

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: P1585892

Luminaire Tested: 14CZSP-SB-75-L830-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585892
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-SB-75-L830-S
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 7200 lumens, 80CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

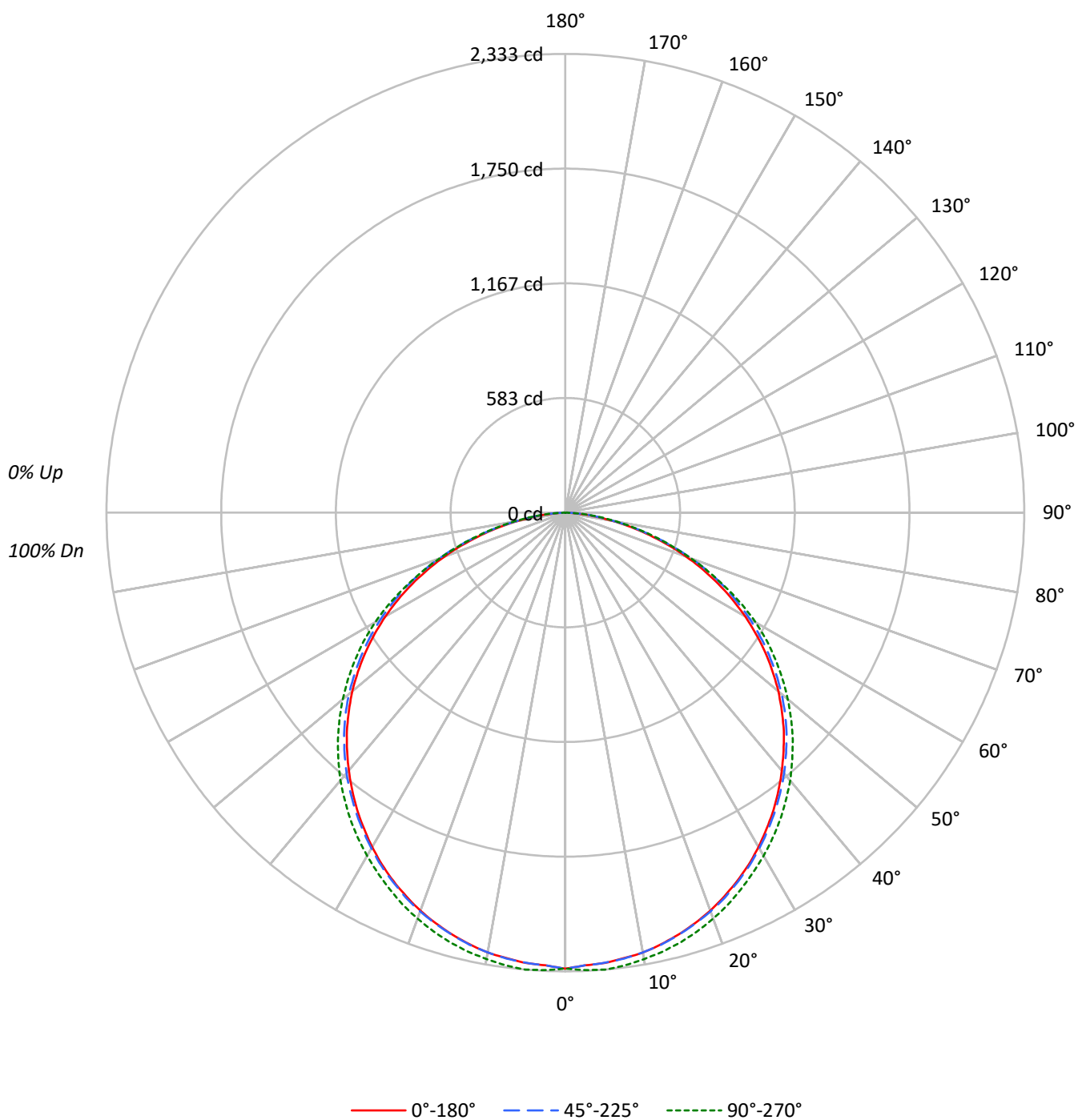
Lumens per Lamp: N/A
Luminaire Lumens: 6843.9 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	104	99	96	106	102	98	94	97	94	91		93	91	88		90
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55
6	70	56	47	40	68	55	46	40	53	46	40		52	45	40		50
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		46
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42
9	56	42	34	28	55	42	34	28	41	33	28		40	33	28		39
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7815	7815	7815
5°	7777	7774	7891
10°	7774	7770	7889
15°	7750	7758	7893
20°	7726	7741	7880
25°	7688	7707	7855
30°	7641	7674	7841
35°	7591	7639	7837
40°	7532	7611	7823
45°	7486	7581	7790
50°	7411	7526	7741
55°	7296	7431	7665
60°	7119	7303	7528
65°	6851	7110	7186
70°	6442	6742	6700
75°	5784	6030	6072
80°	4779	5024	5288
85°	3201	3727	3932

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7790 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.8	3.2
10°-20°	631.8	9.2
20°-30°	962.1	14.1
30°-40°	1170.9	17.1
40°-50°	1234.4	18.0
50°-60°	1136.9	16.6
60°-70°	878.1	12.8
70°-80°	491.4	7.2
80°-90°	118.4	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°	1813.7	26.5
0°-40°	2984.7	43.6
0°-60°	5356.0	78.3
0°-90°	6843.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6843.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2319	2319	2319	2319	2319	
5°	2299	2332	2298	2301	2333	219
15°	2222	2252	2224	2236	2263	627
25°	2068	2097	2073	2086	2113	953
35°	1846	1873	1857	1880	1905	1154
45°	1571	1593	1591	1615	1635	1210
55°	1242	1263	1265	1291	1305	1108
65°	859	884	892	900	901	849
75°	444	472	463	462	466	471
85°	83	91	96	108	102	106
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2319.2	2319.2	2319.2	2319.2	2319.2
2.5°	2304.5	2338.0	2304.5	2309.7	2328.6
5°	2299.3	2331.8	2298.2	2301.4	2332.8
7.5°	2285.6	2319.2	2287.7	2291.9	2322.3
10°	2272.0	2302.4	2271.0	2276.2	2305.6
12.5°	2249.0	2280.4	2251.1	2257.3	2286.7
15°	2221.7	2252.1	2223.8	2236.4	2262.6
17.5°	2190.3	2219.6	2192.4	2207.0	2232.2
20°	2154.6	2182.9	2158.8	2169.3	2197.6
22.5°	2112.7	2142.1	2119.0	2128.4	2158.8
25°	2067.7	2097.0	2072.9	2086.5	2112.7
27.5°	2018.4	2046.7	2025.7	2042.5	2065.6
30°	1963.9	1991.2	1972.3	1992.2	2015.3
32.5°	1905.2	1934.6	1915.7	1938.8	1961.8
35°	1845.5	1872.7	1857.0	1880.1	1905.2
37.5°	1780.5	1806.7	1795.2	1819.3	1842.3
40°	1712.4	1741.7	1730.2	1755.4	1778.4
42.5°	1642.2	1670.5	1661.0	1687.2	1707.2
45°	1570.9	1592.9	1590.8	1614.9	1634.8
47.5°	1492.3	1519.6	1515.4	1539.5	1557.3
50°	1413.7	1435.7	1435.7	1458.8	1476.6
52.5°	1328.8	1350.8	1350.8	1378.1	1392.8
55°	1241.9	1262.8	1264.9	1291.1	1304.7
57.5°	1149.6	1171.6	1175.8	1202.0	1214.6
60°	1056.4	1077.3	1083.6	1109.8	1117.1
62.5°	958.9	984.1	987.2	1008.2	1012.3
65°	859.3	884.5	891.8	900.2	901.3
67.5°	757.7	783.9	791.2	791.2	791.2
70°	653.9	678.0	684.3	680.1	680.1
72.5°	549.1	575.3	572.2	568.0	570.1
75°	444.3	471.6	463.2	462.2	466.4
77.5°	343.7	369.9	356.3	364.7	365.7
80°	246.3	266.2	258.9	271.4	272.5
82.5°	158.2	170.8	172.9	183.4	180.3
85°	82.8	91.2	96.4	107.9	101.7
87.5°	26.2	34.6	31.4	36.7	28.3
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	19.18	20.83	19.54	21.15	21.46	19.39	21.05	19.76	21.36	21.68
	3H	21.00	22.50	21.38	22.82	23.18	21.19	22.69	21.57	23.02	23.38
	4H	21.65	23.06	22.04	23.40	23.78	21.83	23.24	22.23	23.59	23.97
	6H	22.07	23.38	22.48	23.75	24.14	22.29	23.60	22.70	23.96	24.35
	8H	22.18	23.43	22.61	23.82	24.22	22.42	23.67	22.84	24.06	24.46
	12H	22.24	23.44	22.67	23.82	24.25	22.49	23.69	22.92	24.07	24.50
4H	2H	19.86	21.27	20.25	21.62	21.99	20.03	21.44	20.42	21.79	22.16
	3H	21.90	23.08	22.31	23.48	23.88	22.04	23.23	22.45	23.62	24.02
	4H	22.68	23.75	23.11	24.16	24.60	22.80	23.87	23.23	24.28	24.72
	6H	23.23	24.17	23.68	24.61	25.06	23.37	24.31	23.83	24.75	25.21
	8H	23.37	24.25	23.83	24.69	25.16	23.55	24.42	24.01	24.87	25.33
	12H	23.46	24.25	23.94	24.72	25.19	23.66	24.45	24.14	24.93	25.39
8H	4H	22.99	23.86	23.44	24.30	24.77	23.09	23.97	23.55	24.41	24.88
	6H	23.64	24.37	24.14	24.86	25.34	23.77	24.50	24.27	24.99	25.47
	8H	23.85	24.50	24.36	25.01	25.49	24.01	24.67	24.52	25.17	25.66
	12H	23.98	24.56	24.49	25.05	25.61	24.19	24.77	24.70	25.26	25.82
12H	4H	23.02	23.80	23.50	24.28	24.75	23.12	23.91	23.60	24.38	24.85
	6H	23.69	24.35	24.20	24.85	25.34	23.82	24.47	24.32	24.98	25.46
	8H	23.95	24.52	24.45	25.01	25.57	24.11	24.68	24.61	25.17	25.73