

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: P1584765

Luminaire Tested: 14CZSP-A-70-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584765
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2603-724-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-A-70-L935
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 6700 lumens, 90CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

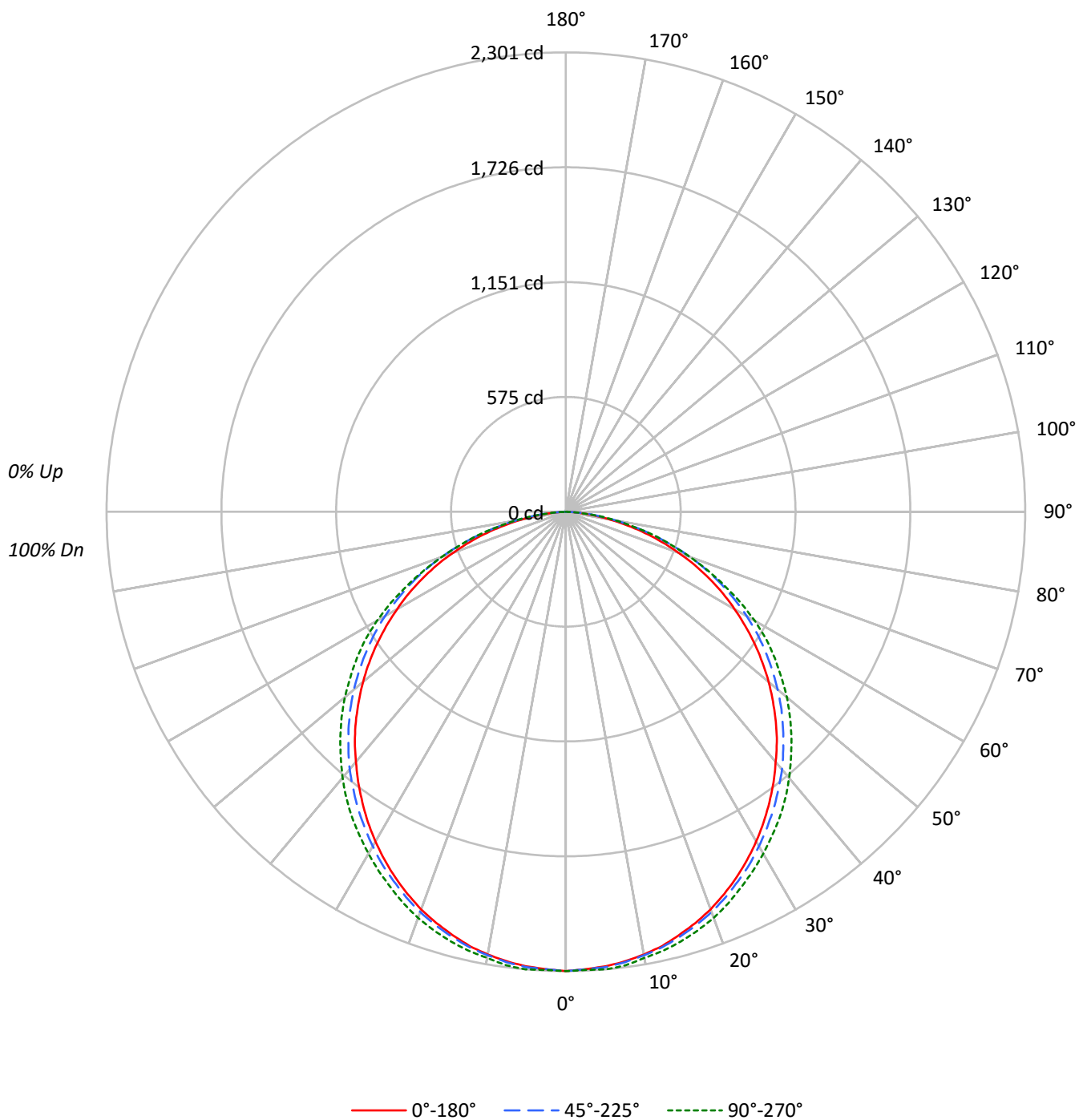
Lumens per Lamp: N/A
Luminaire Lumens: 6639.0 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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: P1584765

CATALOG NUMBER: 14CZSP-A-70-L935

Luminous Intensity Polar Plot



TEST NUMBER: P1584765

CATALOG NUMBER: 14CZSP-A-70-L935

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	53		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	29		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°	7753	7753	7753
5°	7729	7743	7783
10°	7704	7718	7765
15°	7656	7690	7772
20°	7601	7651	7764
25°	7515	7589	7720
30°	7421	7528	7696
35°	7311	7465	7684
40°	7194	7411	7653
45°	7091	7335	7616
50°	6954	7263	7573
55°	6788	7169	7504
60°	6579	7057	7362
65°	6324	6858	6999
70°	5934	6515	6515
75°	5330	5920	5944
80°	4391	5003	5003
85°	3043	3654	3197

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7616 cd/sqm

TEST NUMBER: P1584765

CATALOG NUMBER: 14CZSP-A-70-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.9	3.3
10°-20°	624.2	9.4
20°-30°	944.7	14.2
30°-40°	1140.5	17.2
40°-50°	1191.5	17.9
50°-60°	1091.5	16.4
60°-70°	841.5	12.7
70°-80°	474.8	7.2
80°-90°	112.4	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°	1786.8	26.9
0°-40°	2927.3	44.1
0°-60°	5210.3	78.5
0°-90°	6639.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6639.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2301	2301	2301	2301	2301	
5°	2285	2301	2289	2293	2301	217
15°	2195	2208	2204	2222	2228	619
25°	2021	2039	2041	2069	2076	931
35°	1777	1801	1815	1854	1868	1112
45°	1488	1514	1539	1584	1598	1147
55°	1155	1185	1220	1266	1277	1032
65°	793	819	860	890	878	784
75°	409	441	455	466	457	434
85°	79	89	94	100	83	99
90°	0	0	0	0	0	

TEST NUMBER: P1584765

CATALOG NUMBER: 14CZSP-A-70-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2300.9	2300.9	2300.9	2300.9	2300.9
2.5°	2293.0	2308.7	2293.0	2300.9	2296.9
5°	2285.1	2300.9	2289.1	2293.0	2300.9
7.5°	2271.3	2287.1	2275.3	2281.2	2291.0
10°	2251.7	2267.4	2255.6	2265.4	2269.4
12.5°	2228.0	2241.8	2233.9	2245.8	2251.7
15°	2194.6	2208.4	2204.4	2222.1	2228.0
17.5°	2159.2	2174.9	2171.0	2192.6	2198.5
20°	2119.8	2133.6	2133.6	2153.2	2165.1
22.5°	2072.5	2088.3	2090.3	2111.9	2123.7
25°	2021.4	2039.1	2041.1	2068.6	2076.5
27.5°	1966.3	1984.0	1991.9	2021.4	2029.2
30°	1907.2	1924.9	1934.8	1968.2	1978.1
32.5°	1844.2	1865.9	1875.7	1913.1	1923.0
35°	1777.3	1800.9	1814.7	1854.1	1867.9
37.5°	1708.4	1732.0	1749.8	1791.1	1806.8
40°	1635.6	1661.2	1684.8	1726.1	1739.9
42.5°	1564.7	1590.3	1612.0	1655.3	1669.1
45°	1488.0	1513.6	1539.2	1584.4	1598.2
47.5°	1407.3	1434.8	1464.4	1505.7	1523.4
50°	1326.6	1354.1	1385.6	1428.9	1444.7
52.5°	1242.0	1271.5	1303.0	1348.2	1360.0
55°	1155.4	1184.9	1220.3	1265.6	1277.4
57.5°	1066.8	1098.3	1135.7	1179.0	1190.8
60°	976.2	1007.7	1047.1	1088.4	1092.4
62.5°	887.7	915.2	954.6	994.0	988.1
65°	793.2	818.8	860.1	889.6	877.8
67.5°	698.7	726.3	763.7	785.3	769.6
70°	602.3	631.8	661.3	677.1	661.3
72.5°	505.8	537.3	559.0	568.8	555.0
75°	409.4	440.9	454.7	466.5	456.6
77.5°	316.9	346.4	352.3	366.1	352.3
80°	226.3	253.9	257.8	271.6	257.8
82.5°	145.6	163.4	171.2	183.0	169.3
85°	78.7	88.6	94.5	100.4	82.7
87.5°	27.6	31.5	27.6	23.6	9.8
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584765

CATALOG NUMBER: 14CZSP-A-70-L935

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	21.11	19.37	21.02	19.74	21.34	21.65
	3H	20.62	22.11	20.99	22.44	22.79	21.18	22.67	21.56	23.00	23.36
	4H	21.26	22.66	21.65	23.01	23.38	21.82	23.23	22.22	23.58	23.95
	6H	21.68	22.98	22.09	23.35	23.74	22.26	23.57	22.67	23.93	24.32
	8H	21.79	23.03	22.21	23.42	23.82	22.39	23.63	22.81	24.02	24.42
	12H	21.84	23.04	22.27	23.42	23.85	22.44	23.64	22.87	24.02	24.45
4H	2H	19.56	20.96	19.95	21.31	21.68	19.98	21.39	20.38	21.73	22.11
	3H	21.56	22.74	21.97	23.14	23.54	22.02	23.20	22.43	23.59	23.99
	4H	22.33	23.40	22.76	23.81	24.25	22.80	23.86	23.23	24.28	24.71
	6H	22.87	23.81	23.33	24.25	24.70	23.36	24.30	23.82	24.74	25.19
	8H	23.02	23.89	23.48	24.33	24.80	23.53	24.40	23.99	24.84	25.31
	12H	23.10	23.89	23.58	24.36	24.83	23.62	24.41	24.10	24.88	25.35
8H	4H	22.67	23.55	23.13	23.99	24.45	23.08	23.96	23.54	24.40	24.86
	6H	23.33	24.06	23.82	24.54	25.02	23.77	24.49	24.26	24.98	25.45
	8H	23.54	24.19	24.05	24.69	25.18	24.00	24.65	24.51	25.16	25.64
	12H	23.67	24.25	24.18	24.74	25.30	24.15	24.72	24.66	25.21	25.77
12H	4H	22.71	23.49	23.19	23.97	24.44	23.11	23.90	23.59	24.37	24.84
	6H	23.39	24.04	23.89	24.54	25.03	23.81	24.46	24.32	24.96	25.45
	8H	23.64	24.22	24.15	24.71	25.27	24.09	24.67	24.60	25.16	25.72