

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: P1589861

Luminaire Tested: 24CZSP-SB-57-L850

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1589861
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-57-L850
Description: 2x4 CZSP LED Luminaire, 5000K CCT and 5000 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

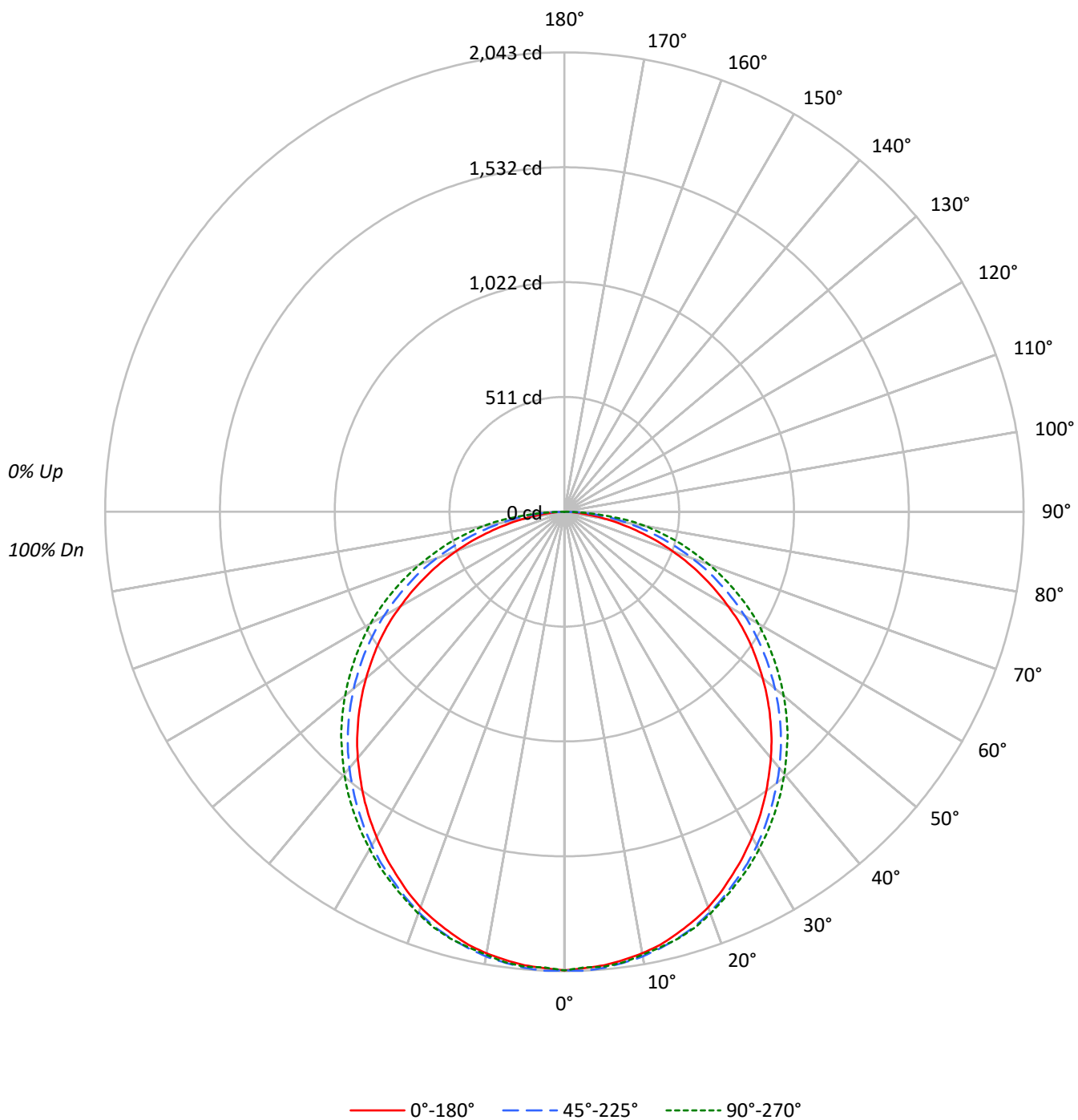
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5952.0 lumens
Efficiency: N/A
Efficacy: 145.5 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): 40.9
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°	3124	3124	3124
5°	3112	3130	3122
10°	3101	3123	3111
15°	3078	3110	3114
20°	3051	3088	3098
25°	3002	3055	3076
30°	2954	3030	3063
35°	2907	3001	3053
40°	2859	2975	3045
45°	2805	2947	3042
50°	2744	2915	3035
55°	2681	2883	3034
60°	2582	2840	3053
65°	2461	2785	3054
70°	2296	2708	3063
75°	2043	2609	3116
80°	1678	2500	3234
85°	1107	2346	2922

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3311 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.9	3.2
10°-20°	552.2	9.3
20°-30°	832.3	14.0
30°-40°	1002.3	16.8
40°-50°	1047.2	17.6
50°-60°	962.1	16.2
60°-70°	757.6	12.7
70°-80°	464.5	7.8
80°-90°	140.8	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°	1577.5	26.5
0°-40°	2579.8	43.3
0°-60°	4589.1	77.1
0°-90°	5952.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5952.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2040	2040	2040	2040	2040	
5°	2024	2028	2036	2033	2031	192
15°	1941	1949	1961	1969	1964	548
25°	1776	1788	1808	1827	1820	819
35°	1554	1575	1605	1634	1633	972
45°	1295	1323	1360	1398	1405	999
55°	1004	1033	1080	1126	1136	896
65°	679	714	768	820	843	671
75°	345	386	441	494	527	367
85°	63	93	134	149	166	81
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2039.5	2039.5	2039.5	2039.5	2039.5
2.5°	2032.0	2037.0	2043.3	2033.2	2028.2
5°	2024.4	2028.2	2035.7	2033.2	2030.7
7.5°	2010.5	2013.1	2023.1	2023.1	2020.6
10°	1994.2	1999.2	2008.0	2006.8	2000.5
12.5°	1972.7	1976.5	1986.6	1986.6	1982.8
15°	1941.3	1948.8	1961.4	1969.0	1963.9
17.5°	1908.5	1916.1	1932.4	1940.0	1937.5
20°	1872.0	1878.3	1894.6	1906.0	1900.9
22.5°	1826.6	1834.2	1853.1	1865.7	1860.6
25°	1776.2	1787.6	1807.7	1826.6	1820.3
27.5°	1725.8	1738.4	1763.6	1782.5	1780.0
30°	1670.4	1686.8	1713.2	1737.2	1732.1
32.5°	1613.7	1632.6	1660.3	1685.5	1684.3
35°	1554.5	1574.7	1604.9	1633.9	1632.6
37.5°	1491.5	1515.5	1547.0	1578.4	1579.7
40°	1429.8	1452.5	1487.7	1521.8	1523.0
42.5°	1364.3	1388.2	1426.0	1461.3	1462.6
45°	1295.0	1322.7	1360.5	1398.3	1404.6
47.5°	1224.5	1253.4	1292.5	1332.8	1340.4
50°	1151.4	1181.6	1223.2	1266.0	1273.6
52.5°	1077.1	1108.6	1151.4	1194.2	1205.6
55°	1004.0	1033.0	1079.6	1126.2	1136.3
57.5°	927.2	953.6	1004.0	1053.1	1065.7
60°	842.8	875.5	927.2	976.3	996.5
62.5°	760.9	796.2	849.1	898.2	920.9
65°	679.0	714.3	768.4	820.1	842.8
67.5°	595.9	632.4	690.3	739.5	764.7
70°	512.7	549.2	604.7	657.6	684.0
72.5°	429.6	468.6	522.8	577.0	603.4
75°	345.2	385.5	440.9	493.8	526.6
77.5°	265.8	304.9	360.3	414.5	442.2
80°	190.2	229.3	283.4	337.6	366.6
82.5°	120.9	157.5	210.4	255.7	282.2
85°	63.0	93.2	133.5	148.6	166.3
87.5°	18.9	36.5	51.6	57.9	71.8
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	22.3	23.1	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	22.2	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)