

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: P1585864

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

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585864
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-L935-S
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 6700 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

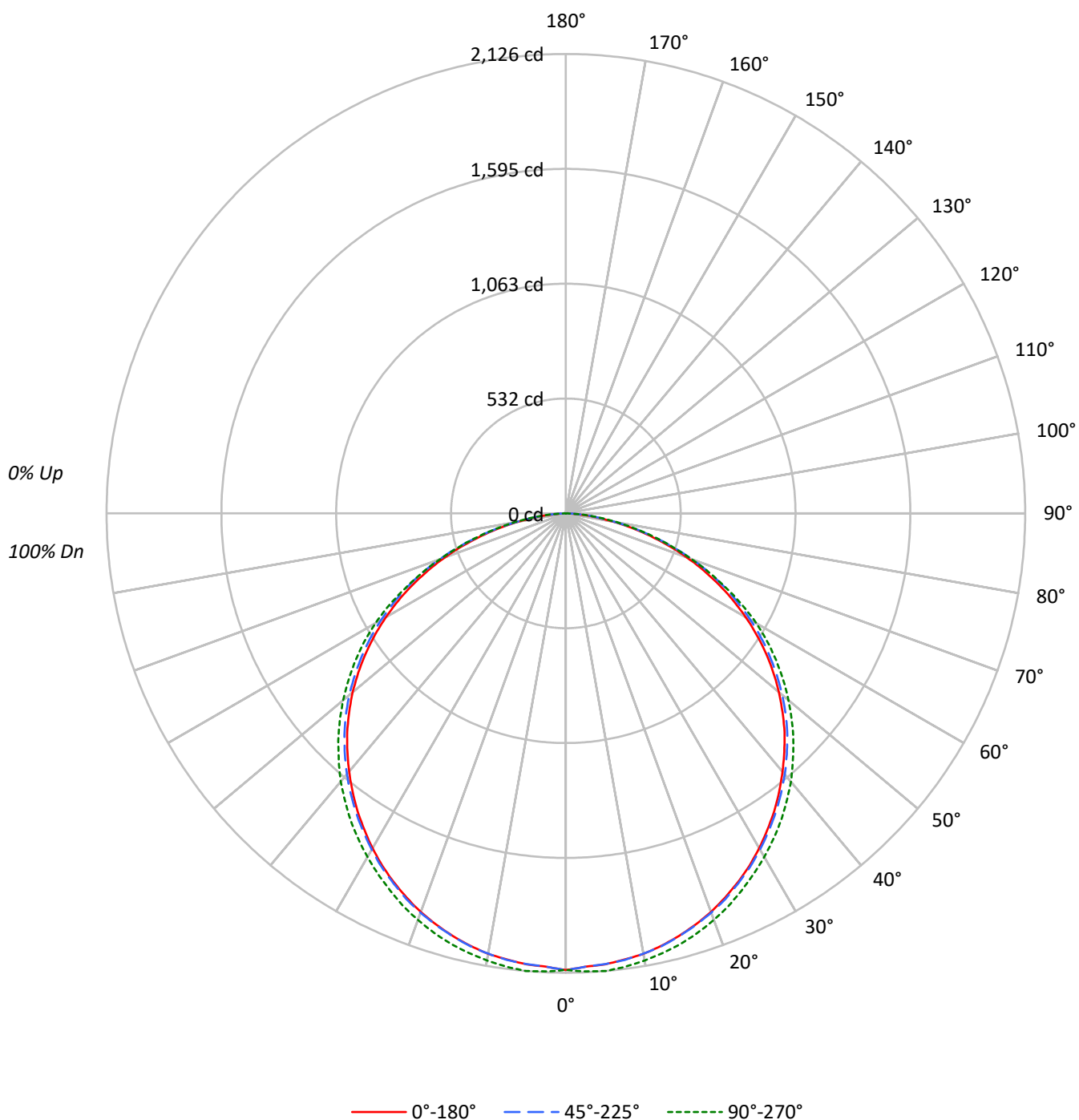
Lumens per Lamp: N/A
Luminaire Lumens: 6236.0 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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: P1585864

CATALOG NUMBER: 14CZSP-SB-70-L935-S

Luminous Intensity Polar Plot



TEST NUMBER: P1585864

CATALOG NUMBER: 14CZSP-SB-70-L935-S

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	99	96	106	102	98	94	97	94	91		93	91	88		90	88	86	84
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61	56	52	49
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55	49	45	43
6	70	56	47	40	68	55	46	40	53	46	40		52	45	40		50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42	36	31	29
9	56	42	34	28	55	42	34	28	41	33	28		40	33	28		39	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7121	7121	7121
5°	7086	7083	7190
10°	7083	7080	7188
15°	7062	7069	7192
20°	7040	7054	7180
25°	7005	7022	7157
30°	6962	6992	7144
35°	6917	6960	7141
40°	6863	6935	7128
45°	6821	6907	7098
50°	6752	6858	7053
55°	6647	6771	6984
60°	6486	6654	6860
65°	6243	6479	6548
70°	5870	6143	6105
75°	5271	5495	5532
80°	4354	4578	4818
85°	2915	3394	3580

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7098 cd/sqm

TEST NUMBER: P1585864

CATALOG NUMBER: 14CZSP-SB-70-L935-S

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.3	3.2
10°-20°	575.7	9.2
20°-30°	876.7	14.1
30°-40°	1066.9	17.1
40°-50°	1124.8	18.0
50°-60°	1035.9	16.6
60°-70°	800.1	12.8
70°-80°	447.7	7.2
80°-90°	107.9	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°	1652.6	26.5
0°-40°	2719.5	43.6
0°-60°	4880.3	78.3
0°-90°	6236.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6236.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2113	2113	2113	2113	2113	
5°	2095	2125	2094	2097	2126	199
15°	2024	2052	2026	2038	2062	571
25°	1884	1911	1889	1901	1925	868
35°	1682	1706	1692	1713	1736	1052
45°	1431	1451	1450	1472	1490	1103
55°	1132	1151	1152	1176	1189	1010
65°	783	806	813	820	821	773
75°	405	430	422	421	425	429
85°	75	83	88	98	93	97
90°	0	0	0	0	0	

TEST NUMBER: P1585864

CATALOG NUMBER: 14CZSP-SB-70-L935-S

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2113.2	2113.2	2113.2	2113.2	2113.2
2.5°	2099.8	2130.3	2099.8	2104.6	2121.7
5°	2095.0	2124.6	2094.1	2096.9	2125.6
7.5°	2082.6	2113.2	2084.5	2088.3	2116.0
10°	2070.2	2097.9	2069.2	2074.0	2100.7
12.5°	2049.2	2077.8	2051.1	2056.8	2083.6
15°	2024.3	2052.0	2026.3	2037.7	2061.6
17.5°	1995.7	2022.4	1997.6	2011.0	2033.9
20°	1963.2	1989.0	1967.1	1976.6	2002.4
22.5°	1925.0	1951.8	1930.8	1939.4	1967.1
25°	1884.0	1910.7	1888.8	1901.2	1925.0
27.5°	1839.1	1864.9	1845.8	1861.1	1882.1
30°	1789.4	1814.3	1797.1	1815.2	1836.2
32.5°	1736.0	1762.7	1745.5	1766.5	1787.5
35°	1681.5	1706.4	1692.0	1713.1	1736.0
37.5°	1622.3	1646.2	1635.7	1657.7	1678.7
40°	1560.3	1587.0	1576.5	1599.4	1620.4
42.5°	1496.3	1522.1	1513.5	1537.4	1555.5
45°	1431.4	1451.4	1449.5	1471.5	1489.6
47.5°	1359.8	1384.6	1380.8	1402.7	1419.0
50°	1288.1	1308.2	1308.2	1329.2	1345.4
52.5°	1210.8	1230.8	1230.8	1255.7	1269.0
55°	1131.5	1150.6	1152.5	1176.4	1188.8
57.5°	1047.5	1067.6	1071.4	1095.2	1106.7
60°	962.5	981.6	987.3	1011.2	1017.9
62.5°	873.7	896.6	899.5	918.6	922.4
65°	783.0	805.9	812.6	820.2	821.2
67.5°	690.4	714.3	720.9	720.9	720.9
70°	595.8	617.8	623.5	619.7	619.7
72.5°	500.4	524.2	521.4	517.5	519.5
75°	404.9	429.7	422.1	421.1	424.9
77.5°	313.2	337.1	324.7	332.3	333.3
80°	224.4	242.5	235.9	247.3	248.3
82.5°	144.2	155.6	157.6	167.1	164.2
85°	75.4	83.1	87.8	98.4	92.6
87.5°	23.9	31.5	28.6	33.4	25.8
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1585864

CATALOG NUMBER: 14CZSP-SB-70-L935-S

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	18.85	20.51	19.22	20.82	21.14	19.07	20.73	19.44	21.04	21.35
	3H	20.68	22.17	21.05	22.50	22.86	20.87	22.37	21.25	22.70	23.06
	4H	21.32	22.73	21.72	23.08	23.46	21.51	22.92	21.91	23.27	23.64
	6H	21.75	23.06	22.16	23.42	23.81	21.96	23.27	22.37	23.64	24.03
	8H	21.86	23.11	22.28	23.50	23.90	22.09	23.35	22.52	23.73	24.13
	12H	21.91	23.11	22.34	23.49	23.92	22.17	23.37	22.60	23.75	24.18
4H	2H	19.53	20.95	19.93	21.29	21.67	19.70	21.12	20.10	21.46	21.84
	3H	21.58	22.76	21.98	23.16	23.56	21.72	22.90	22.13	23.30	23.70
	4H	22.36	23.43	22.79	23.84	24.28	22.48	23.55	22.91	23.96	24.40
	6H	22.90	23.84	23.36	24.28	24.74	23.05	23.99	23.50	24.43	24.88
	8H	23.05	23.93	23.51	24.37	24.83	23.22	24.10	23.68	24.54	25.01
	12H	23.13	23.92	23.61	24.40	24.87	23.34	24.13	23.82	24.60	25.07
8H	4H	22.66	23.54	23.12	23.98	24.45	22.77	23.65	23.23	24.09	24.55
	6H	23.32	24.05	23.81	24.54	25.01	23.45	24.18	23.94	24.67	25.14
	8H	23.53	24.18	24.04	24.69	25.17	23.69	24.34	24.20	24.85	25.34
	12H	23.66	24.24	24.17	24.73	25.29	23.87	24.45	24.37	24.94	25.49
12H	4H	22.69	23.48	23.17	23.96	24.43	22.80	23.59	23.28	24.06	24.53
	6H	23.37	24.02	23.88	24.53	25.01	23.49	24.15	24.00	24.65	25.14
	8H	23.62	24.20	24.13	24.69	25.25	23.78	24.36	24.29	24.85	25.41