

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: P1584502

Luminaire Tested: 14CZSP-75-L930-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584502
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-75-L930-S
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 7200 lumens, 90CRI, Smooth Lens
Light Source: -
Ballast/Driver: -

Summary

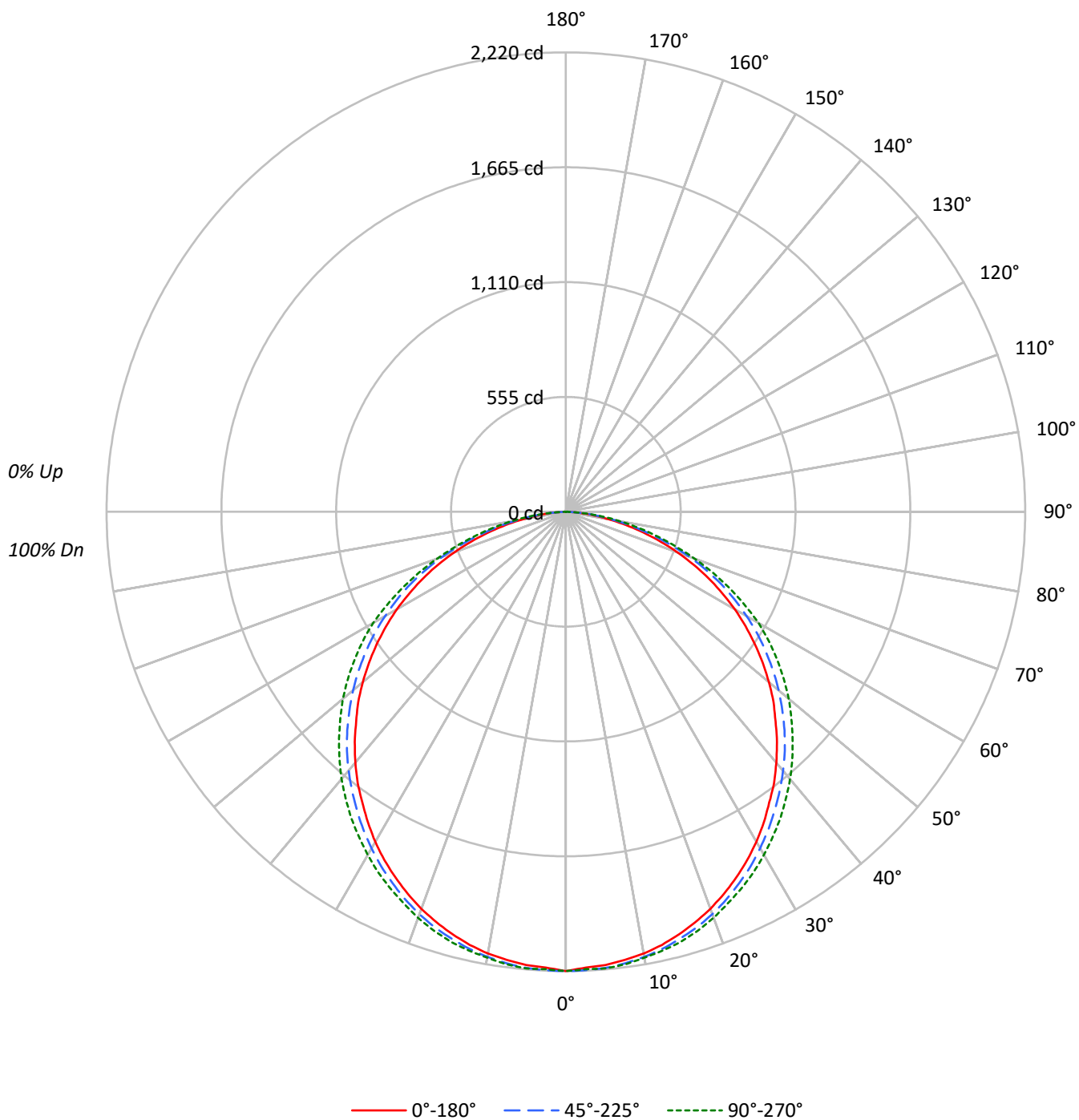
Lumens per Lamp: N/A
Luminaire Lumens: 6417.0 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 57.2
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	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°	7479	7479	7479
5°	7438	7485	7492
10°	7417	7472	7488
15°	7374	7450	7503
20°	7323	7421	7489
25°	7248	7364	7466
30°	7166	7306	7449
35°	7052	7242	7436
40°	6959	7183	7416
45°	6828	7120	7386
50°	6714	7036	7373
55°	6553	6936	7325
60°	6352	6798	7250
65°	6070	6612	6951
70°	5658	6244	6523
75°	5054	5632	5952
80°	4143	4746	5204
85°	2776	3468	3870

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7386 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.2	3.3
10°-20°	602.7	9.4
20°-30°	912.6	14.2
30°-40°	1102.0	17.2
40°-50°	1151.7	17.9
50°-60°	1055.3	16.4
60°-70°	814.6	12.7
70°-80°	458.2	7.1
80°-90°	109.6	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°	1725.4	26.9
0°-40°	2827.5	44.1
0°-60°	5034.5	78.5
0°-90°	6417.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6417.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2220	2220	2220	2220	2220	
5°	2199	2215	2213	2215	2215	209
15°	2114	2131	2136	2144	2151	596
25°	1950	1966	1981	1991	2008	898
35°	1714	1736	1761	1784	1808	1074
45°	1433	1461	1494	1524	1550	1107
55°	1116	1145	1181	1218	1247	997
65°	761	794	829	862	872	752
75°	388	424	433	450	457	412
85°	72	82	90	98	100	92
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2219.6	2219.6	2219.6	2219.6	2219.6
2.5°	2204.5	2221.5	2217.8	2223.4	2213.0
5°	2198.9	2214.9	2213.0	2214.9	2214.9
7.5°	2184.7	2201.7	2200.8	2203.6	2205.5
10°	2167.7	2183.8	2183.8	2186.6	2188.5
12.5°	2144.1	2161.1	2163.0	2167.7	2171.5
15°	2113.9	2130.9	2135.6	2144.1	2150.7
17.5°	2079.9	2097.8	2105.4	2113.9	2122.4
20°	2042.1	2058.1	2069.5	2076.1	2088.4
22.5°	1997.7	2015.6	2027.9	2034.5	2047.7
25°	1949.5	1966.5	1980.7	1991.1	2008.1
27.5°	1898.5	1915.5	1932.5	1944.8	1964.6
30°	1841.8	1859.8	1877.7	1896.6	1914.6
32.5°	1780.4	1801.2	1821.1	1841.8	1861.7
35°	1714.3	1736.0	1760.6	1784.2	1807.8
37.5°	1652.9	1672.8	1698.3	1723.8	1747.4
40°	1582.1	1603.8	1633.1	1661.4	1686.0
42.5°	1510.3	1533.9	1566.0	1593.4	1619.9
45°	1432.9	1461.2	1494.2	1524.5	1550.0
47.5°	1361.1	1385.6	1418.7	1451.7	1478.2
50°	1280.8	1308.2	1342.2	1377.1	1406.4
52.5°	1199.6	1227.9	1262.8	1297.8	1328.0
55°	1115.5	1144.8	1180.7	1217.5	1246.8
57.5°	1029.5	1060.7	1097.5	1134.4	1163.7
60°	942.6	973.8	1008.8	1049.4	1075.8
62.5°	852.0	886.9	920.0	957.8	973.8
65°	761.3	794.3	829.3	862.4	871.8
67.5°	668.7	702.7	733.9	755.6	767.9
70°	574.3	611.1	633.8	654.6	662.1
72.5°	480.8	517.6	530.8	550.7	558.2
75°	388.2	424.1	432.6	450.5	457.2
77.5°	298.5	331.5	334.4	355.1	360.8
80°	213.5	239.9	244.6	264.5	268.2
82.5°	137.0	155.8	162.5	179.5	185.1
85°	71.8	82.2	89.7	98.2	100.1
87.5°	23.6	29.3	24.6	25.5	23.6
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	18.70	20.35	19.07	20.67	20.98	19.24	20.89	19.61	21.21	21.52
	3H	20.48	21.97	20.86	22.30	22.66	21.10	22.59	21.48	22.92	23.28
	4H	21.11	22.51	21.50	22.86	23.23	21.77	23.18	22.17	23.52	23.90
	6H	21.51	22.82	21.92	23.18	23.57	22.25	23.55	22.66	23.91	24.30
	8H	21.62	22.86	22.04	23.25	23.65	22.39	23.64	22.82	24.03	24.43
	12H	21.67	22.86	22.10	23.24	23.67	22.47	23.67	22.90	24.05	24.48
4H	2H	19.43	20.83	19.83	21.18	21.56	19.85	21.26	20.25	21.60	21.98
	3H	21.42	22.60	21.83	23.00	23.40	21.92	23.10	22.33	23.50	23.90
	4H	22.18	23.25	22.61	23.66	24.10	22.72	23.79	23.15	24.20	24.63
	6H	22.71	23.64	23.16	24.08	24.54	23.32	24.25	23.77	24.69	25.15
	8H	22.85	23.72	23.31	24.16	24.63	23.51	24.39	23.97	24.83	25.29
	12H	22.93	23.71	23.40	24.19	24.65	23.63	24.42	24.11	24.89	25.36
8H	4H	22.52	23.39	22.98	23.83	24.30	22.99	23.87	23.45	24.31	24.77
	6H	23.16	23.88	23.65	24.37	24.84	23.71	24.43	24.20	24.92	25.39
	8H	23.36	24.01	23.87	24.51	25.00	23.96	24.61	24.47	25.12	25.61
	12H	23.49	24.06	23.99	24.55	25.11	24.15	24.72	24.65	25.21	25.77
12H	4H	22.55	23.34	23.03	23.81	24.28	23.02	23.80	23.50	24.28	24.75
	6H	23.21	23.86	23.72	24.37	24.86	23.74	24.40	24.25	24.90	25.39
	8H	23.46	24.04	23.97	24.53	25.09	24.05	24.63	24.56	25.12	25.68