

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: P1584743

Luminaire Tested: 14CZSP-A-65-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584743
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-65-L930
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 6200 lumens, 90CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

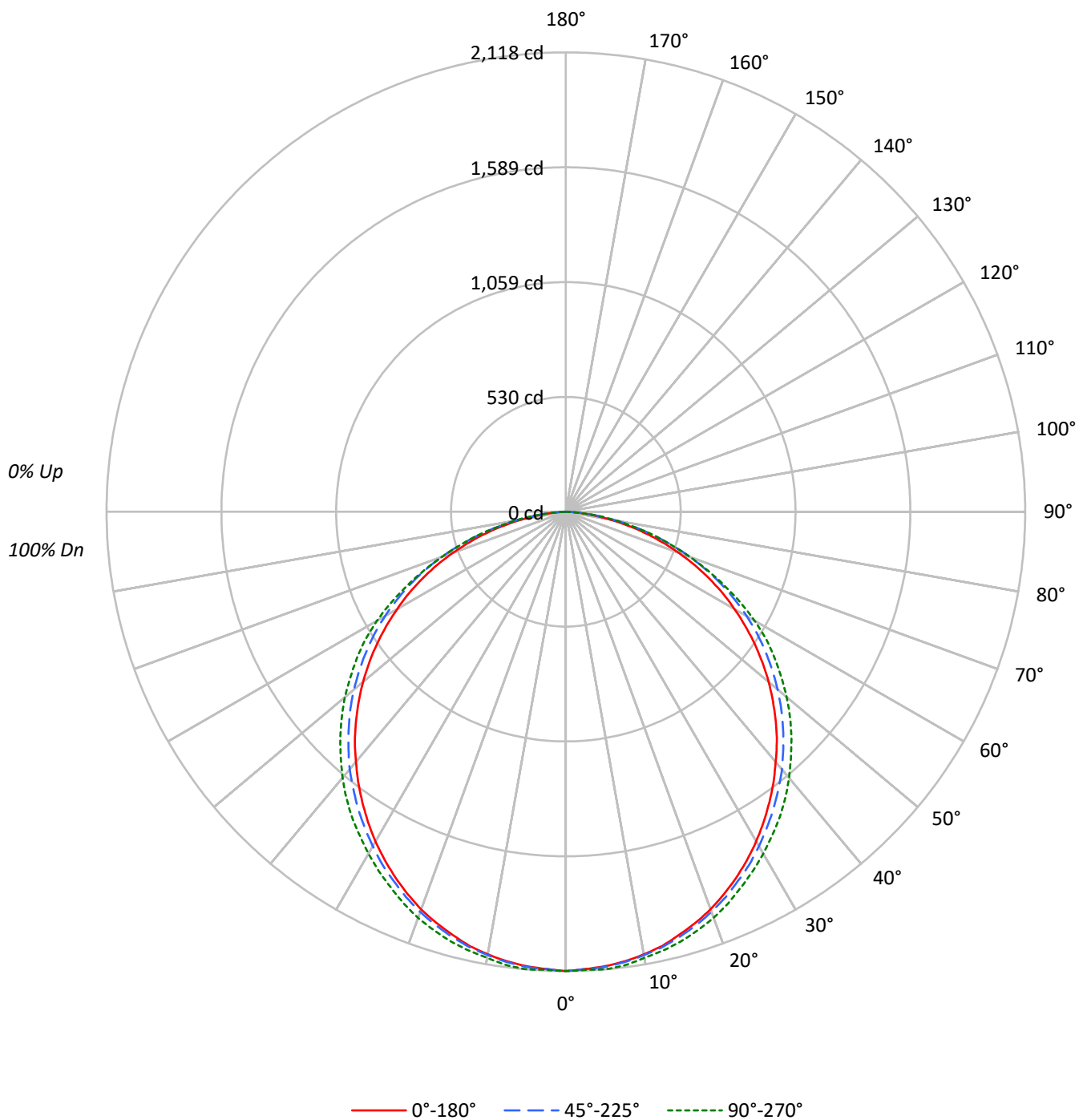
Lumens per Lamp: N/A
Luminaire Lumens: 6110.0 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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

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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	100	96	106	102	98	94	97	94	91		93	91	88		90
2	99	90	83	78	96	88	82	77	85	80	75		82	77	73		79
3	90	79	71	64	87	78	70	64	75	68	63		72	66	62		69
4	82	70	61	54	80	69	60	54	66	59	53		64	58	53		62
5	76	63	53	47	73	61	53	46	59	52	46		57	51	45		55
6	70	56	47	41	68	55	47	41	53	46	40		52	45	40		50
7	65	51	42	36	63	50	42	36	49	41	35		47	40	35		46
8	60	46	38	32	59	46	38	32	44	37	32		43	36	31		42
9	56	43	34	29	55	42	34	29	41	34	29		40	33	28		39
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7135	7135	7135
5°	7113	7126	7162
10°	7090	7103	7146
15°	7046	7077	7153
20°	6996	7041	7145
25°	6916	6984	7105
30°	6829	6928	7083
35°	6728	6870	7071
40°	6621	6821	7044
45°	6526	6750	7009
50°	6400	6685	6970
55°	6247	6598	6906
60°	6055	6495	6775
65°	5820	6312	6441
70°	5461	5996	5996
75°	4906	5447	5471
80°	4042	4605	4605
85°	2803	3360	2942

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7009 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.6	3.3
10°-20°	574.5	9.4
20°-30°	869.4	14.2
30°-40°	1049.6	17.2
40°-50°	1096.6	17.9
50°-60°	1004.5	16.4
60°-70°	774.5	12.7
70°-80°	436.9	7.2
80°-90°	103.4	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°	1644.4	26.9
0°-40°	2694.0	44.1
0°-60°	4795.1	78.5
0°-90°	6110.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6110.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2118	2118	2118	2118	2118	
5°	2103	2118	2107	2110	2118	200
15°	2020	2032	2029	2045	2050	570
25°	1860	1877	1878	1904	1911	857
35°	1636	1657	1670	1706	1719	1023
45°	1369	1393	1416	1458	1471	1056
55°	1063	1090	1123	1165	1176	950
65°	730	754	792	819	808	722
75°	377	406	418	429	420	399
85°	72	82	87	92	76	91
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2117.5	2117.5	2117.5	2117.5	2117.5
2.5°	2110.3	2124.8	2110.3	2117.5	2113.9
5°	2103.0	2117.5	2106.7	2110.3	2117.5
7.5°	2090.4	2104.8	2094.0	2099.4	2108.5
10°	2072.2	2086.7	2075.9	2084.9	2088.5
12.5°	2050.5	2063.2	2055.9	2066.8	2072.2
15°	2019.7	2032.4	2028.8	2045.1	2050.5
17.5°	1987.1	2001.6	1998.0	2017.9	2023.3
20°	1950.9	1963.6	1963.6	1981.7	1992.5
22.5°	1907.4	1921.9	1923.7	1943.6	1954.5
25°	1860.3	1876.6	1878.4	1903.8	1911.0
27.5°	1809.6	1825.9	1833.1	1860.3	1867.6
30°	1755.2	1771.6	1780.6	1811.4	1820.5
32.5°	1697.3	1717.2	1726.3	1760.7	1769.7
35°	1635.7	1657.4	1670.1	1706.3	1719.0
37.5°	1572.3	1594.0	1610.3	1648.4	1662.9
40°	1505.3	1528.8	1550.6	1588.6	1601.3
42.5°	1440.1	1463.6	1483.5	1523.4	1536.1
45°	1369.4	1393.0	1416.5	1458.2	1470.9
47.5°	1295.2	1320.5	1347.7	1385.7	1402.0
50°	1220.9	1246.2	1275.2	1315.1	1329.6
52.5°	1143.0	1170.2	1199.1	1240.8	1251.7
55°	1063.3	1090.5	1123.1	1164.7	1175.6
57.5°	981.8	1010.8	1045.2	1085.0	1095.9
60°	898.5	927.4	963.7	1001.7	1005.3
62.5°	816.9	842.3	878.5	914.8	909.3
65°	730.0	753.5	791.6	818.8	807.9
67.5°	643.0	668.4	702.8	722.7	708.3
70°	554.3	581.5	608.6	623.1	608.6
72.5°	465.5	494.5	514.4	523.5	510.8
75°	376.8	405.8	418.4	429.3	420.2
77.5°	291.6	318.8	324.2	336.9	324.2
80°	208.3	233.7	237.3	250.0	237.3
82.5°	134.0	150.3	157.6	168.5	155.8
85°	72.5	81.5	86.9	92.4	76.1
87.5°	25.4	29.0	25.4	21.7	9.1
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	18.54	20.19	18.90	20.50	20.82	19.08	20.73	19.45	21.05	21.36
	3H	20.33	21.82	20.70	22.15	22.51	20.89	22.38	21.27	22.71	23.07
	4H	20.97	22.37	21.36	22.72	23.10	21.54	22.94	21.93	23.29	23.67
	6H	21.39	22.70	21.80	23.06	23.45	21.98	23.28	22.39	23.64	24.03
	8H	21.50	22.75	21.92	23.13	23.53	22.10	23.34	22.52	23.73	24.13
	12H	21.55	22.75	21.98	23.13	23.56	22.16	23.35	22.59	23.73	24.16
4H	2H	19.27	20.67	19.66	21.02	21.40	19.69	21.10	20.09	21.45	21.82
	3H	21.27	22.45	21.68	22.85	23.25	21.73	22.91	22.14	23.31	23.70
	4H	22.04	23.11	22.47	23.52	23.96	22.51	23.58	22.94	23.99	24.42
	6H	22.59	23.52	23.04	23.96	24.41	23.08	24.01	23.53	24.45	24.90
	8H	22.73	23.60	23.19	24.05	24.51	23.24	24.11	23.70	24.56	25.02
	12H	22.82	23.60	23.29	24.08	24.54	23.33	24.12	23.81	24.59	25.06
8H	4H	22.38	23.26	22.84	23.70	24.16	22.80	23.67	23.26	24.11	24.58
	6H	23.04	23.77	23.54	24.26	24.73	23.48	24.20	23.97	24.69	25.17
	8H	23.25	23.90	23.76	24.41	24.89	23.71	24.36	24.22	24.87	25.35
	12H	23.39	23.96	23.89	24.45	25.01	23.86	24.44	24.37	24.93	25.49
12H	4H	22.42	23.21	22.90	23.68	24.15	22.82	23.61	23.30	24.08	24.55
	6H	23.10	23.75	23.61	24.26	24.74	23.52	24.17	24.03	24.68	25.16
	8H	23.36	23.93	23.86	24.42	24.98	23.80	24.38	24.31	24.87	25.43