

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P1585865

Luminaire Tested: 14CZSP-SB-70-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585865
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-SB-70-L935
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 6700 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

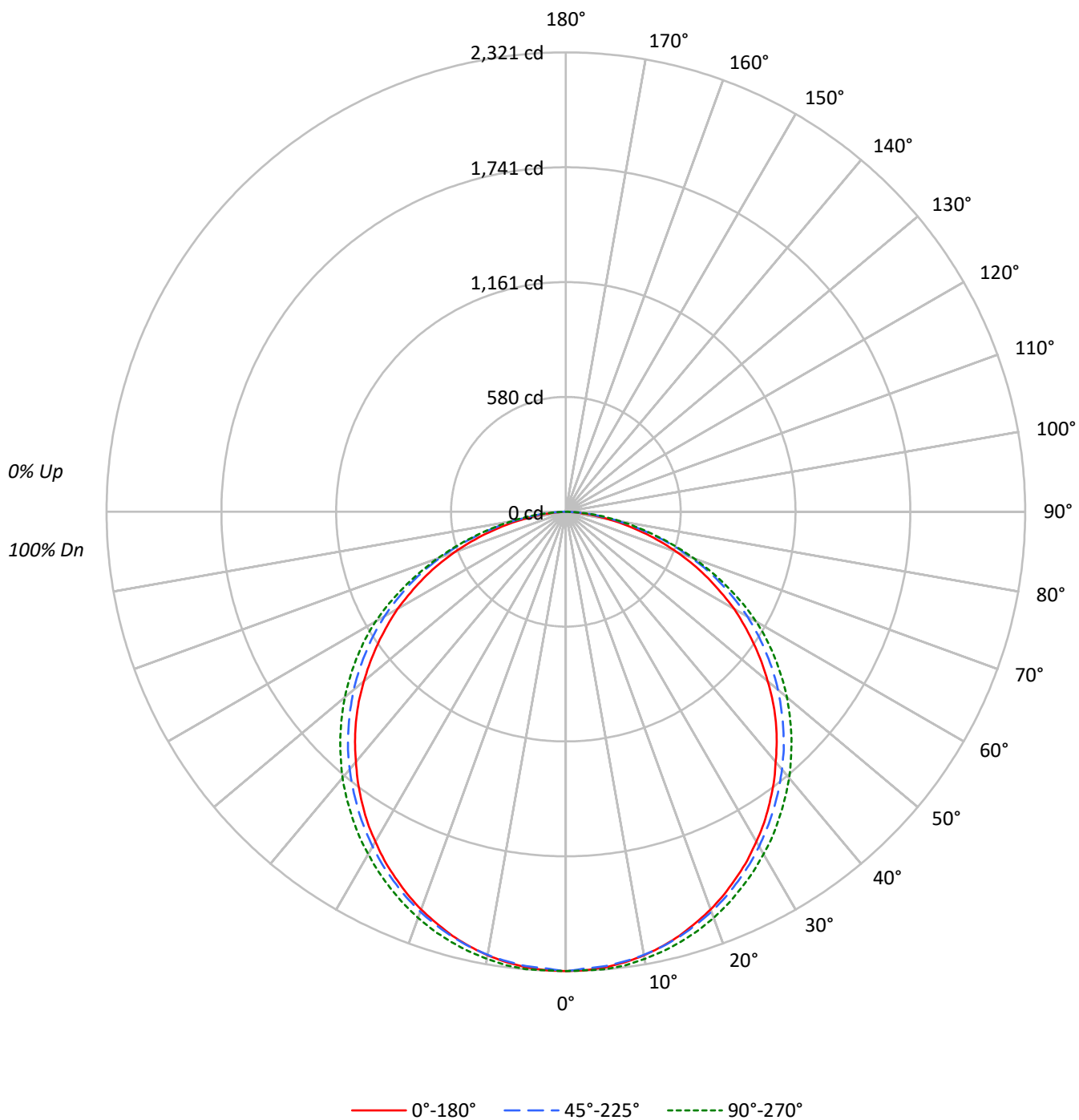
Lumens per Lamp: N/A
Luminaire Lumens: 6705.0 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 53.4
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: 24 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	109	104	100	96	106	102	98	94	97	94	91		93	91	88		90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75		82	77	73		79	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46		57	51	45		55	50	45	43
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	35		47	40	35		46	40	35	33
8	60	46	38	32	58	46	38	32	44	37	32		43	36	31		42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28		40	33	28		39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7820	7820	7820
5°	7814	7795	7847
10°	7786	7779	7848
15°	7736	7753	7843
20°	7668	7713	7830
25°	7584	7656	7799
30°	7490	7598	7771
35°	7386	7537	7743
40°	7256	7473	7724
45°	7152	7405	7682
50°	6982	7336	7645
55°	6803	7240	7586
60°	6619	7133	7485
65°	6322	6946	7200
70°	5899	6632	6794
75°	5256	6011	6187
80°	4292	5210	5472
85°	2838	4145	4442

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7682 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.8	3.3
10°-20°	629.7	9.4
20°-30°	953.3	14.2
30°-40°	1150.7	17.2
40°-50°	1201.7	17.9
50°-60°	1099.3	16.4
60°-70°	849.9	12.7
70°-80°	481.1	7.2
80°-90°	119.5	1.8
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°	1802.8	26.9
0°-40°	2953.5	44.0
0°-60°	5254.5	78.4
0°-90°	6705.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6705.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2321	2321	2321	2321	2321	
5°	2310	2327	2304	2306	2320	219
15°	2218	2237	2222	2233	2248	625
25°	2040	2066	2059	2078	2098	940
35°	1796	1821	1832	1863	1882	1123
45°	1501	1530	1554	1594	1612	1156
55°	1158	1193	1232	1271	1291	1035
65°	793	826	871	897	903	783
75°	404	438	462	473	475	428
85°	73	85	107	112	115	95
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2320.9	2320.9	2320.9	2320.9	2320.9
2.5°	2318.0	2334.4	2309.3	2314.1	2319.0
5°	2310.3	2326.7	2304.5	2306.4	2319.9
7.5°	2295.8	2314.1	2290.9	2294.8	2311.2
10°	2275.5	2293.8	2273.6	2277.4	2293.8
12.5°	2249.4	2267.8	2250.4	2256.2	2274.5
15°	2217.5	2236.9	2222.4	2233.0	2248.4
17.5°	2178.9	2203.1	2187.6	2204.0	2219.5
20°	2138.3	2162.5	2150.9	2165.4	2183.7
22.5°	2092.0	2116.1	2107.4	2122.9	2143.2
25°	2039.8	2065.9	2059.1	2078.5	2097.8
27.5°	1985.7	2010.9	2008.9	2030.2	2050.5
30°	1924.9	1951.9	1952.9	1978.0	1997.3
32.5°	1864.0	1888.2	1894.0	1922.0	1944.2
35°	1795.5	1820.6	1832.2	1863.1	1882.4
37.5°	1725.9	1753.9	1766.5	1800.3	1820.6
40°	1649.6	1681.5	1698.9	1734.6	1755.9
42.5°	1577.2	1606.2	1629.4	1665.1	1684.4
45°	1500.9	1529.9	1554.0	1593.6	1612.0
47.5°	1418.8	1450.7	1476.8	1515.4	1535.7
50°	1331.9	1366.6	1399.5	1437.2	1458.4
52.5°	1245.9	1279.7	1317.4	1354.1	1375.3
55°	1158.0	1192.8	1232.4	1271.0	1291.3
57.5°	1069.2	1103.9	1147.4	1182.2	1203.4
60°	982.2	1014.1	1058.5	1093.3	1110.7
62.5°	883.7	920.4	965.8	1000.6	1010.3
65°	792.9	825.8	871.2	897.3	903.0
67.5°	696.4	729.2	774.6	789.1	797.8
70°	598.8	633.6	673.2	682.8	689.6
72.5°	500.3	536.0	566.9	576.6	582.4
75°	403.7	438.5	461.7	473.3	475.2
77.5°	310.0	341.9	363.2	376.7	376.7
80°	221.2	245.3	268.5	283.0	282.0
82.5°	141.0	159.4	183.5	194.1	200.9
85°	73.4	85.0	107.2	112.0	114.9
87.5°	23.2	29.9	38.6	31.9	30.9
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	18.83	20.48	19.19	20.79	21.10	19.37	21.02	19.73	21.33	21.65
	3H	20.60	22.09	20.98	22.42	22.78	21.23	22.72	21.60	23.05	23.41
	4H	21.22	22.63	21.62	22.98	23.35	21.90	23.31	22.30	23.65	24.03
	6H	21.63	22.93	22.04	23.30	23.69	22.38	23.69	22.80	24.05	24.44
	8H	21.73	22.98	22.15	23.36	23.76	22.54	23.79	22.96	24.18	24.58
	12H	21.78	22.97	22.21	23.35	23.78	22.64	23.83	23.07	24.22	24.64
4H	2H	19.56	20.97	19.96	21.32	21.70	19.99	21.39	20.38	21.74	22.12
	3H	21.56	22.74	21.97	23.14	23.54	22.06	23.25	22.47	23.64	24.04
	4H	22.31	23.38	22.74	23.79	24.22	22.87	23.94	23.30	24.35	24.78
	6H	22.83	23.76	23.28	24.20	24.65	23.48	24.42	23.93	24.86	25.31
	8H	22.96	23.84	23.42	24.28	24.74	23.68	24.56	24.14	25.00	25.47
	12H	23.04	23.82	23.52	24.30	24.77	23.82	24.61	24.30	25.08	25.55
8H	4H	22.66	23.54	23.12	23.98	24.44	23.16	24.03	23.62	24.47	24.94
	6H	23.29	24.02	23.79	24.51	24.98	23.89	24.62	24.38	25.10	25.58
	8H	23.49	24.14	24.00	24.65	25.13	24.16	24.81	24.67	25.32	25.80
	12H	23.61	24.19	24.12	24.68	25.24	24.37	24.94	24.87	25.43	25.99
12H	4H	22.70	23.49	23.18	23.96	24.43	23.18	23.97	23.66	24.44	24.91
	6H	23.36	24.01	23.87	24.52	25.00	23.93	24.58	24.44	25.09	25.57
	8H	23.61	24.18	24.11	24.67	25.23	24.26	24.83	24.76	25.32	25.88