

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: P1584500

Luminaire Tested: 14CZSP-75-L850-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584500
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-L850-S
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 7200 lumens, 80CRI, Smooth Lens
Light Source: -
Ballast/Driver: -

Summary

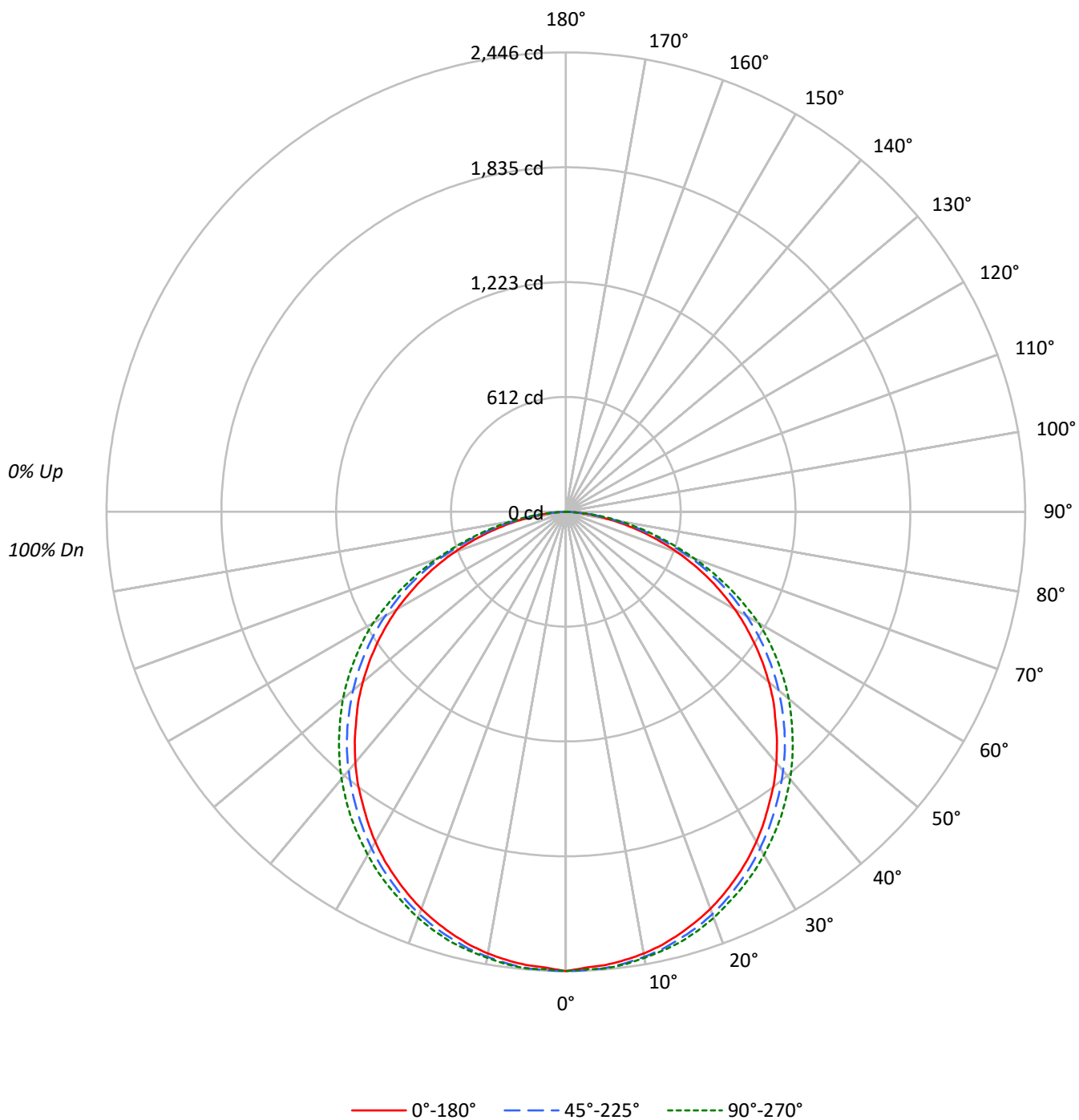
Lumens per Lamp: N/A
Luminaire Lumens: 7071.0 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	8242	8242	8242
5°	8196	8248	8256
10°	8173	8233	8251
15°	8126	8209	8267
20°	8069	8177	8252
25°	7987	8114	8227
30°	7896	8051	8209
35°	7770	7980	8194
40°	7668	7915	8172
45°	7524	7846	8139
50°	7398	7753	8124
55°	7221	7643	8071
60°	7000	7491	7989
65°	6689	7286	7660
70°	6234	6881	7188
75°	5570	6206	6558
80°	4564	5231	5736
85°	3058	3824	4264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8139 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.7	3.3
10°-20°	664.1	9.4
20°-30°	1005.6	14.2
30°-40°	1214.3	17.2
40°-50°	1269.1	17.9
50°-60°	1162.9	16.4
60°-70°	897.7	12.7
70°-80°	504.9	7.1
80°-90°	120.8	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°	1901.3	26.9
0°-40°	3115.6	44.1
0°-60°	5547.6	78.5
0°-90°	7071.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7071.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2446	2446	2446	2446	2446	
5°	2423	2441	2439	2441	2441	230
15°	2329	2348	2353	2363	2370	657
25°	2148	2167	2182	2194	2213	990
35°	1889	1913	1940	1966	1992	1184
45°	1579	1610	1646	1680	1708	1220
55°	1229	1261	1301	1342	1374	1098
65°	839	875	914	950	961	829
75°	428	467	477	496	504	453
85°	79	90	99	108	110	102
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2445.9	2445.9	2445.9	2445.9	2445.9
2.5°	2429.2	2447.9	2443.8	2450.0	2438.6
5°	2423.0	2440.7	2438.6	2440.7	2440.7
7.5°	2407.4	2426.1	2425.0	2428.2	2430.3
10°	2388.6	2406.3	2406.3	2409.4	2411.5
12.5°	2362.6	2381.3	2383.4	2388.6	2392.8
15°	2329.3	2348.0	2353.2	2362.6	2369.9
17.5°	2291.8	2311.6	2319.9	2329.3	2338.7
20°	2250.2	2267.9	2280.4	2287.7	2301.2
22.5°	2201.3	2221.1	2234.6	2241.9	2256.4
25°	2148.2	2166.9	2182.5	2194.0	2212.7
27.5°	2092.0	2110.7	2129.5	2143.0	2164.9
30°	2029.5	2049.3	2069.1	2089.9	2109.7
32.5°	1961.9	1984.8	2006.7	2029.5	2051.4
35°	1889.0	1913.0	1940.0	1966.1	1992.1
37.5°	1821.4	1843.2	1871.3	1899.4	1925.5
40°	1743.3	1767.3	1799.5	1830.8	1857.8
42.5°	1664.2	1690.2	1725.6	1755.8	1785.0
45°	1578.9	1610.1	1646.5	1679.8	1707.9
47.5°	1499.8	1526.8	1563.3	1599.7	1628.8
50°	1411.3	1441.5	1479.0	1517.5	1549.7
52.5°	1321.8	1353.0	1391.5	1430.1	1463.4
55°	1229.2	1261.4	1301.0	1341.6	1373.8
57.5°	1134.5	1168.8	1209.4	1250.0	1282.3
60°	1038.7	1073.1	1111.6	1156.3	1185.5
62.5°	938.8	977.3	1013.7	1055.4	1073.1
65°	838.9	875.3	913.8	950.2	960.7
67.5°	736.9	774.4	808.7	832.6	846.2
70°	632.8	673.4	698.4	721.3	729.6
72.5°	529.8	570.4	584.9	606.8	615.1
75°	427.8	467.3	476.7	496.5	503.7
77.5°	328.9	365.3	368.4	391.3	397.6
80°	235.2	264.4	269.6	291.4	295.6
82.5°	150.9	171.7	179.0	197.8	204.0
85°	79.1	90.5	98.9	108.2	110.3
87.5°	26.0	32.3	27.1	28.1	26.0
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	19.04	20.69	19.41	21.00	21.32	19.58	21.23	19.95	21.54	21.86
	3H	20.82	22.31	21.19	22.64	23.00	21.44	22.93	21.81	23.26	23.62
	4H	21.44	22.85	21.84	23.20	23.57	22.11	23.51	22.50	23.86	24.24
	6H	21.85	23.16	22.26	23.52	23.91	22.58	23.89	22.99	24.25	24.64
	8H	21.95	23.20	22.38	23.59	23.99	22.73	23.98	23.15	24.36	24.76
	12H	22.00	23.20	22.43	23.58	24.01	22.81	24.01	23.24	24.39	24.82
4H	2H	19.76	21.17	20.16	21.52	21.89	20.19	21.59	20.58	21.94	22.32
	3H	21.76	22.94	22.17	23.34	23.74	22.26	23.44	22.67	23.84	24.24
	4H	22.52	23.59	22.95	24.00	24.43	23.05	24.12	23.49	24.54	24.97
	6H	23.04	23.98	23.50	24.42	24.87	23.66	24.59	24.11	25.03	25.49
	8H	23.18	24.06	23.64	24.50	24.96	23.85	24.72	24.31	25.16	25.63
	12H	23.26	24.05	23.74	24.52	24.99	23.97	24.76	24.45	25.23	25.70
8H	4H	22.85	23.73	23.31	24.17	24.63	23.33	24.20	23.79	24.65	25.11
	6H	23.49	24.22	23.99	24.71	25.18	24.04	24.77	24.54	25.26	25.73
	8H	23.69	24.34	24.20	24.85	25.34	24.30	24.95	24.81	25.46	25.94
	12H	23.82	24.40	24.33	24.89	25.45	24.48	25.06	24.99	25.55	26.11
12H	4H	22.89	23.68	23.37	24.15	24.62	23.35	24.14	23.83	24.61	25.08
	6H	23.55	24.20	24.06	24.71	25.19	24.08	24.73	24.59	25.24	25.72
	8H	23.80	24.38	24.31	24.87	25.43	24.39	24.96	24.89	25.45	26.01