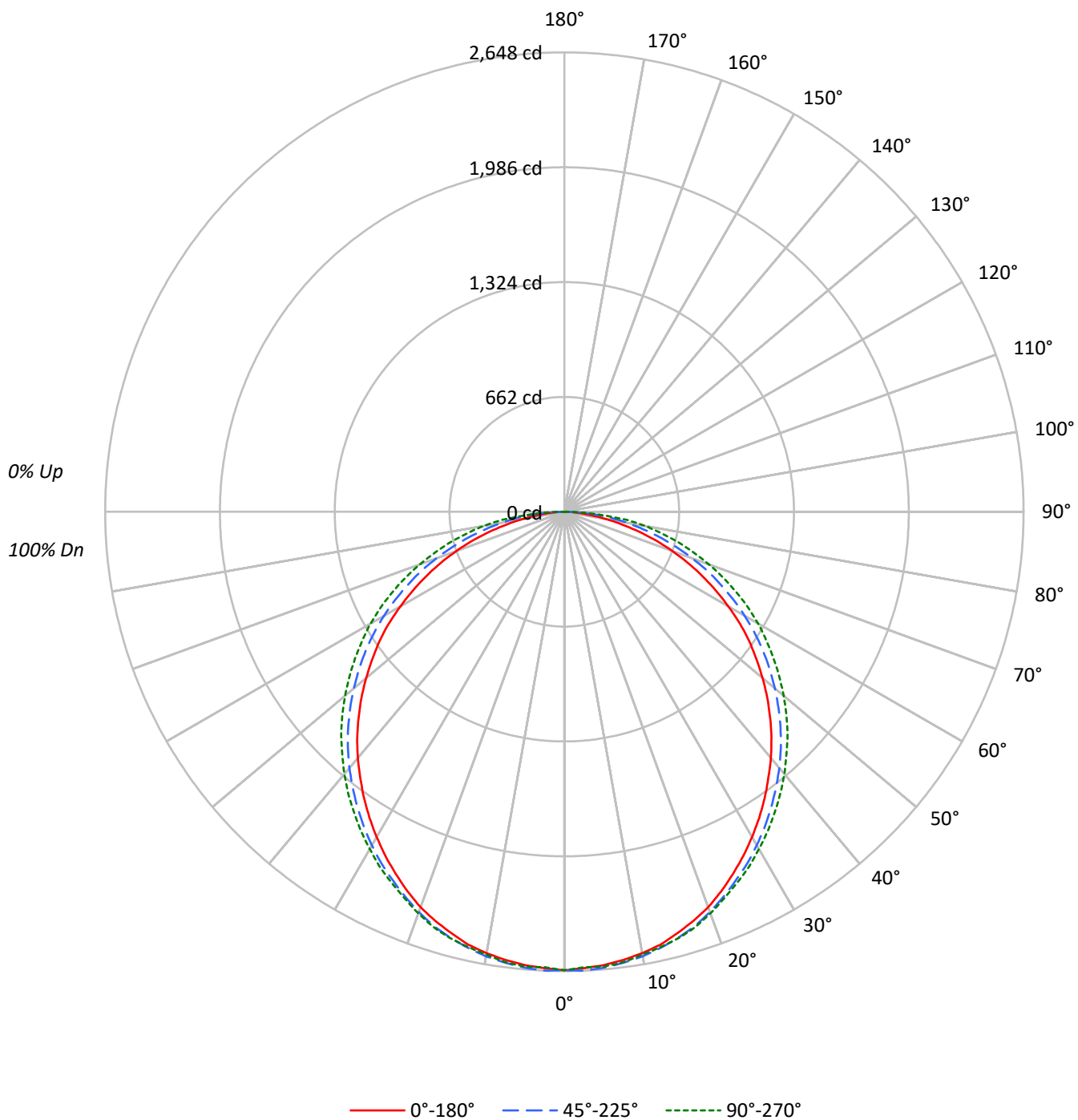
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7712.0 lumens
Efficiency: N/A
Efficacy: 129.6 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): 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	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°	4047	4047	4047
5°	4033	4055	4045
10°	4018	4046	4031
15°	3988	4030	4035
20°	3953	4001	4014
25°	3889	3958	3986
30°	3828	3926	3969
35°	3766	3888	3955
40°	3704	3854	3946
45°	3634	3818	3942
50°	3555	3776	3932
55°	3474	3735	3931
60°	3345	3680	3955
65°	3189	3609	3958
70°	2975	3509	3969
75°	2646	3381	4038
80°	2174	3240	4190
85°	1434	3040	3787

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 4290 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.0	3.2
10°-20°	715.5	9.3
20°-30°	1078.4	14.0
30°-40°	1298.7	16.8
40°-50°	1356.8	17.6
50°-60°	1246.6	16.2
60°-70°	981.6	12.7
70°-80°	601.8	7.8
80°-90°	182.5	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°	2043.9	26.5
0°-40°	3342.7	43.3
0°-60°	5946.1	77.1
0°-90°	7712.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7712.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2643	2643	2643	2643	2643	
5°	2623	2628	2638	2634	2631	249
15°	2515	2525	2541	2551	2545	710
25°	2302	2316	2342	2367	2359	1061
35°	2014	2040	2080	2117	2115	1260
45°	1678	1714	1763	1812	1820	1294
55°	1301	1338	1399	1459	1472	1161
65°	880	926	996	1063	1092	870
75°	447	500	571	640	682	475
85°	82	121	173	193	216	105
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2642.6	2642.6	2642.6	2642.6	2642.6
2.5°	2632.8	2639.3	2647.5	2634.4	2627.9
5°	2623.0	2627.9	2637.7	2634.4	2631.2
7.5°	2605.1	2608.3	2621.4	2621.4	2618.1
10°	2583.8	2590.4	2601.8	2600.2	2592.0
12.5°	2556.1	2561.0	2574.0	2574.0	2569.1
15°	2515.3	2525.1	2541.4	2551.2	2544.7
17.5°	2472.8	2482.6	2503.9	2513.6	2510.4
20°	2425.5	2433.7	2454.9	2469.6	2463.0
22.5°	2366.7	2376.5	2401.0	2417.3	2410.8
25°	2301.5	2316.1	2342.3	2366.7	2358.6
27.5°	2236.2	2252.5	2285.1	2309.6	2306.4
30°	2164.3	2185.6	2219.8	2250.9	2244.3
32.5°	2090.9	2115.4	2151.3	2183.9	2182.3
35°	2014.2	2040.3	2079.5	2117.0	2115.4
37.5°	1932.6	1963.6	2004.4	2045.2	2046.8
40°	1852.6	1882.0	1927.7	1971.7	1973.4
42.5°	1767.7	1798.7	1847.7	1893.4	1895.0
45°	1677.9	1713.9	1762.8	1811.8	1819.9
47.5°	1586.5	1624.1	1674.7	1726.9	1736.7
50°	1491.9	1531.0	1584.9	1640.4	1650.2
52.5°	1395.6	1436.4	1491.9	1547.4	1562.1
55°	1300.9	1338.4	1398.8	1459.2	1472.3
57.5°	1201.3	1235.6	1300.9	1364.6	1380.9
60°	1092.0	1134.4	1201.3	1265.0	1291.1
62.5°	985.9	1031.6	1100.1	1163.8	1193.2
65°	879.8	925.5	995.7	1062.6	1092.0
67.5°	772.0	819.4	894.5	958.1	990.8
70°	664.3	711.7	783.5	852.0	886.3
72.5°	556.6	607.2	677.4	747.6	781.8
75°	447.2	499.5	571.3	639.8	682.3
77.5°	344.4	395.0	466.8	537.0	572.9
80°	246.5	297.1	367.3	437.4	475.0
82.5°	156.7	204.0	272.6	331.3	365.6
85°	81.6	120.8	173.0	192.6	215.5
87.5°	24.5	47.3	66.9	75.1	93.0
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	16.4	18.0	16.7	18.3	18.7	17.1	18.8	17.5	19.1	19.4
	3H	18.1	19.6	18.5	20.0	20.3	19.2	20.7	19.6	21.0	21.4
	4H	18.8	20.2	19.2	20.5	20.9	20.1	21.5	20.5	21.9	22.2
	6H	19.2	20.5	19.6	20.9	21.2	20.9	22.2	21.3	22.5	22.9
	8H	19.3	20.5	19.7	20.9	21.3	21.2	22.4	21.6	22.8	23.2
	12H	19.3	20.5	19.8	20.9	21.3	21.4	22.6	21.8	23.0	23.4
4H	2H	17.1	18.6	17.5	18.9	19.3	17.7	19.1	18.1	19.5	19.9
	3H	19.1	20.3	19.5	20.7	21.1	20.0	21.2	20.5	21.6	22.0
	4H	19.9	21.0	20.3	21.4	21.8	21.1	22.2	21.5	22.6	23.0
	6H	20.4	21.4	20.9	21.8	22.3	22.0	23.0	22.5	23.4	23.9
	8H	20.6	21.5	21.0	21.9	22.4	22.4	23.3	22.9	23.7	24.2
	12H	20.7	21.5	21.1	21.9	22.4	22.7	23.5	23.2	24.0	24.4
8H	4H	20.3	21.2	20.8	21.7	22.1	21.4	22.3	21.8	22.7	23.2
	6H	21.0	21.8	21.5	22.2	22.7	22.5	23.2	23.0	23.7	24.2
	8H	21.2	21.9	21.7	22.4	22.9	23.0	23.6	23.5	24.1	24.6
	12H	21.4	22.0	21.9	22.5	23.0	23.3	23.9	23.8	24.4	25.0
12H	4H	20.4	21.2	20.9	21.7	22.2	21.4	22.2	21.9	22.7	23.2
	6H	21.2	21.8	21.7	22.3	22.8	22.5	23.2	23.1	23.7	24.2
	8H	21.4	22.0	21.9	22.5	23.1	23.1	23.7	23.6	24.2	24.7

(END OF REPORT)