

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: P1589917

Luminaire Tested: 24CZSP-SB-62-L840

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1589917
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-L840
Description: 2x4 CZSP LED Luminaire, 4000K CCT and 5500 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

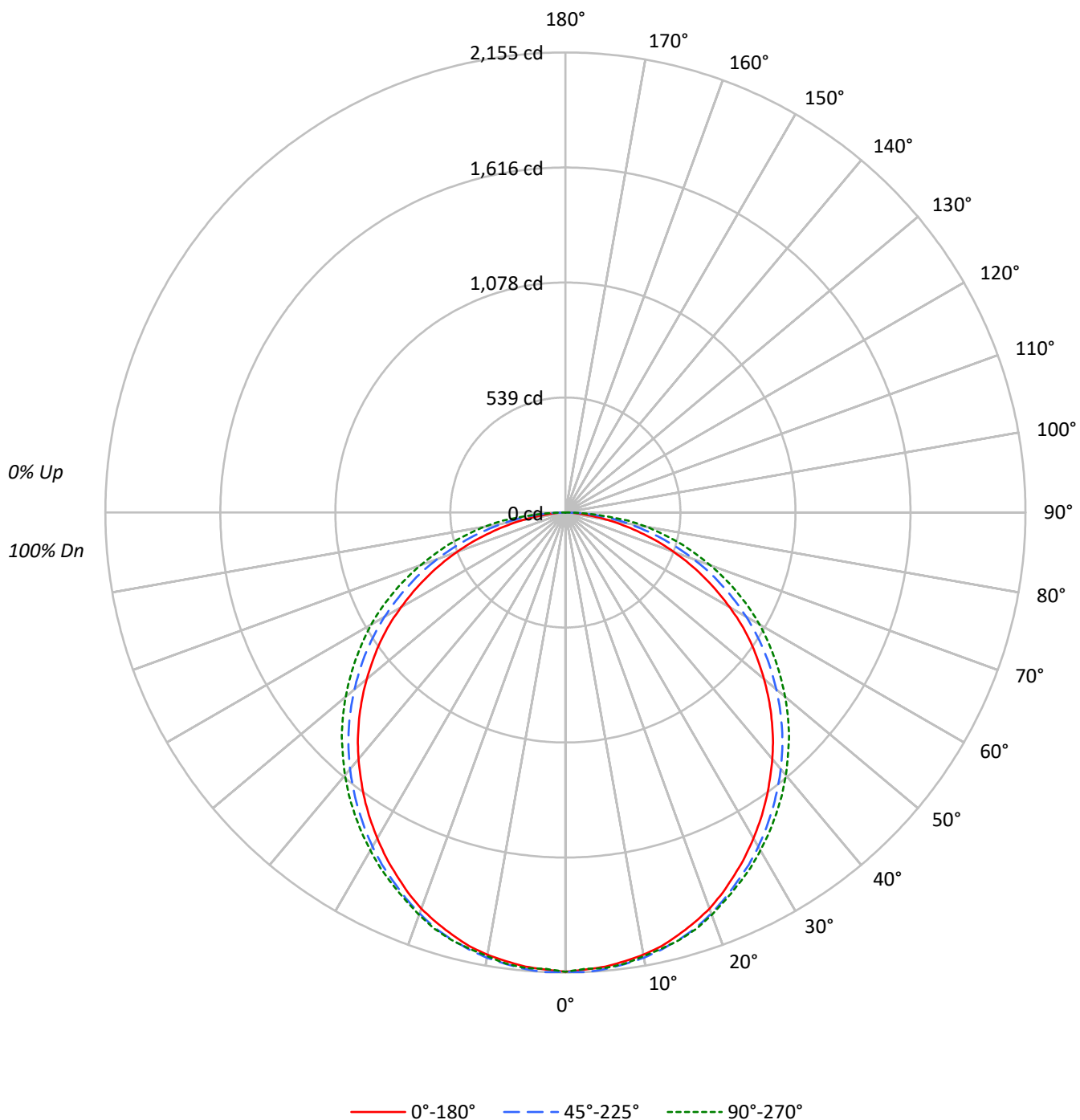
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6278.0 lumens
Efficiency: N/A
Efficacy: 141.1 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°	3295	3295	3295
5°	3283	3301	3293
10°	3271	3294	3282
15°	3247	3280	3285
20°	3218	3257	3268
25°	3166	3222	3245
30°	3116	3196	3231
35°	3066	3165	3220
40°	3015	3137	3212
45°	2959	3108	3209
50°	2894	3074	3201
55°	2828	3041	3200
60°	2723	2996	3219
65°	2596	2937	3221
70°	2422	2856	3231
75°	2155	2752	3287
80°	1769	2637	3411
85°	1167	2474	3082

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3492 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.5	3.2
10°-20°	582.5	9.3
20°-30°	877.9	14.0
30°-40°	1057.2	16.8
40°-50°	1104.5	17.6
50°-60°	1014.8	16.2
60°-70°	799.1	12.7
70°-80°	489.9	7.8
80°-90°	148.5	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°	1663.9	26.5
0°-40°	2721.1	43.3
0°-60°	4840.4	77.1
0°-90°	6278.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6278.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2151	2151	2151	2151	2151	
5°	2135	2139	2147	2145	2142	203
15°	2048	2056	2069	2077	2072	578
25°	1874	1886	1907	1927	1920	864
35°	1640	1661	1693	1723	1722	1026
45°	1366	1395	1435	1475	1482	1054
55°	1059	1090	1139	1188	1198	945
65°	716	753	810	865	889	708
75°	364	407	465	521	555	387
85°	66	98	141	157	175	85
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2151.2	2151.2	2151.2	2151.2	2151.2
2.5°	2143.2	2148.6	2155.2	2144.6	2139.3
5°	2135.3	2139.3	2147.2	2144.6	2141.9
7.5°	2120.7	2123.3	2133.9	2133.9	2131.3
10°	2103.4	2108.7	2118.0	2116.7	2110.0
12.5°	2080.8	2084.8	2095.4	2095.4	2091.4
15°	2047.6	2055.6	2068.8	2076.8	2071.5
17.5°	2013.0	2021.0	2038.3	2046.2	2043.6
20°	1974.5	1981.1	1998.4	2010.4	2005.1
22.5°	1926.7	1934.6	1954.6	1967.9	1962.5
25°	1873.5	1885.5	1906.7	1926.7	1920.0
27.5°	1820.4	1833.7	1860.2	1880.2	1877.5
30°	1761.9	1779.2	1807.1	1832.3	1827.0
32.5°	1702.1	1722.0	1751.3	1777.8	1776.5
35°	1639.7	1660.9	1692.8	1723.4	1722.0
37.5°	1573.2	1598.5	1631.7	1664.9	1666.2
40°	1508.1	1532.0	1569.2	1605.1	1606.4
42.5°	1439.0	1464.3	1504.1	1541.3	1542.7
45°	1365.9	1395.2	1435.0	1474.9	1481.5
47.5°	1291.5	1322.1	1363.3	1405.8	1413.8
50°	1214.5	1246.4	1290.2	1335.4	1343.3
52.5°	1136.1	1169.3	1214.5	1259.6	1271.6
55°	1059.0	1089.6	1138.7	1187.9	1198.5
57.5°	977.9	1005.9	1059.0	1110.8	1124.1
60°	888.9	923.5	977.9	1029.8	1051.0
62.5°	802.6	839.8	895.6	947.4	971.3
65°	716.2	753.4	810.5	865.0	888.9
67.5°	628.5	667.0	728.1	780.0	806.5
70°	540.8	579.3	637.8	693.6	721.5
72.5°	453.1	494.3	551.4	608.6	636.5
75°	364.1	406.6	465.1	520.9	555.4
77.5°	280.4	321.6	380.0	437.2	466.4
80°	200.6	241.8	299.0	356.1	386.7
82.5°	127.6	166.1	221.9	269.7	297.6
85°	66.4	98.3	140.8	156.8	175.4
87.5°	19.9	38.5	54.5	61.1	75.7
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	15.7	17.3	16.0	17.6	17.9	16.4	18.1	16.8	18.4	18.7
	3H	17.4	18.9	17.8	19.3	19.6	18.5	20.0	18.9	20.3	20.7
	4H	18.0	19.5	18.4	19.8	20.2	19.4	20.8	19.8	21.2	21.5
	6H	18.5	19.8	18.9	20.1	20.5	20.1	21.5	20.6	21.8	22.2
	8H	18.6	19.8	19.0	20.2	20.6	20.5	21.7	20.9	22.1	22.5
	12H	18.6	19.8	19.0	20.2	20.6	20.7	21.9	21.1	22.3	22.7
4H	2H	16.4	17.8	16.8	18.2	18.6	17.0	18.4	17.4	18.8	19.2
	3H	18.4	19.6	18.8	20.0	20.4	19.3	20.5	19.7	20.9	21.3
	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	23.1
	8H	19.9	20.7	20.3	21.2	21.7	21.7	22.6	22.1	23.0	23.5
	12H	19.9	20.7	20.4	21.2	21.7	22.0	22.8	22.4	23.2	23.7
8H	4H	19.6	20.5	20.1	21.0	21.4	20.7	21.6	21.1	22.0	22.5
	6H	20.3	21.0	20.8	21.5	22.0	21.8	22.5	22.2	23.0	23.5
	8H	20.5	21.2	21.0	21.7	22.2	22.2	22.9	22.7	23.4	23.9
	12H	20.7	21.3	21.2	21.8	22.3	22.6	23.2	23.1	23.7	24.3
12H	4H	19.7	20.5	20.2	21.0	21.5	20.7	21.5	21.2	22.0	22.4
	6H	20.4	21.1	21.0	21.6	22.1	21.8	22.5	22.3	22.9	23.5
	8H	20.7	21.3	21.2	21.8	22.4	22.4	23.0	22.9	23.4	24.0

(END OF REPORT)