

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: P1585885

Luminaire Tested: 14CZSP-SB-70VHE-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585885
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-70VHE-L935
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 7200 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

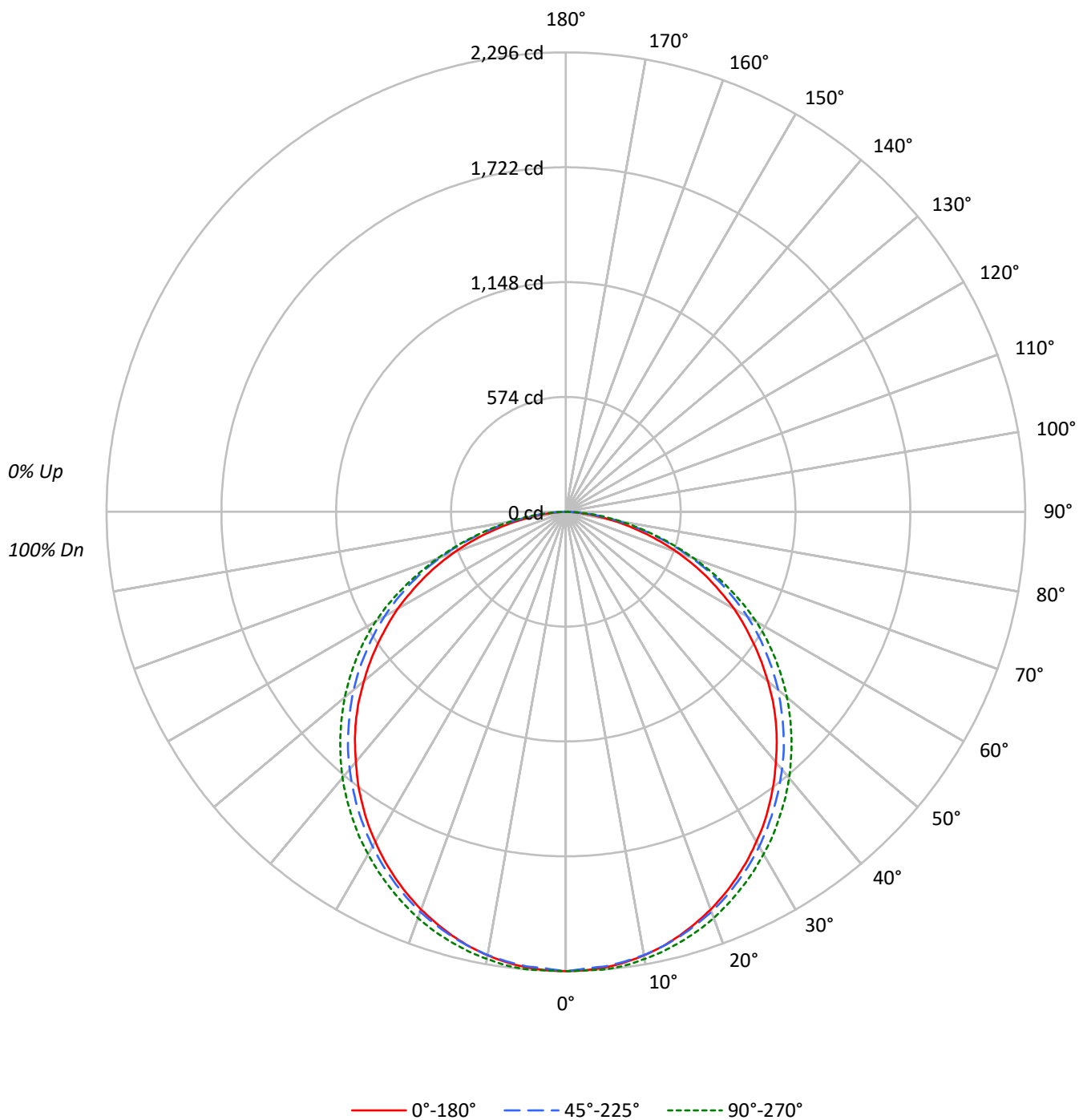
Lumens per Lamp: N/A
Luminaire Lumens: 6634.0 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 51.9
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: 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°	7738	7738	7738
5°	7732	7712	7764
10°	7703	7697	7766
15°	7654	7670	7760
20°	7587	7631	7748
25°	7504	7575	7717
30°	7410	7518	7689
35°	7308	7457	7661
40°	7180	7394	7642
45°	7076	7327	7600
50°	6908	7259	7564
55°	6731	7163	7505
60°	6549	7058	7406
65°	6255	6873	7124
70°	5837	6562	6722
75°	5200	5947	6122
80°	4246	5156	5414
85°	2807	4102	4396

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7600 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.5	3.3
10°-20°	623.0	9.4
20°-30°	943.2	14.2
30°-40°	1138.5	17.2
40°-50°	1189.0	17.9
50°-60°	1087.7	16.4
60°-70°	840.9	12.7
70°-80°	476.0	7.2
80°-90°	118.3	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°	1783.7	26.9
0°-40°	2922.2	44.0
0°-60°	5198.9	78.4
0°-90°	6634.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6634.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2296	2296	2296	2296	2296	
5°	2286	2302	2280	2282	2295	217
15°	2194	2213	2199	2209	2225	619
25°	2018	2044	2037	2056	2076	930
35°	1776	1801	1813	1843	1862	1111
45°	1485	1514	1538	1577	1595	1144
55°	1146	1180	1219	1258	1278	1025
65°	784	817	862	888	894	774
75°	399	434	457	468	470	423
85°	73	84	106	111	114	94
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2296.3	2296.3	2296.3	2296.3	2296.3
2.5°	2293.4	2309.7	2284.8	2289.6	2294.4
5°	2285.8	2302.0	2280.1	2282.0	2295.4
7.5°	2271.5	2289.6	2266.7	2270.5	2286.8
10°	2251.4	2269.6	2249.5	2253.3	2269.6
12.5°	2225.6	2243.8	2226.5	2232.3	2250.4
15°	2194.1	2213.2	2198.8	2209.3	2224.6
17.5°	2155.8	2179.7	2164.4	2180.7	2196.0
20°	2115.7	2139.6	2128.1	2142.5	2160.6
22.5°	2069.8	2093.7	2085.1	2100.4	2120.5
25°	2018.2	2044.0	2037.3	2056.5	2075.6
27.5°	1964.7	1989.6	1987.6	2008.7	2028.7
30°	1904.5	1931.3	1932.2	1957.1	1976.2
32.5°	1844.3	1868.2	1873.9	1901.6	1923.6
35°	1776.5	1801.3	1812.8	1843.4	1862.5
37.5°	1707.7	1735.4	1747.8	1781.2	1801.3
40°	1632.2	1663.7	1680.9	1716.3	1737.3
42.5°	1560.5	1589.2	1612.1	1647.5	1666.6
45°	1485.0	1513.7	1537.6	1576.7	1594.9
47.5°	1403.8	1435.3	1461.1	1499.3	1519.4
50°	1317.8	1352.2	1384.7	1421.9	1443.0
52.5°	1232.7	1266.2	1303.4	1339.8	1360.8
55°	1145.8	1180.2	1219.3	1257.6	1277.6
57.5°	1057.8	1092.3	1135.3	1169.7	1190.7
60°	971.8	1003.4	1047.3	1081.7	1098.9
62.5°	874.4	910.7	955.6	990.0	999.6
65°	784.5	817.0	862.0	887.8	893.5
67.5°	689.0	721.5	766.4	780.7	789.3
70°	592.5	626.9	666.1	675.6	682.3
72.5°	495.0	530.4	560.9	570.5	576.2
75°	399.4	433.8	456.8	468.2	470.2
77.5°	306.7	338.3	359.3	372.7	372.7
80°	218.8	242.7	265.7	280.0	279.0
82.5°	139.5	157.7	181.6	192.1	198.8
85°	72.6	84.1	106.1	110.8	113.7
87.5°	22.9	29.6	38.2	31.5	30.6
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	18.79	20.44	19.15	20.75	21.07	19.33	20.98	19.69	21.29	21.61
	3H	20.56	22.06	20.94	22.38	22.74	21.19	22.68	21.57	23.01	23.37
	4H	21.19	22.59	21.58	22.94	23.32	21.86	23.27	22.26	23.62	23.99
	6H	21.59	22.90	22.00	23.26	23.65	22.35	23.65	22.76	24.02	24.41
	8H	21.69	22.94	22.12	23.33	23.73	22.50	23.75	22.93	24.14	24.54
	12H	21.74	22.93	22.17	23.32	23.74	22.60	23.80	23.03	24.18	24.61
4H	2H	19.53	20.94	19.93	21.28	21.66	19.95	21.36	20.35	21.70	22.08
	3H	21.52	22.70	21.93	23.10	23.50	22.03	23.21	22.44	23.61	24.01
	4H	22.27	23.34	22.70	23.75	24.19	22.83	23.90	23.26	24.31	24.75
	6H	22.79	23.72	23.24	24.16	24.62	23.44	24.38	23.90	24.82	25.27
	8H	22.92	23.80	23.38	24.24	24.71	23.65	24.52	24.11	24.96	25.43
	12H	23.00	23.79	23.48	24.26	24.73	23.79	24.57	24.27	25.05	25.52
8H	4H	22.62	23.50	23.08	23.94	24.41	23.12	23.99	23.58	24.44	24.90
	6H	23.26	23.98	23.75	24.47	24.95	23.85	24.58	24.34	25.07	25.54
	8H	23.45	24.10	23.96	24.61	25.09	24.12	24.78	24.63	25.28	25.77
	12H	23.58	24.15	24.08	24.64	25.20	24.33	24.91	24.84	25.40	25.96
12H	4H	22.67	23.45	23.15	23.93	24.40	23.14	23.93	23.62	24.40	24.87
	6H	23.32	23.98	23.83	24.48	24.97	23.89	24.55	24.40	25.05	25.54
	8H	23.57	24.15	24.08	24.64	25.20	24.22	24.80	24.73	25.29	25.85