

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: P1589927

Luminaire Tested: 24CZSP-SB-62-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1589927
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-62-L940
Description: 2x4 CZSP LED Luminaire, 4000K CCT and 5500 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

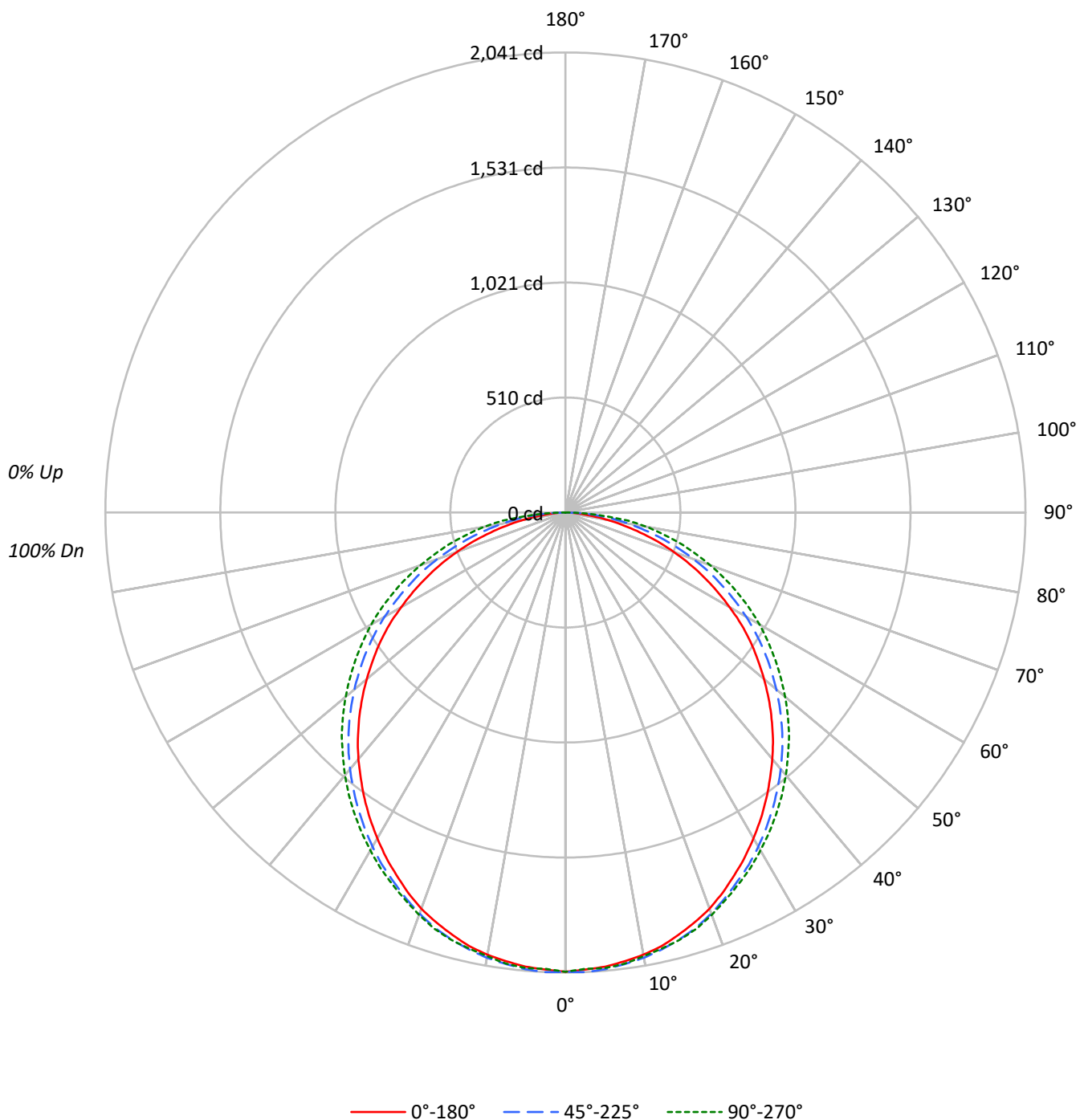
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5946.0 lumens
Efficiency: N/A
Efficacy: 133.6 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): 44.5
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°	3121	3121	3121
5°	3109	3127	3119
10°	3098	3120	3108
15°	3075	3107	3111
20°	3048	3085	3095
25°	2999	3052	3073
30°	2951	3027	3060
35°	2904	2998	3050
40°	2856	2972	3042
45°	2802	2944	3039
50°	2741	2912	3032
55°	2678	2880	3031
60°	2579	2837	3049
65°	2458	2782	3051
70°	2294	2705	3060
75°	2040	2607	3113
80°	1676	2498	3230
85°	1105	2344	2919

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3308 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.7	3.2
10°-20°	551.7	9.3
20°-30°	831.5	14.0
30°-40°	1001.3	16.8
40°-50°	1046.1	17.6
50°-60°	961.1	16.2
60°-70°	756.8	12.7
70°-80°	464.0	7.8
80°-90°	140.7	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°	1575.9	26.5
0°-40°	2577.2	43.3
0°-60°	4584.4	77.1
0°-90°	5946.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5946.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2038	2038	2038	2038	2038	
5°	2022	2026	2034	2031	2029	192
15°	1939	1947	1959	1967	1962	547
25°	1774	1786	1806	1825	1818	818
35°	1553	1573	1603	1632	1631	971
45°	1294	1321	1359	1397	1403	998
55°	1003	1032	1078	1125	1135	895
65°	678	714	768	819	842	671
75°	345	385	440	493	526	367
85°	63	93	133	148	166	81
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2037.5	2037.5	2037.5	2037.5	2037.5
2.5°	2029.9	2034.9	2041.2	2031.2	2026.1
5°	2022.4	2026.1	2033.7	2031.2	2028.6
7.5°	2008.5	2011.0	2021.1	2021.1	2018.6
10°	1992.2	1997.2	2006.0	2004.7	1998.4
12.5°	1970.8	1974.5	1984.6	1984.6	1980.8
15°	1939.3	1946.8	1959.4	1967.0	1961.9
17.5°	1906.6	1914.1	1930.5	1938.0	1935.5
20°	1870.1	1876.4	1892.7	1904.1	1899.0
22.5°	1824.8	1832.3	1851.2	1863.8	1858.8
25°	1774.4	1785.8	1805.9	1824.8	1818.5
27.5°	1724.1	1736.7	1761.9	1780.7	1778.2
30°	1668.7	1685.1	1711.5	1735.4	1730.4
32.5°	1612.1	1631.0	1658.7	1683.8	1682.6
35°	1552.9	1573.1	1603.3	1632.2	1631.0
37.5°	1490.0	1513.9	1545.4	1576.9	1578.1
40°	1428.4	1451.0	1486.2	1520.2	1521.5
42.5°	1362.9	1386.8	1424.6	1459.8	1461.1
45°	1293.7	1321.4	1359.1	1396.9	1403.2
47.5°	1223.2	1252.2	1291.2	1331.5	1339.0
50°	1150.2	1180.4	1222.0	1264.8	1272.3
52.5°	1076.0	1107.4	1150.2	1193.0	1204.4
55°	1003.0	1031.9	1078.5	1125.1	1135.1
57.5°	926.2	952.7	1003.0	1052.1	1064.7
60°	841.9	874.6	926.2	975.3	995.4
62.5°	760.1	795.4	848.2	897.3	919.9
65°	678.3	713.6	767.7	819.3	841.9
67.5°	595.3	631.7	689.6	738.7	763.9
70°	512.2	548.7	604.1	656.9	683.3
72.5°	429.1	468.1	522.3	576.4	602.8
75°	344.8	385.1	440.5	493.3	526.0
77.5°	265.5	304.5	359.9	414.0	441.7
80°	190.0	229.0	283.2	337.3	366.2
82.5°	120.8	157.3	210.2	255.5	281.9
85°	62.9	93.1	133.4	148.5	166.1
87.5°	18.9	36.5	51.6	57.9	71.7
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	15.5	17.1	15.8	17.4	17.8	16.2	17.9	16.6	18.2	18.5
	3H	17.2	18.7	17.6	19.1	19.4	18.3	19.8	18.7	20.1	20.5
	4H	17.9	19.3	18.3	19.6	20.0	19.2	20.6	19.6	21.0	21.3
	6H	18.3	19.6	18.7	20.0	20.3	20.0	21.3	20.4	21.6	22.0
	8H	18.4	19.6	18.8	20.0	20.4	20.3	21.5	20.7	21.9	22.3
	12H	18.4	19.6	18.9	20.0	20.4	20.5	21.7	20.9	22.1	22.5
4H	2H	16.2	17.7	16.6	18.0	18.4	16.8	18.2	17.2	18.6	19.0
	3H	18.2	19.4	18.6	19.8	20.2	19.1	20.3	19.6	20.7	21.1
	4H	19.0	20.1	19.4	20.5	20.9	20.2	21.3	20.6	21.7	22.1
	6H	19.5	20.5	20.0	20.9	21.4	21.1	22.1	21.6	22.5	23.0
	8H	19.7	20.6	20.1	21.0	21.5	21.5	22.4	22.0	22.8	23.3
	12H	19.8	20.6	20.2	21.0	21.5	21.8	22.6	22.2	23.0	23.5
8H	4H	19.4	20.3	19.9	20.8	21.2	20.5	21.4	20.9	21.8	22.3
	6H	20.1	20.9	20.6	21.3	21.8	21.6	22.3	22.1	22.8	23.3
	8H	20.3	21.0	20.8	21.5	22.0	22.1	22.7	22.6	23.2	23.7
	12H	20.5	21.1	21.0	21.6	22.1	22.4	23.0	22.9	23.5	24.1
12H	4H	19.5	20.3	20.0	20.8	21.3	20.5	21.3	21.0	21.8	22.3
	6H	20.3	20.9	20.8	21.4	21.9	21.6	22.3	22.1	22.8	23.3
	8H	20.5	21.1	21.0	21.6	22.2	22.2	22.8	22.7	23.3	23.8

(END OF REPORT)