

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: P1584463

Luminaire Tested: 14CZSP-70-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584463
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-70-L930
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 6700 lumens, 90CRI, Ribbed Lens
Light Source: -
Ballast/Driver: -

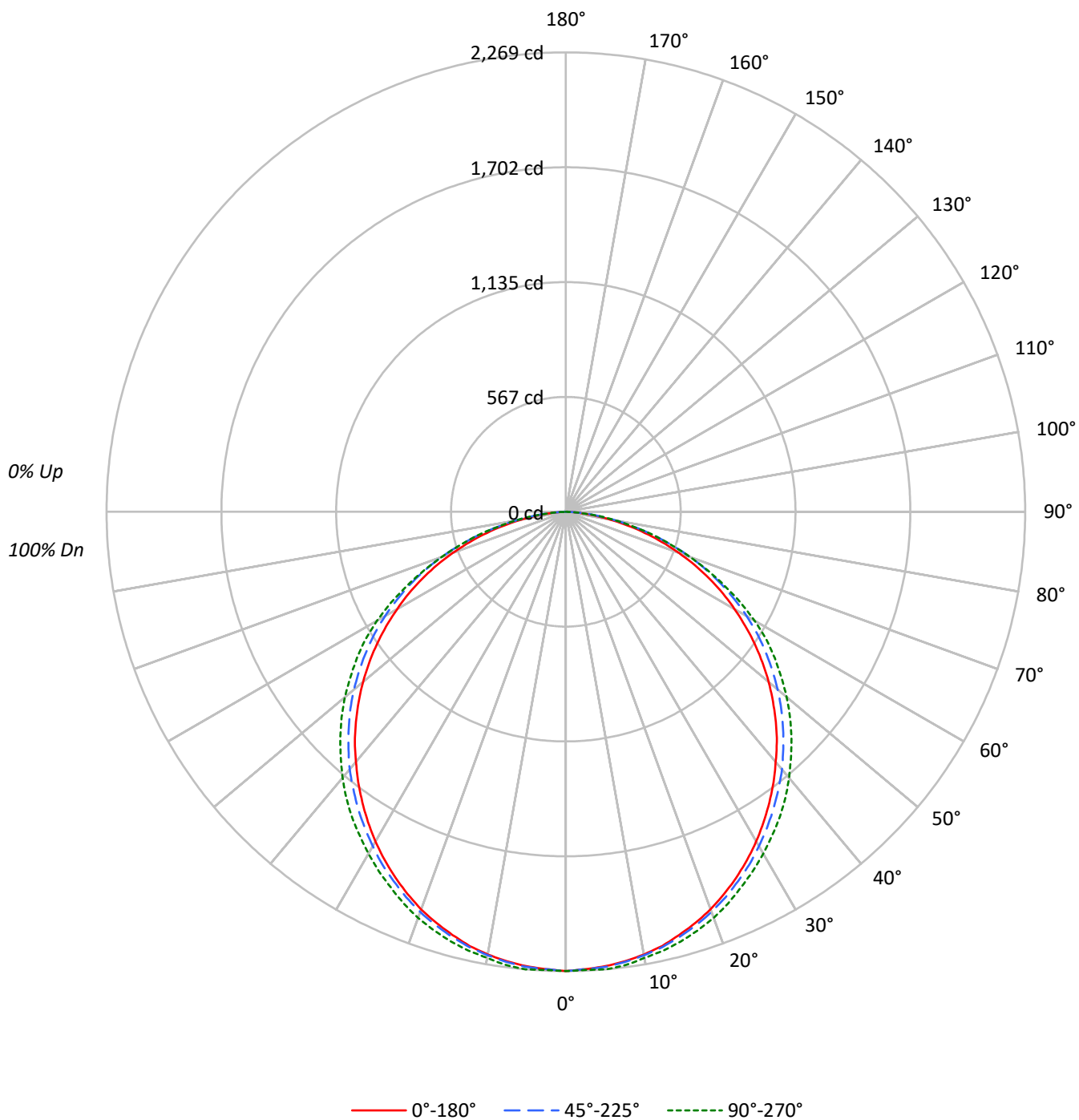
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6546.0 lumens
Efficiency: N/A
Efficacy: 122.6 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

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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			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°	7644	7644	7644
5°	7621	7634	7673
10°	7596	7610	7656
15°	7548	7582	7663
20°	7495	7544	7655
25°	7410	7482	7612
30°	7317	7423	7589
35°	7208	7360	7576
40°	7094	7307	7546
45°	6991	7232	7509
50°	6857	7162	7467
55°	6692	7068	7399
60°	6487	6958	7259
65°	6236	6762	6901
70°	5850	6424	6424
75°	5256	5836	5861
80°	4331	4933	4933
85°	3000	3603	3151

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7509 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.9	3.3
10°-20°	615.4	9.4
20°-30°	931.5	14.2
30°-40°	1124.5	17.2
40°-50°	1174.8	17.9
50°-60°	1076.2	16.4
60°-70°	829.7	12.7
70°-80°	468.1	7.2
80°-90°	110.8	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°	1761.8	26.9
0°-40°	2886.3	44.1
0°-60°	5137.3	78.5
0°-90°	6546.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6546.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2269	2269	2269	2269	2269	
5°	2253	2269	2257	2261	2269	214
15°	2164	2177	2174	2191	2197	611
25°	1993	2010	2012	2040	2047	918
35°	1752	1776	1789	1828	1842	1096
45°	1467	1492	1518	1562	1576	1131
55°	1139	1168	1203	1248	1260	1018
65°	782	807	848	877	866	773
75°	404	435	448	460	450	428
85°	78	87	93	99	82	98
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2268.6	2268.6	2268.6	2268.6	2268.6
2.5°	2260.9	2276.4	2260.9	2268.6	2264.8
5°	2253.1	2268.6	2257.0	2260.9	2268.6
7.5°	2239.5	2255.0	2243.4	2249.2	2258.9
10°	2220.1	2235.6	2224.0	2233.7	2237.6
12.5°	2196.8	2210.4	2202.7	2214.3	2220.1
15°	2163.8	2177.4	2173.5	2191.0	2196.8
17.5°	2128.9	2144.4	2140.5	2161.9	2167.7
20°	2090.1	2103.7	2103.7	2123.1	2134.7
22.5°	2043.5	2059.0	2061.0	2082.3	2094.0
25°	1993.1	2010.5	2012.5	2039.6	2047.4
27.5°	1938.7	1956.2	1963.9	1993.1	2000.8
30°	1880.5	1898.0	1907.7	1940.7	1950.4
32.5°	1818.4	1839.7	1849.4	1886.3	1896.0
35°	1752.4	1775.7	1789.3	1828.1	1841.7
37.5°	1684.5	1707.8	1725.2	1766.0	1781.5
40°	1612.7	1637.9	1661.2	1702.0	1715.5
42.5°	1542.8	1568.1	1589.4	1632.1	1645.7
45°	1467.1	1492.4	1517.6	1562.2	1575.8
47.5°	1387.6	1414.7	1443.9	1484.6	1502.1
50°	1308.0	1335.2	1366.2	1408.9	1424.4
52.5°	1224.6	1253.7	1284.7	1329.4	1341.0
55°	1139.2	1168.3	1203.2	1247.8	1259.5
57.5°	1051.8	1082.9	1119.8	1162.5	1174.1
60°	962.6	993.6	1032.4	1073.2	1077.1
62.5°	875.2	902.4	941.2	980.0	974.2
65°	782.1	807.3	848.1	877.2	865.5
67.5°	688.9	716.1	753.0	774.3	758.8
70°	593.8	623.0	652.1	667.6	652.1
72.5°	498.7	529.8	551.1	560.9	547.3
75°	403.7	434.7	448.3	459.9	450.2
77.5°	312.4	341.6	347.4	361.0	347.4
80°	223.2	250.3	254.2	267.8	254.2
82.5°	143.6	161.1	168.8	180.5	166.9
85°	77.6	87.3	93.2	99.0	81.5
87.5°	27.2	31.1	27.2	23.3	9.7
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	18.78	20.43	19.14	20.74	21.06	19.32	20.97	19.69	21.29	21.60
	3H	20.57	22.06	20.94	22.39	22.75	21.13	22.62	21.51	22.95	23.31
	4H	21.21	22.61	21.60	22.96	23.34	21.78	23.18	22.17	23.53	23.90
	6H	21.63	22.93	22.04	23.30	23.69	22.22	23.52	22.63	23.88	24.27
	8H	21.74	22.98	22.16	23.37	23.77	22.34	23.58	22.76	23.97	24.37
	12H	21.79	22.99	22.22	23.37	23.80	22.40	23.59	22.82	23.97	24.40
4H	2H	19.51	20.91	19.90	21.26	21.64	19.93	21.34	20.33	21.69	22.06
	3H	21.51	22.69	21.92	23.09	23.49	21.97	23.15	22.38	23.54	23.94
	4H	22.28	23.35	22.71	23.76	24.20	22.75	23.82	23.18	24.23	24.66
	6H	22.82	23.76	23.28	24.20	24.65	23.32	24.25	23.77	24.69	25.14
	8H	22.97	23.84	23.43	24.29	24.75	23.48	24.35	23.94	24.80	25.26
	12H	23.05	23.84	23.53	24.31	24.78	23.57	24.36	24.05	24.83	25.30
8H	4H	22.62	23.50	23.08	23.94	24.40	23.04	23.91	23.50	24.35	24.82
	6H	23.28	24.01	23.78	24.50	24.97	23.72	24.44	24.21	24.93	25.41
	8H	23.49	24.14	24.00	24.64	25.13	23.95	24.60	24.46	25.11	25.59
	12H	23.63	24.20	24.13	24.69	25.25	24.10	24.68	24.61	25.17	25.73
12H	4H	22.66	23.45	23.14	23.92	24.39	23.06	23.85	23.54	24.32	24.79
	6H	23.34	23.99	23.85	24.50	24.98	23.76	24.41	24.27	24.92	25.40
	8H	23.60	24.17	24.10	24.66	25.22	24.04	24.62	24.55	25.11	25.67