

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: P1584450

Luminaire Tested: 14CZSP-65-L950-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584450
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-65-L950-S
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 6200 lumens, 90CRI, Smooth Lens
Light Source: -
Ballast/Driver: -

Summary

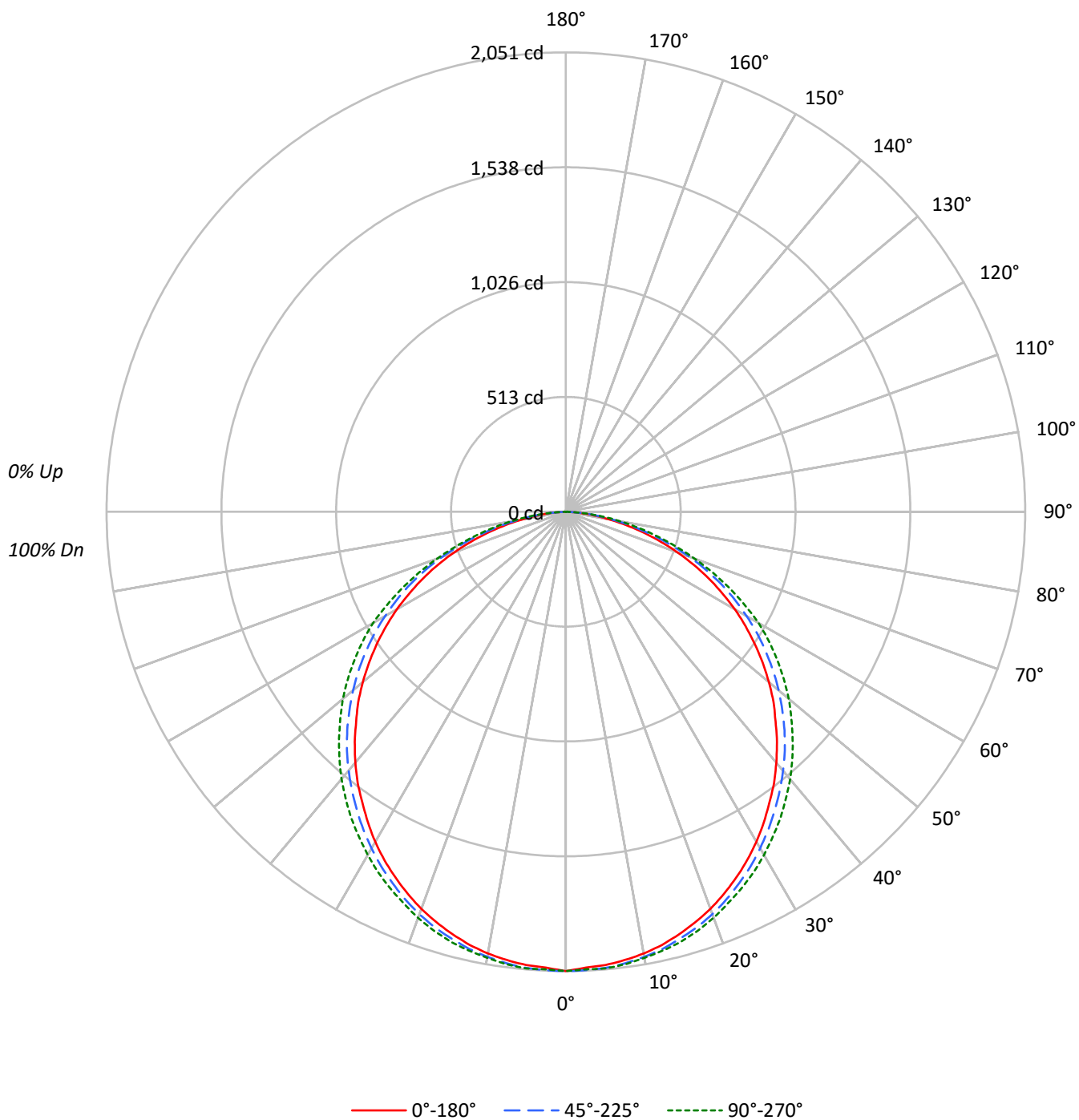
Lumens per Lamp: N/A
Luminaire Lumens: 5929.0 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 48.8
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: P1584450

CATALOG NUMBER: 14CZSP-65-L950-S

Luminous Intensity Polar Plot



TEST NUMBER: P1584450

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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°	6910	6910	6910
5°	6872	6916	6922
10°	6853	6904	6918
15°	6813	6883	6932
20°	6766	6856	6919
25°	6697	6804	6898
30°	6621	6750	6883
35°	6516	6691	6871
40°	6430	6637	6852
45°	6309	6579	6824
50°	6204	6501	6812
55°	6055	6409	6768
60°	5870	6281	6699
65°	5608	6109	6422
70°	5227	5769	6027
75°	4670	5204	5499
80°	3827	4385	4808
85°	2563	3205	3576

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6824 cd/sqm

TEST NUMBER: P1584450

CATALOG NUMBER: 14CZSP-65-L950-S

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.2	3.3
10°-20°	556.8	9.4
20°-30°	843.2	14.2
30°-40°	1018.2	17.2
40°-50°	1064.1	17.9
50°-60°	975.1	16.4
60°-70°	752.7	12.7
70°-80°	423.4	7.1
80°-90°	101.3	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°	1594.2	26.9
0°-40°	2612.4	44.1
0°-60°	4651.6	78.5
0°-90°	5929.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5929.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2051	2051	2051	2051	2051	
5°	2032	2046	2045	2046	2046	193
15°	1953	1969	1973	1981	1987	551
25°	1801	1817	1830	1840	1855	830
35°	1584	1604	1627	1648	1670	992
45°	1324	1350	1381	1408	1432	1023
55°	1031	1058	1091	1125	1152	921
65°	703	734	766	797	806	695
75°	359	392	400	416	422	380
85°	66	76	83	91	92	85
90°	0	0	0	0	0	

TEST NUMBER: P1584450

CATALOG NUMBER: 14CZSP-65-L950-S

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2050.8	2050.8	2050.8	2050.8	2050.8
2.5°	2036.9	2052.6	2049.1	2054.3	2044.7
5°	2031.6	2046.5	2044.7	2046.5	2046.5
7.5°	2018.6	2034.3	2033.4	2036.0	2037.8
10°	2002.8	2017.7	2017.7	2020.3	2022.0
12.5°	1981.0	1996.7	1998.5	2002.8	2006.3
15°	1953.1	1968.8	1973.2	1981.0	1987.1
17.5°	1921.7	1938.3	1945.2	1953.1	1961.0
20°	1886.8	1901.6	1912.1	1918.2	1929.5
22.5°	1845.8	1862.3	1873.7	1879.8	1892.0
25°	1801.3	1817.0	1830.1	1839.7	1855.4
27.5°	1754.1	1769.8	1785.5	1796.9	1815.2
30°	1701.8	1718.3	1734.9	1752.4	1769.0
32.5°	1645.0	1664.2	1682.6	1701.8	1720.1
35°	1584.0	1604.0	1626.7	1648.5	1670.3
37.5°	1527.2	1545.6	1569.1	1592.7	1614.5
40°	1461.8	1481.8	1508.9	1535.1	1557.8
42.5°	1395.4	1417.3	1446.9	1472.2	1496.7
45°	1323.9	1350.1	1380.6	1408.5	1432.1
47.5°	1257.6	1280.3	1310.8	1341.3	1365.8
50°	1183.4	1208.7	1240.1	1272.4	1299.5
52.5°	1108.3	1134.5	1166.8	1199.1	1227.0
55°	1030.7	1057.7	1090.9	1124.9	1152.0
57.5°	951.2	980.0	1014.1	1048.1	1075.2
60°	871.0	899.8	932.0	969.6	994.0
62.5°	787.2	819.5	850.0	884.9	899.8
65°	703.4	733.9	766.2	796.8	805.5
67.5°	617.9	649.3	678.1	698.2	709.5
70°	530.6	564.6	585.6	604.8	611.8
72.5°	444.2	478.2	490.5	508.8	515.8
75°	358.7	391.8	399.7	416.3	422.4
77.5°	275.8	306.3	308.9	328.1	333.4
80°	197.2	221.7	226.0	244.4	247.8
82.5°	126.5	144.0	150.1	165.8	171.0
85°	66.3	75.9	82.9	90.8	92.5
87.5°	21.8	27.1	22.7	23.6	21.8
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584450

CATALOG NUMBER: 14CZSP-65-L950-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	18.43	20.08	18.79	20.39	20.71	18.97	20.62	19.33	20.93	21.25
	3H	20.20	21.70	20.58	22.02	22.38	20.83	22.32	21.20	22.64	23.00
	4H	20.83	22.24	21.23	22.58	22.96	21.49	22.90	21.89	23.25	23.62
	6H	21.24	22.54	21.65	22.91	23.30	21.97	23.28	22.38	23.64	24.03
	8H	21.34	22.59	21.77	22.98	23.38	22.12	23.36	22.54	23.75	24.15
	12H	21.39	22.59	21.82	22.97	23.40	22.20	23.39	22.63	23.78	24.20
4H	2H	19.15	20.56	19.55	20.91	21.28	19.57	20.98	19.97	21.33	21.70
	3H	21.15	22.33	21.56	22.72	23.12	21.65	22.83	22.06	23.22	23.62
	4H	21.90	22.97	22.34	23.39	23.82	22.44	23.51	22.87	23.92	24.36
	6H	22.43	23.37	22.89	23.81	24.26	23.05	23.98	23.50	24.42	24.87
	8H	22.57	23.45	23.03	23.89	24.35	23.24	24.11	23.70	24.55	25.02
	12H	22.65	23.44	23.13	23.91	24.38	23.36	24.14	23.84	24.62	25.09
8H	4H	22.24	23.12	22.70	23.56	24.02	22.72	23.59	23.18	24.03	24.50
	6H	22.88	23.61	23.37	24.10	24.57	23.43	24.16	23.92	24.64	25.12
	8H	23.08	23.73	23.59	24.24	24.72	23.69	24.34	24.20	24.85	25.33
	12H	23.21	23.79	23.72	24.28	24.84	23.87	24.45	24.38	24.94	25.50
12H	4H	22.28	23.06	22.76	23.54	24.01	22.74	23.53	23.22	24.00	24.47
	6H	22.94	23.59	23.45	24.09	24.58	23.47	24.12	23.98	24.63	25.11
	8H	23.19	23.76	23.69	24.25	24.81	23.78	24.35	24.28	24.84	25.40