

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: P1584796

Luminaire Tested: 14CZSP-A-75-L840-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584796
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-A-75-L840-S
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 7200 lumens, 80CRI, Smooth Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

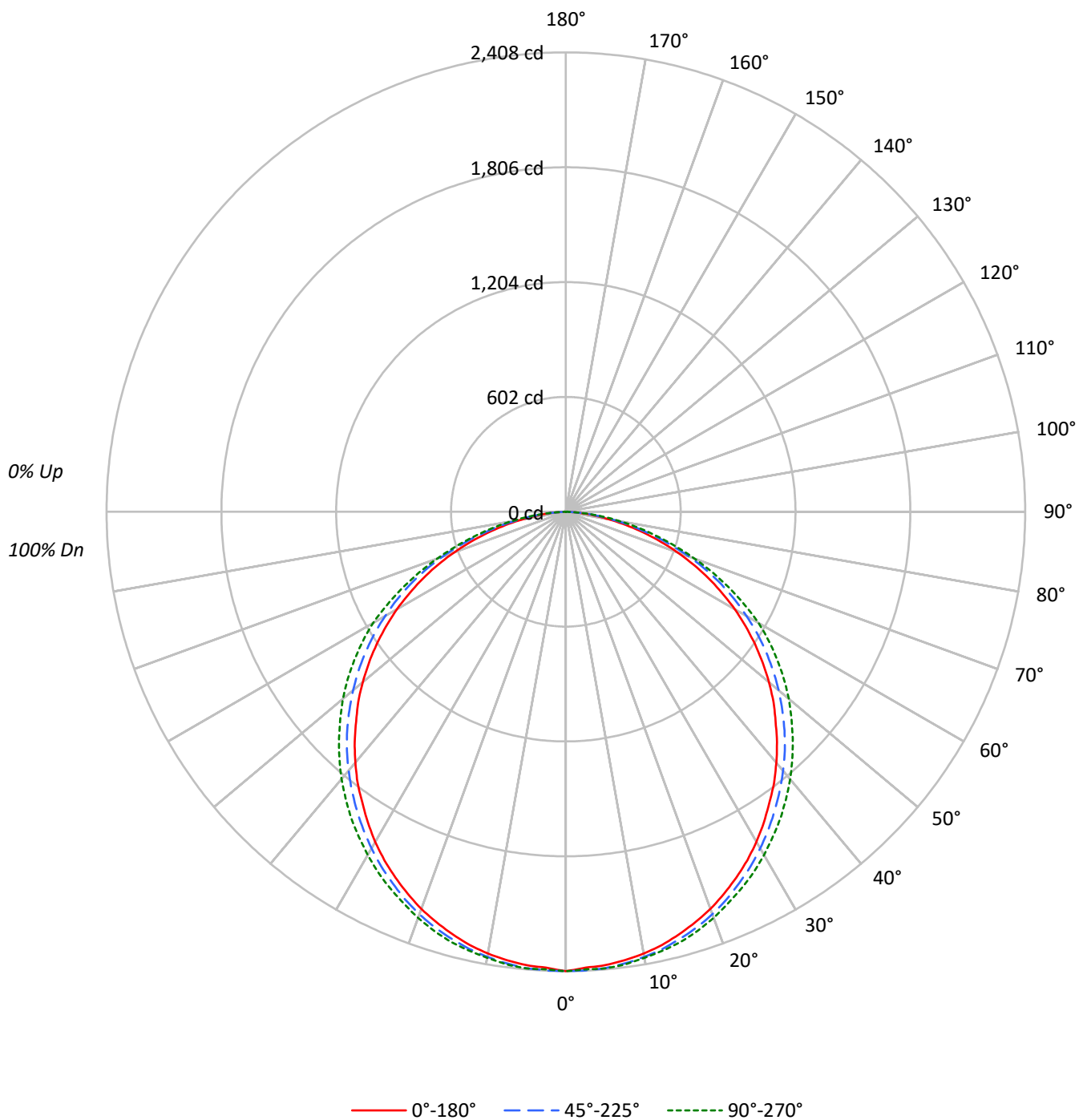
Lumens per Lamp: N/A
Luminaire Lumens: 6962.0 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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°	8115	8115	8115
5°	8069	8121	8128
10°	8047	8106	8124
15°	8000	8083	8140
20°	7944	8051	8124
25°	7864	7989	8100
30°	7775	7926	8082
35°	7651	7857	8068
40°	7550	7794	8046
45°	7408	7726	8013
50°	7284	7634	7999
55°	7110	7525	7947
60°	6892	7375	7866
65°	6585	7173	7541
70°	6138	6774	7077
75°	5484	6110	6457
80°	4494	5150	5647
85°	3012	3766	4199

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8013 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.1	3.3
10°-20°	653.8	9.4
20°-30°	990.1	14.2
30°-40°	1195.6	17.2
40°-50°	1249.5	17.9
50°-60°	1145.0	16.4
60°-70°	883.8	12.7
70°-80°	497.2	7.1
80°-90°	119.0	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°	1872.0	26.9
0°-40°	3067.6	44.1
0°-60°	5462.1	78.5
0°-90°	6962.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6962.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2408	2408	2408	2408	2408	
5°	2386	2403	2401	2403	2403	227
15°	2293	2312	2317	2326	2333	647
25°	2115	2134	2149	2160	2179	975
35°	1860	1884	1910	1936	1961	1165
45°	1554	1585	1621	1654	1682	1201
55°	1210	1242	1281	1321	1353	1081
65°	826	862	900	936	946	816
75°	421	460	469	489	496	446
85°	78	89	97	107	109	100
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2408.2	2408.2	2408.2	2408.2	2408.2
2.5°	2391.8	2410.2	2406.1	2412.3	2401.0
5°	2385.6	2403.0	2401.0	2403.0	2403.0
7.5°	2370.2	2388.7	2387.7	2390.7	2392.8
10°	2351.8	2369.2	2369.2	2372.3	2374.3
12.5°	2326.2	2344.6	2346.7	2351.8	2355.9
15°	2293.4	2311.8	2317.0	2326.2	2333.4
17.5°	2256.5	2276.0	2284.2	2293.4	2302.6
20°	2215.5	2232.9	2245.2	2252.4	2265.7
22.5°	2167.3	2186.8	2200.1	2207.3	2221.7
25°	2115.1	2133.5	2148.9	2160.2	2178.6
27.5°	2059.7	2078.2	2096.6	2110.0	2131.5
30°	1998.3	2017.7	2037.2	2057.7	2077.2
32.5°	1931.7	1954.2	1975.7	1998.3	2019.8
35°	1859.9	1883.5	1910.1	1935.8	1961.4
37.5°	1793.3	1814.8	1842.5	1870.2	1895.8
40°	1716.5	1740.0	1771.8	1802.5	1829.2
42.5°	1638.6	1664.2	1699.0	1728.8	1757.4
45°	1554.5	1585.3	1621.2	1653.9	1681.6
47.5°	1476.7	1503.3	1539.2	1575.0	1603.7
50°	1389.6	1419.3	1456.2	1494.1	1525.9
52.5°	1301.4	1332.2	1370.1	1408.0	1440.8
55°	1210.2	1242.0	1280.9	1320.9	1352.7
57.5°	1117.0	1150.8	1190.8	1230.7	1262.5
60°	1022.7	1056.5	1094.4	1138.5	1167.2
62.5°	924.3	962.2	998.1	1039.1	1056.5
65°	825.9	861.8	899.7	935.6	945.8
67.5°	725.5	762.4	796.2	819.8	833.1
70°	623.0	663.0	687.6	710.2	718.3
72.5°	521.6	561.6	575.9	597.4	605.6
75°	421.2	460.1	469.3	488.8	496.0
77.5°	323.8	359.7	362.8	385.3	391.5
80°	231.6	260.3	265.4	286.9	291.0
82.5°	148.6	169.1	176.3	194.7	200.9
85°	77.9	89.2	97.4	106.6	108.6
87.5°	25.6	31.8	26.6	27.7	25.6
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	18.99	20.64	19.35	20.95	21.26	19.53	21.18	19.89	21.49	21.80
	3H	20.76	22.26	21.14	22.58	22.94	21.38	22.88	21.76	23.20	23.56
	4H	21.39	22.80	21.79	23.14	23.52	22.05	23.46	22.45	23.81	24.18
	6H	21.80	23.10	22.21	23.47	23.86	22.53	23.83	22.94	24.20	24.59
	8H	21.90	23.15	22.32	23.54	23.93	22.67	23.92	23.10	24.31	24.71
	12H	21.95	23.14	22.38	23.53	23.95	22.76	23.95	23.19	24.33	24.76
4H	2H	19.71	21.12	20.11	21.47	21.84	20.13	21.54	20.53	21.89	22.26
	3H	21.71	22.89	22.11	23.28	23.68	22.20	23.39	22.61	23.78	24.18
	4H	22.46	23.53	22.89	23.94	24.38	23.00	24.07	23.43	24.48	24.92
	6H	22.99	23.92	23.44	24.36	24.82	23.60	24.54	24.06	24.98	25.43
	8H	23.13	24.00	23.59	24.45	24.91	23.79	24.67	24.25	25.11	25.57
	12H	23.21	23.99	23.69	24.47	24.94	23.92	24.70	24.40	25.18	25.64
8H	4H	22.80	23.67	23.26	24.12	24.58	23.28	24.15	23.74	24.59	25.06
	6H	23.44	24.17	23.93	24.65	25.13	23.99	24.72	24.48	25.20	25.68
	8H	23.64	24.29	24.15	24.80	25.28	24.25	24.90	24.76	25.40	25.89
	12H	23.77	24.34	24.28	24.83	25.39	24.43	25.00	24.93	25.49	26.05
12H	4H	22.84	23.62	23.32	24.10	24.57	23.30	24.09	23.78	24.56	25.03
	6H	23.50	24.15	24.00	24.65	25.14	24.03	24.68	24.53	25.18	25.67
	8H	23.75	24.32	24.25	24.81	25.37	24.33	24.91	24.84	25.40	25.96