

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: P1589951

Luminaire Tested: 24CZSP-SB-65-L950

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1589951
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-65-L950
Description: 2x4 CZSP LED Luminaire, 5000K CCT and 6000 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

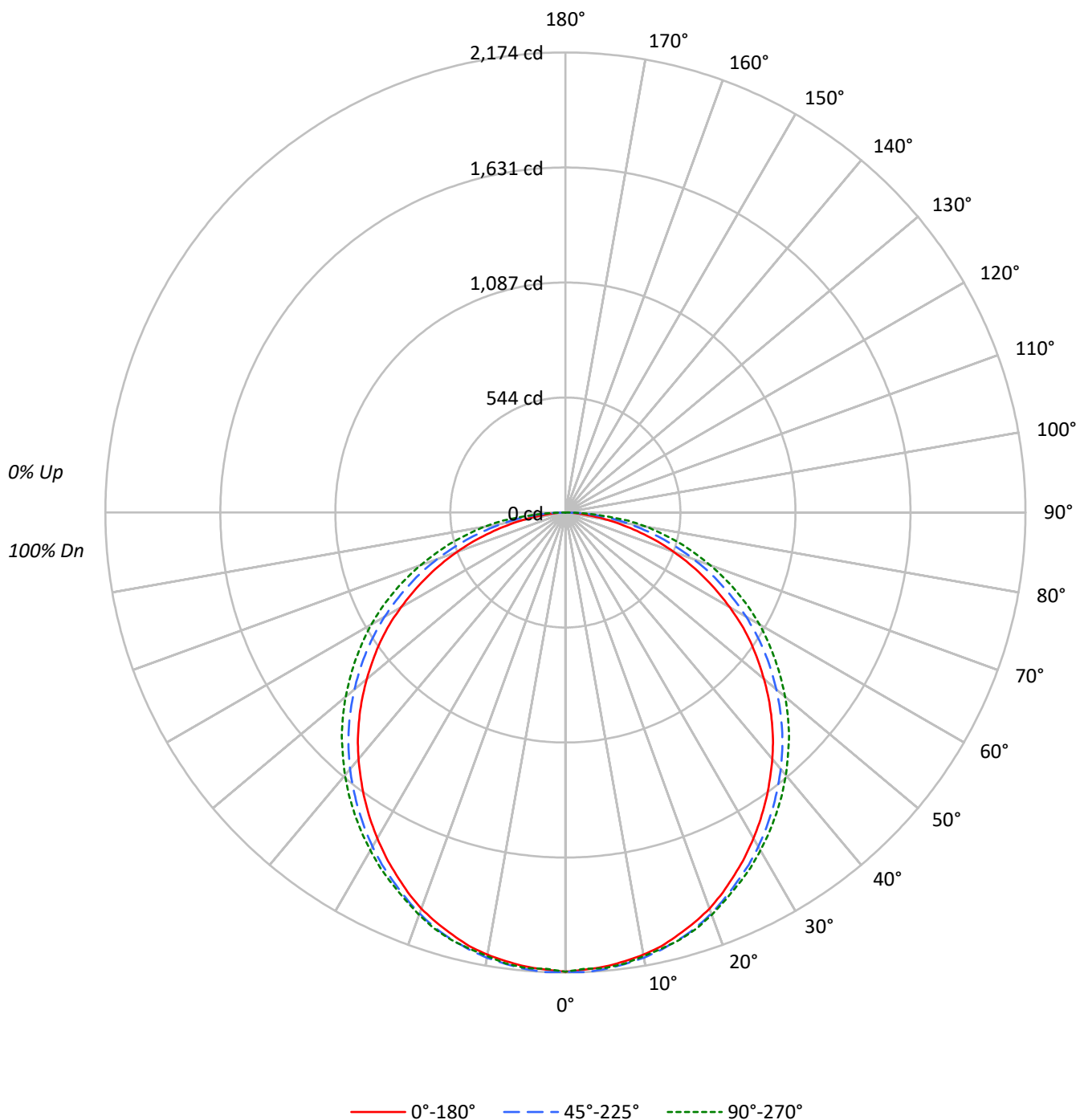
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6333.0 lumens
Efficiency: N/A
Efficacy: 132.2 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): 47.9
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	30	10	50	30	10
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°	3324	3324	3324
5°	3312	3330	3322
10°	3300	3323	3310
15°	3275	3309	3313
20°	3246	3286	3297
25°	3194	3250	3273
30°	3143	3224	3259
35°	3093	3193	3248
40°	3042	3165	3240
45°	2985	3136	3237
50°	2919	3101	3229
55°	2853	3067	3228
60°	2747	3022	3248
65°	2618	2963	3250
70°	2443	2881	3259
75°	2174	2776	3316
80°	1785	2660	3440
85°	1177	2497	3109

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3523 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.3	3.2
10°-20°	587.6	9.3
20°-30°	885.6	14.0
30°-40°	1066.5	16.8
40°-50°	1114.2	17.6
50°-60°	1023.7	16.2
60°-70°	806.1	12.7
70°-80°	494.2	7.8
80°-90°	149.9	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°	1678.5	26.5
0°-40°	2745.0	43.3
0°-60°	4882.8	77.1
0°-90°	6333.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6333.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2170	2170	2170	2170	2170	
5°	2154	2158	2166	2163	2161	205
15°	2066	2074	2087	2095	2090	583
25°	1890	1902	1923	1944	1937	871
35°	1654	1676	1708	1738	1737	1035
45°	1378	1407	1448	1488	1494	1063
55°	1068	1099	1149	1198	1209	953
65°	722	760	818	873	897	714
75°	367	410	469	525	560	390
85°	67	99	142	158	177	86
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2170.1	2170.1	2170.1	2170.1	2170.1
2.5°	2162.0	2167.4	2174.1	2163.4	2158.0
5°	2154.0	2158.0	2166.0	2163.4	2160.7
7.5°	2139.2	2141.9	2152.6	2152.6	2150.0
10°	2121.8	2127.2	2136.6	2135.2	2128.5
12.5°	2099.0	2103.0	2113.8	2113.8	2109.7
15°	2065.5	2073.6	2087.0	2095.0	2089.6
17.5°	2030.7	2038.7	2056.1	2064.2	2061.5
20°	1991.8	1998.5	2015.9	2028.0	2022.6
22.5°	1943.5	1951.6	1971.7	1985.1	1979.7
25°	1889.9	1902.0	1923.4	1943.5	1936.8
27.5°	1836.3	1849.7	1876.5	1896.6	1893.9
30°	1777.3	1794.8	1822.9	1848.4	1843.0
32.5°	1717.0	1737.1	1766.6	1793.4	1792.1
35°	1654.0	1675.5	1707.6	1738.5	1737.1
37.5°	1587.0	1612.5	1646.0	1679.5	1680.8
40°	1521.3	1545.5	1583.0	1619.2	1620.5
42.5°	1451.6	1477.1	1517.3	1554.8	1556.2
45°	1377.9	1407.4	1447.6	1487.8	1494.5
47.5°	1302.8	1333.7	1375.2	1418.1	1426.2
50°	1225.1	1257.3	1301.5	1347.1	1355.1
52.5°	1146.0	1179.5	1225.1	1270.7	1282.7
55°	1068.3	1099.1	1148.7	1198.3	1209.0
57.5°	986.5	1014.7	1068.3	1120.6	1134.0
60°	896.7	931.6	986.5	1038.8	1060.2
62.5°	809.6	847.1	903.4	955.7	979.8
65°	722.5	760.0	817.6	872.6	896.7
67.5°	634.0	672.9	734.5	786.8	813.6
70°	545.5	584.4	643.4	699.7	727.8
72.5°	457.1	498.6	556.3	613.9	642.0
75°	367.3	410.2	469.1	525.4	560.3
77.5°	282.8	324.4	383.3	441.0	470.5
80°	202.4	243.9	301.6	359.2	390.0
82.5°	128.7	167.5	223.8	272.1	300.2
85°	67.0	99.2	142.1	158.2	176.9
87.5°	20.1	38.9	55.0	61.7	76.4
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	15.7	17.3	16.1	17.7	18.0	16.4	18.1	16.8	18.4	18.7
	3H	17.4	19.0	17.8	19.3	19.6	18.5	20.0	18.9	20.4	20.7
	4H	18.1	19.5	18.5	19.8	20.2	19.4	20.8	19.8	21.2	21.6
	6H	18.5	19.8	18.9	20.2	20.6	20.2	21.5	20.6	21.9	22.3
	8H	18.6	19.9	19.0	20.2	20.6	20.5	21.8	20.9	22.1	22.5
	12H	18.6	19.9	19.1	20.2	20.7	20.7	21.9	21.1	22.3	22.7
4H	2H	16.5	17.9	16.9	18.2	18.6	17.0	18.5	17.4	18.8	19.2
	3H	18.4	19.6	18.9	20.0	20.4	19.4	20.6	19.8	21.0	21.4
	4H	19.2	20.3	19.6	20.7	21.1	20.4	21.5	20.8	21.9	22.3
	6H	19.7	20.7	20.2	21.1	21.6	21.3	22.3	21.8	22.7	23.2
	8H	19.9	20.8	20.3	21.2	21.7	21.7	22.6	22.2	23.0	23.5
	12H	20.0	20.8	20.5	21.3	21.7	22.0	22.8	22.5	23.3	23.7
8H	4H	19.7	20.5	20.1	21.0	21.5	20.7	21.6	21.2	22.0	22.5
	6H	20.3	21.1	20.8	21.6	22.0	21.8	22.5	22.3	23.0	23.5
	8H	20.6	21.2	21.1	21.7	22.2	22.3	22.9	22.8	23.4	23.9
	12H	20.7	21.3	21.2	21.8	22.3	22.6	23.2	23.2	23.7	24.3
12H	4H	19.7	20.5	20.2	21.0	21.5	20.7	21.5	21.2	22.0	22.5
	6H	20.5	21.1	21.0	21.6	22.1	21.8	22.5	22.4	23.0	23.5
	8H	20.8	21.3	21.3	21.8	22.4	22.4	23.0	22.9	23.5	24.0

(END OF REPORT)