

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: P1584805

Luminaire Tested: 14CZSP-A-75-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584805
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-75-L935
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 7200 lumens, 90CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

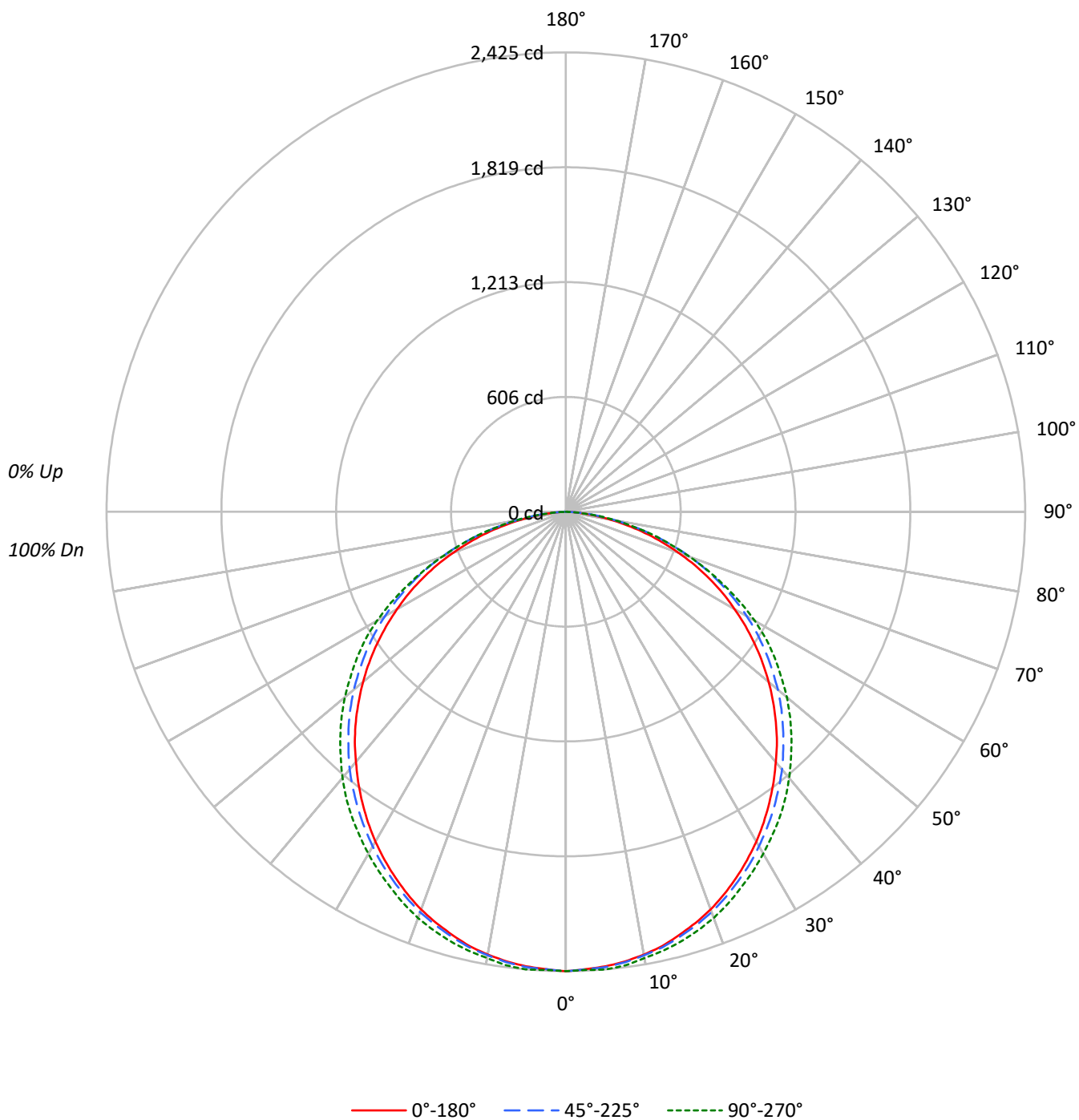
Lumens per Lamp: N/A
Luminaire Lumens: 6998.0 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	8172	8172	8172
5°	8147	8161	8203
10°	8121	8135	8185
15°	8069	8106	8193
20°	8012	8064	8183
25°	7922	7999	8138
30°	7822	7935	8112
35°	7706	7868	8099
40°	7583	7812	8067
45°	7474	7731	8028
50°	7330	7657	7983
55°	7154	7557	7910
60°	6935	7438	7759
65°	6666	7228	7378
70°	6254	6868	6868
75°	5618	6239	6266
80°	4630	5274	5274
85°	3209	3851	3367

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8028 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.7	3.3
10°-20°	657.9	9.4
20°-30°	995.8	14.2
30°-40°	1202.1	17.2
40°-50°	1255.9	17.9
50°-60°	1150.5	16.4
60°-70°	887.0	12.7
70°-80°	500.4	7.2
80°-90°	118.5	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°	1883.4	26.9
0°-40°	3085.6	44.1
0°-60°	5492.0	78.5
0°-90°	6998.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6998.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2425	2425	2425	2425	2425	
5°	2409	2425	2413	2417	2425	229
15°	2313	2328	2324	2342	2348	653
25°	2131	2149	2151	2180	2189	982
35°	1873	1898	1913	1954	1969	1172
45°	1568	1595	1622	1670	1685	1209
55°	1218	1249	1286	1334	1346	1088
65°	836	863	907	938	925	826
75°	432	465	479	492	481	457
85°	83	93	100	106	87	105
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2425.3	2425.3	2425.3	2425.3	2425.3
2.5°	2417.0	2433.6	2417.0	2425.3	2421.1
5°	2408.7	2425.3	2412.8	2417.0	2425.3
7.5°	2394.2	2410.8	2398.3	2404.5	2414.9
10°	2373.4	2390.0	2377.6	2387.9	2392.1
12.5°	2348.5	2363.0	2354.7	2367.2	2373.4
15°	2313.2	2327.8	2323.6	2342.3	2348.5
17.5°	2275.9	2292.5	2288.4	2311.2	2317.4
20°	2234.4	2248.9	2248.9	2269.7	2282.1
22.5°	2184.6	2201.2	2203.3	2226.1	2238.6
25°	2130.7	2149.4	2151.4	2180.5	2188.8
27.5°	2072.6	2091.3	2099.6	2130.7	2139.0
30°	2010.3	2029.0	2039.4	2074.7	2085.0
32.5°	1944.0	1966.8	1977.2	2016.6	2026.9
35°	1873.4	1898.3	1912.8	1954.3	1968.9
37.5°	1800.8	1825.7	1844.4	1887.9	1904.5
40°	1724.0	1751.0	1775.9	1819.5	1834.0
42.5°	1649.4	1676.3	1699.1	1744.8	1759.3
45°	1568.4	1595.4	1622.4	1670.1	1684.6
47.5°	1483.4	1512.4	1543.5	1587.1	1605.8
50°	1398.3	1427.4	1460.6	1506.2	1522.8
52.5°	1309.1	1340.2	1373.4	1421.1	1433.6
55°	1217.8	1248.9	1286.3	1334.0	1346.5
57.5°	1124.5	1157.7	1197.1	1242.7	1255.2
60°	1029.0	1062.2	1103.7	1147.3	1151.4
62.5°	935.7	964.7	1006.2	1047.7	1041.5
65°	836.1	863.1	906.6	937.7	925.3
67.5°	736.5	765.6	805.0	827.8	811.2
70°	634.8	666.0	697.1	713.7	697.1
72.5°	533.2	566.4	589.2	599.6	585.1
75°	431.5	464.7	479.2	491.7	481.3
77.5°	334.0	365.1	371.4	385.9	371.4
80°	238.6	267.6	271.8	286.3	271.8
82.5°	153.5	172.2	180.5	192.9	178.4
85°	83.0	93.4	99.6	105.8	87.1
87.5°	29.0	33.2	29.0	24.9	10.4
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	19.01	20.66	19.38	20.98	21.29	19.56	21.20	19.92	21.52	21.83
	3H	20.80	22.29	21.18	22.62	22.98	21.36	22.86	21.74	23.18	23.54
	4H	21.44	22.85	21.84	23.19	23.57	22.01	23.41	22.41	23.76	24.14
	6H	21.86	23.17	22.27	23.53	23.92	22.45	23.75	22.86	24.12	24.51
	8H	21.97	23.22	22.39	23.61	24.00	22.57	23.82	22.99	24.20	24.60
	12H	22.03	23.22	22.45	23.60	24.03	22.63	23.82	23.06	24.20	24.63
4H	2H	19.74	21.14	20.14	21.49	21.87	20.16	21.57	20.56	21.92	22.29
	3H	21.74	22.93	22.15	23.32	23.72	22.20	23.38	22.61	23.78	24.18
	4H	22.51	23.58	22.94	23.99	24.43	22.98	24.05	23.41	24.46	24.90
	6H	23.06	23.99	23.51	24.43	24.89	23.55	24.48	24.00	24.92	25.38
	8H	23.20	24.08	23.66	24.52	24.98	23.71	24.59	24.17	25.03	25.49
	12H	23.29	24.07	23.77	24.55	25.02	23.80	24.59	24.28	25.06	25.53
8H	4H	22.86	23.73	23.31	24.17	24.64	23.27	24.14	23.73	24.58	25.05
	6H	23.51	24.24	24.01	24.73	25.20	23.95	24.68	24.44	25.16	25.64
	8H	23.72	24.37	24.23	24.88	25.36	24.18	24.83	24.69	25.34	25.82
	12H	23.86	24.43	24.36	24.92	25.48	24.33	24.91	24.84	25.40	25.96
12H	4H	22.89	23.68	23.37	24.15	24.62	23.29	24.08	23.77	24.55	25.02
	6H	23.57	24.22	24.08	24.73	25.21	23.99	24.64	24.50	25.15	25.63
	8H	23.83	24.40	24.33	24.89	25.45	24.27	24.85	24.78	25.34	25.90