

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: P1584764

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

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584764
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-A-70-L935-S
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 6700 lumens, 90CRI, Smooth Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

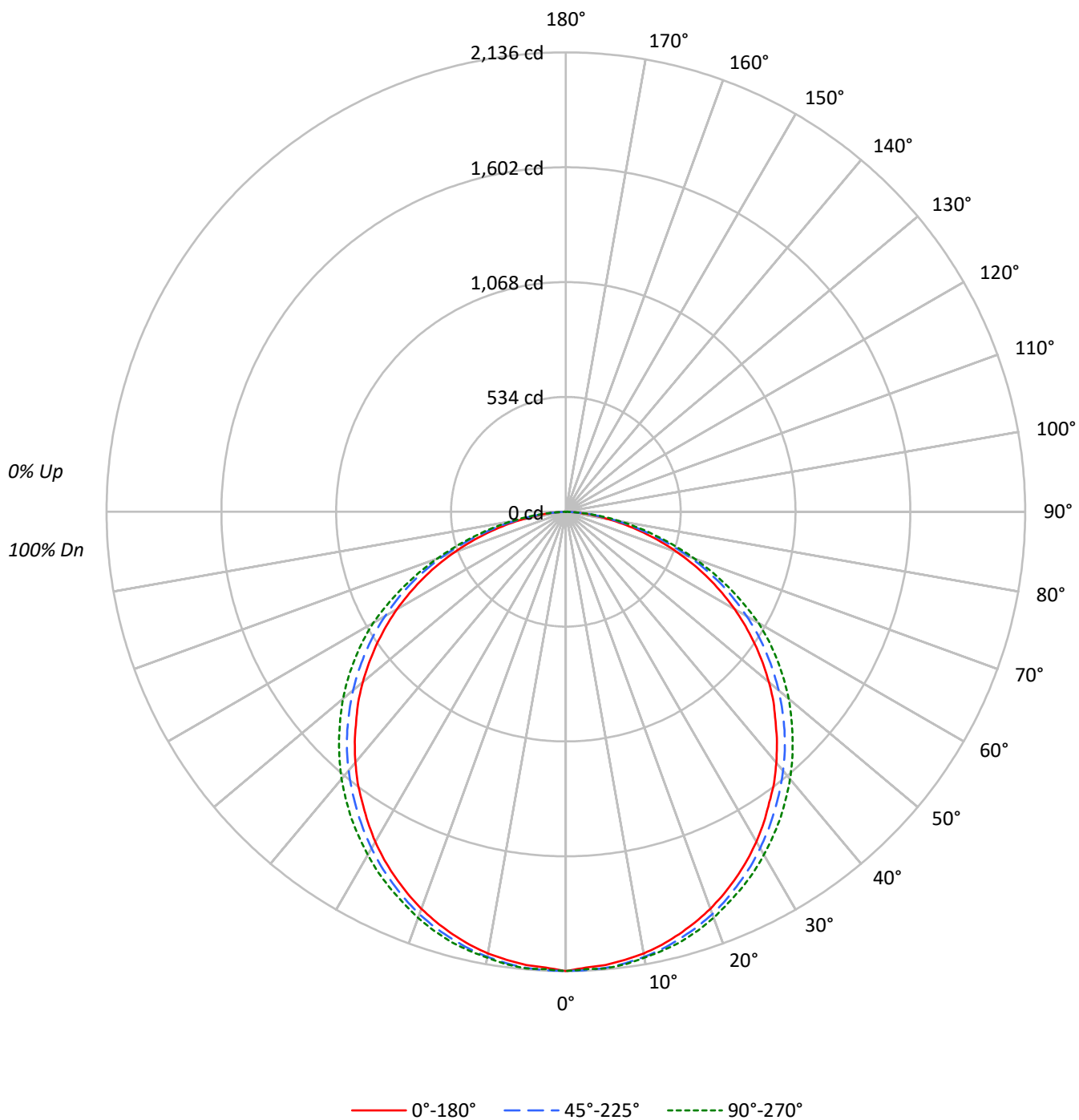
Lumens per Lamp: N/A
Luminaire Lumens: 6174.0 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1584764

CATALOG NUMBER: 14CZSP-A-70-L935-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			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	80	75		82	77	73		79	75	72	69
3	90	79	71	64	87	78	70	64	75	68	63		72	66	62		69	65	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62	56	52	50
5	76	63	53	47	73	61	53	46	59	52	46		57	51	45		55	50	45	43
6	70	56	47	41	68	55	47	41	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	59	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°	7196	7196	7196
5°	7156	7202	7208
10°	7136	7189	7204
15°	7095	7168	7219
20°	7045	7140	7205
25°	6974	7085	7183
30°	6895	7029	7167
35°	6785	6968	7155
40°	6696	6912	7135
45°	6569	6851	7106
50°	6460	6770	7093
55°	6305	6674	7047
60°	6112	6541	6976
65°	5840	6362	6688
70°	5443	6008	6276
75°	4863	5419	5726
80°	3986	4568	5008
85°	2672	3336	3723

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7106 cd/sqm

TEST NUMBER: P1584764

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.3	3.3
10°-20°	579.8	9.4
20°-30°	878.0	14.2
30°-40°	1060.3	17.2
40°-50°	1108.1	17.9
50°-60°	1015.4	16.4
60°-70°	783.8	12.7
70°-80°	440.9	7.1
80°-90°	105.5	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°	1660.1	26.9
0°-40°	2720.4	44.1
0°-60°	4843.8	78.5
0°-90°	6174.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6174.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2136	2136	2136	2136	2136	
5°	2116	2131	2129	2131	2131	201
15°	2034	2050	2055	2063	2069	574
25°	1876	1892	1906	1916	1932	864
35°	1649	1670	1694	1717	1739	1033
45°	1379	1406	1438	1467	1491	1065
55°	1073	1101	1136	1171	1200	959
65°	732	764	798	830	839	724
75°	374	408	416	434	440	396
85°	69	79	86	94	96	89
90°	0	0	0	0	0	

TEST NUMBER: P1584764

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2135.6	2135.6	2135.6	2135.6	2135.6
2.5°	2121.1	2137.4	2133.8	2139.2	2129.2
5°	2115.6	2131.0	2129.2	2131.0	2131.0
7.5°	2102.0	2118.3	2117.4	2120.1	2122.0
10°	2085.6	2101.1	2101.1	2103.8	2105.6
12.5°	2062.9	2079.2	2081.1	2085.6	2089.2
15°	2033.8	2050.2	2054.7	2062.9	2069.3
17.5°	2001.1	2018.4	2025.6	2033.8	2042.0
20°	1964.7	1980.2	1991.1	1997.5	2009.3
22.5°	1922.0	1939.3	1951.1	1957.5	1970.2
25°	1875.7	1892.0	1905.7	1915.7	1932.0
27.5°	1826.6	1843.0	1859.3	1871.1	1890.2
30°	1772.1	1789.4	1806.6	1824.8	1842.1
32.5°	1713.0	1733.0	1752.1	1772.1	1791.2
35°	1649.4	1670.3	1693.9	1716.7	1739.4
37.5°	1590.3	1609.4	1634.0	1658.5	1681.2
40°	1522.2	1543.1	1571.3	1598.5	1622.1
42.5°	1453.1	1475.8	1506.7	1533.1	1558.5
45°	1378.6	1405.9	1437.7	1466.7	1491.3
47.5°	1309.5	1333.2	1365.0	1396.8	1422.2
50°	1232.3	1258.6	1291.4	1325.0	1353.1
52.5°	1154.1	1181.4	1215.0	1248.6	1277.7
55°	1073.2	1101.4	1136.0	1171.4	1199.6
57.5°	990.6	1020.5	1056.0	1091.4	1119.6
60°	906.9	936.9	970.6	1009.6	1035.1
62.5°	819.7	853.3	885.1	921.5	936.9
65°	732.5	764.3	797.9	829.7	838.8
67.5°	643.4	676.1	706.1	727.0	738.8
70°	552.5	588.0	609.8	629.8	637.0
72.5°	462.6	498.0	510.7	529.8	537.1
75°	373.5	408.0	416.2	433.5	439.8
77.5°	287.2	319.0	321.7	341.7	347.1
80°	205.4	230.8	235.4	254.5	258.1
82.5°	131.8	149.9	156.3	172.7	178.1
85°	69.1	79.1	86.3	94.5	96.3
87.5°	22.7	28.2	23.6	24.5	22.7
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	18.57	20.22	18.93	20.53	20.85	19.11	20.76	19.47	21.07	21.39
	3H	20.34	21.84	20.72	22.16	22.52	20.97	22.46	21.34	22.79	23.14
	4H	20.97	22.38	21.37	22.73	23.10	21.63	23.04	22.03	23.39	23.76
	6H	21.38	22.68	21.79	23.05	23.44	22.11	23.42	22.52	23.78	24.17
	8H	21.48	22.73	21.91	23.12	23.52	22.26	23.50	22.68	23.89	24.29
	12H	21.53	22.73	21.96	23.11	23.54	22.34	23.53	22.77	23.92	24.34
4H	2H	19.29	20.70	19.69	21.05	21.42	19.72	21.12	20.11	21.47	21.84
	3H	21.29	22.47	21.70	22.87	23.27	21.79	22.97	22.20	23.36	23.76
	4H	22.05	23.11	22.48	23.53	23.96	22.58	23.65	23.01	24.06	24.50
	6H	22.57	23.51	23.03	23.95	24.40	23.19	24.12	23.64	24.56	25.01
	8H	22.71	23.59	23.17	24.03	24.49	23.38	24.25	23.84	24.69	25.16
	12H	22.79	23.58	23.27	24.05	24.52	23.50	24.28	23.98	24.76	25.23
8H	4H	22.38	23.26	22.84	23.70	24.16	22.86	23.73	23.32	24.18	24.64
	6H	23.02	23.75	23.52	24.24	24.71	23.57	24.30	24.06	24.79	25.26
	8H	23.22	23.87	23.73	24.38	24.86	23.83	24.48	24.34	24.99	25.47
	12H	23.35	23.93	23.86	24.42	24.98	24.01	24.59	24.52	25.08	25.64
12H	4H	22.42	23.21	22.90	23.68	24.15	22.88	23.67	23.36	24.14	24.61
	6H	23.08	23.73	23.59	24.24	24.72	23.61	24.26	24.12	24.77	25.25
	8H	23.33	23.90	23.84	24.39	24.95	23.92	24.49	24.42	24.98	25.54