

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: P1585862

Luminaire Tested: 14CZSP-SB-70-L930-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585862
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-SB-70-L930-S
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 6700 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

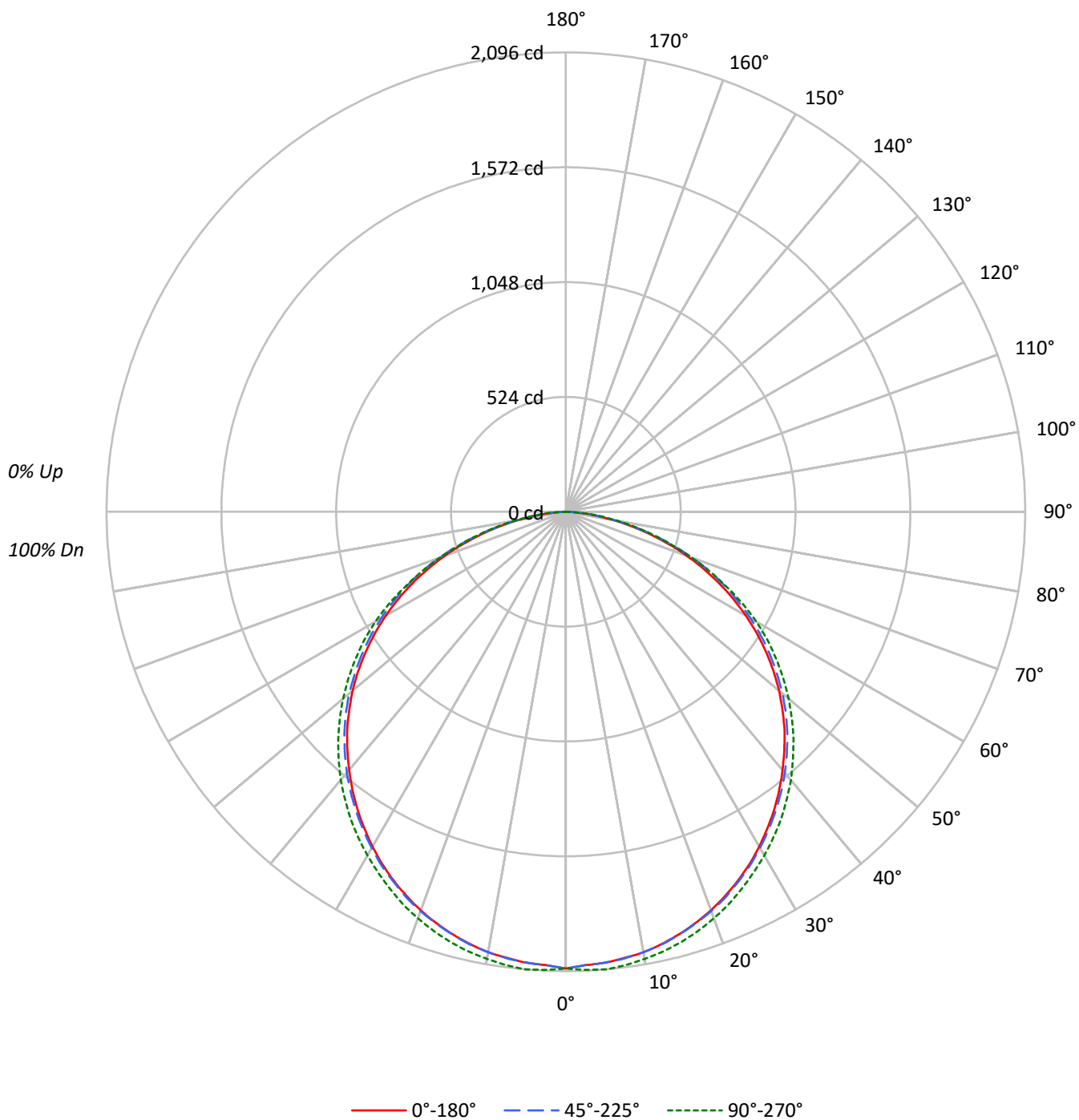
Lumens per Lamp: N/A
Luminaire Lumens: 6149.0 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1585862

CATALOG NUMBER: 14CZSP-SB-70-L930-S

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	104	99	96	106	102	98	94	97	94	91		93	91	88		90
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55
6	70	56	47	40	68	55	46	40	53	46	40		52	45	40		50
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		46
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42
9	56	42	34	28	55	42	34	28	41	33	28		40	33	28		39
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7021	7021	7021
5°	6987	6984	7089
10°	6984	6981	7087
15°	6963	6970	7091
20°	6941	6955	7080
25°	6907	6924	7057
30°	6865	6895	7045
35°	6821	6863	7041
40°	6767	6838	7028
45°	6726	6811	6999
50°	6659	6762	6955
55°	6554	6677	6886
60°	6396	6561	6764
65°	6156	6389	6456
70°	5788	6057	6021
75°	5197	5419	5455
80°	4294	4514	4750
85°	2876	3348	3530

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6999 cd/sqm

TEST NUMBER: P1585862

CATALOG NUMBER: 14CZSP-SB-70-L930-S

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.5	3.2
10°-20°	567.7	9.2
20°-30°	864.4	14.1
30°-40°	1052.0	17.1
40°-50°	1109.1	18.0
50°-60°	1021.5	16.6
60°-70°	788.9	12.8
70°-80°	441.5	7.2
80°-90°	106.4	1.7
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°	1629.6	26.5
0°-40°	2681.6	43.6
0°-60°	4812.2	78.3
0°-90°	6149.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6149.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2084	2084	2084	2084	2084	
5°	2066	2095	2065	2068	2096	196
15°	1996	2023	1998	2009	2033	564
25°	1858	1884	1862	1875	1898	856
35°	1658	1683	1668	1689	1712	1037
45°	1411	1431	1429	1451	1469	1088
55°	1116	1135	1136	1160	1172	996
65°	772	795	801	809	810	763
75°	399	424	416	415	419	423
85°	74	82	87	97	91	95
90°	0	0	0	0	0	

TEST NUMBER: P1585862

CATALOG NUMBER: 14CZSP-SB-70-L930-S

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2083.7	2083.7	2083.7	2083.7	2083.7
2.5°	2070.5	2100.6	2070.5	2075.2	2092.1
5°	2065.8	2095.0	2064.8	2067.7	2095.9
7.5°	2053.5	2083.7	2055.4	2059.2	2086.5
10°	2041.3	2068.6	2040.4	2045.1	2071.4
12.5°	2020.6	2048.8	2022.5	2028.1	2054.5
15°	1996.1	2023.4	1998.0	2009.3	2032.8
17.5°	1967.9	1994.2	1969.7	1982.9	2005.5
20°	1935.8	1961.3	1939.6	1949.0	1974.4
22.5°	1898.2	1924.5	1903.8	1912.3	1939.6
25°	1857.7	1884.1	1862.4	1874.6	1898.2
27.5°	1813.4	1838.9	1820.0	1835.1	1855.8
30°	1764.5	1789.0	1772.0	1789.9	1810.6
32.5°	1711.8	1738.1	1721.2	1741.9	1762.6
35°	1658.1	1682.6	1668.4	1689.2	1711.8
37.5°	1599.7	1623.2	1612.9	1634.5	1655.3
40°	1538.5	1564.9	1554.5	1577.1	1597.8
42.5°	1475.4	1500.8	1492.4	1515.9	1533.8
45°	1411.4	1431.2	1429.3	1450.9	1468.8
47.5°	1340.8	1365.3	1361.5	1383.2	1399.2
50°	1270.2	1289.9	1289.9	1310.7	1326.7
52.5°	1193.9	1213.7	1213.7	1238.2	1251.3
55°	1115.7	1134.6	1136.5	1160.0	1172.2
57.5°	1032.9	1052.7	1056.4	1080.0	1091.3
60°	949.1	967.9	973.6	997.1	1003.7
62.5°	861.5	884.1	886.9	905.8	909.5
65°	772.1	794.7	801.3	808.8	809.7
67.5°	680.7	704.3	710.9	710.9	710.9
70°	587.5	609.2	614.8	611.1	611.1
72.5°	493.4	516.9	514.1	510.3	512.2
75°	399.2	423.7	416.2	415.2	419.0
77.5°	308.8	332.4	320.1	327.7	328.6
80°	221.3	239.2	232.6	243.9	244.8
82.5°	142.2	153.5	155.4	164.8	161.9
85°	74.4	81.9	86.6	97.0	91.3
87.5°	23.5	31.1	28.2	33.0	25.4
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1585862

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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	18.81	20.46	19.17	20.78	21.09	19.02	20.68	19.39	20.99	21.31
	3H	20.63	22.13	21.00	22.45	22.81	20.82	22.32	21.20	22.65	23.01
	4H	21.27	22.69	21.67	23.03	23.41	21.46	22.87	21.86	23.22	23.60
	6H	21.70	23.01	22.11	23.38	23.77	21.91	23.22	22.32	23.59	23.98
	8H	21.81	23.06	22.23	23.45	23.85	22.05	23.30	22.47	23.69	24.08
	12H	21.86	23.06	22.29	23.45	23.87	22.12	23.32	22.55	23.70	24.13
4H	2H	19.49	20.90	19.88	21.24	21.62	19.66	21.07	20.05	21.41	21.79
	3H	21.53	22.71	21.94	23.11	23.51	21.67	22.85	22.08	23.25	23.65
	4H	22.31	23.38	22.74	23.79	24.23	22.43	23.50	22.86	23.91	24.35
	6H	22.86	23.79	23.31	24.23	24.69	23.00	23.94	23.45	24.38	24.83
	8H	23.00	23.88	23.46	24.32	24.79	23.18	24.05	23.64	24.49	24.96
	12H	23.09	23.87	23.56	24.35	24.82	23.29	24.08	23.77	24.55	25.02
8H	4H	22.61	23.49	23.07	23.93	24.40	22.72	23.60	23.18	24.04	24.51
	6H	23.27	24.00	23.77	24.49	24.96	23.40	24.13	23.90	24.62	25.09
	8H	23.48	24.13	23.99	24.64	25.12	23.64	24.30	24.15	24.80	25.29
	12H	23.61	24.19	24.12	24.68	25.24	23.82	24.40	24.32	24.89	25.45
12H	4H	22.64	23.43	23.12	23.91	24.38	22.75	23.54	23.23	24.01	24.48
	6H	23.32	23.97	23.83	24.48	24.96	23.44	24.10	23.95	24.61	25.09
	8H	23.57	24.15	24.08	24.64	25.20	23.74	24.31	24.24	24.80	25.36