

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: P1585896

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

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585896
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-L840-S
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 7200 lumens, 80CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

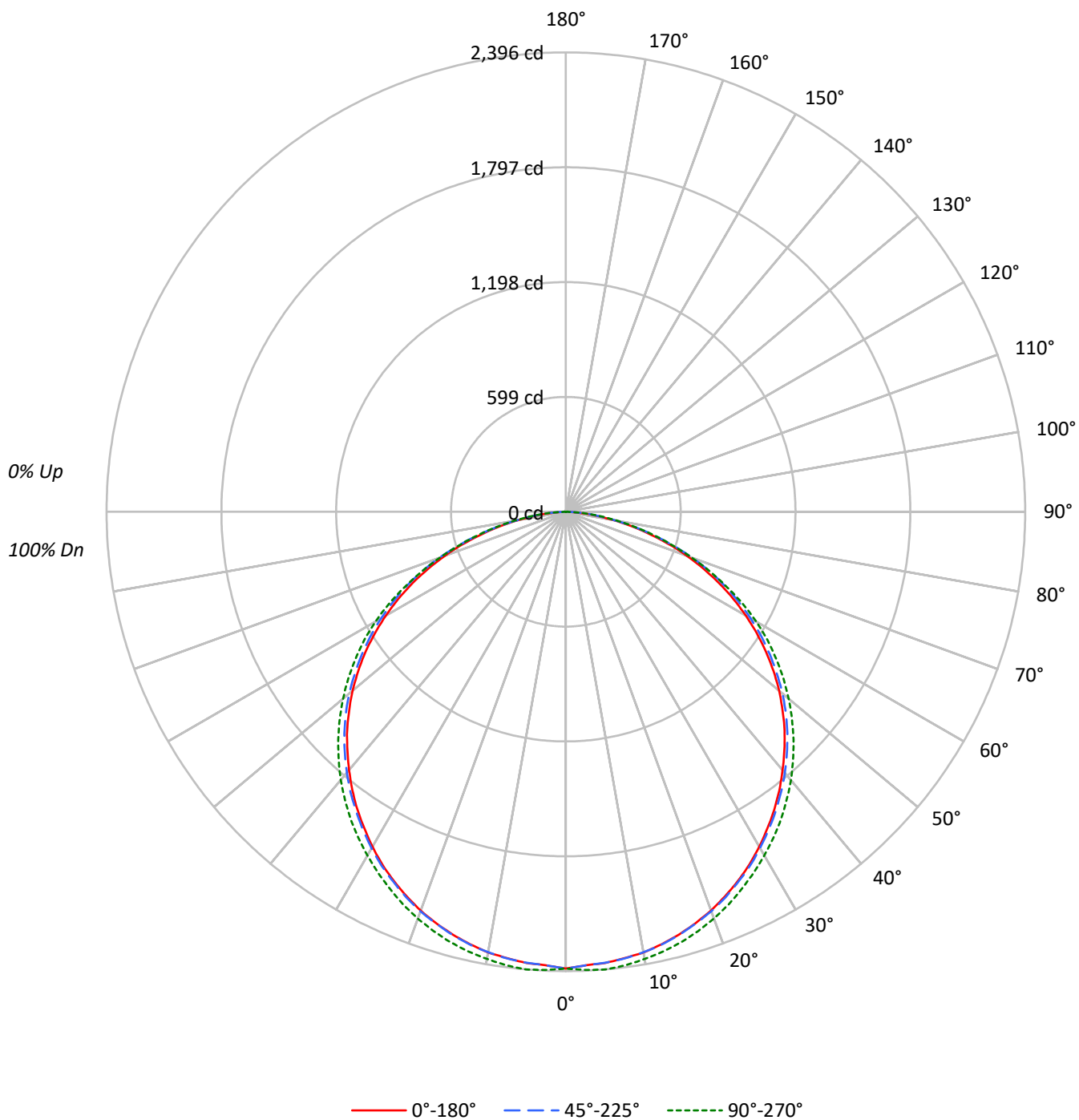
Lumens per Lamp: N/A
Luminaire Lumens: 7031.0 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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°	8028	8028	8028
5°	7990	7986	8106
10°	7986	7982	8104
15°	7962	7970	8109
20°	7937	7953	8096
25°	7898	7917	8070
30°	7850	7884	8055
35°	7799	7848	8051
40°	7738	7819	8036
45°	7690	7788	8003
50°	7614	7732	7952
55°	7495	7634	7874
60°	7313	7502	7735
65°	7039	7305	7382
70°	6619	6926	6884
75°	5943	6196	6237
80°	4909	5160	5431
85°	3290	3827	4036

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8003 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.8	3.2
10°-20°	649.1	9.2
20°-30°	988.4	14.1
30°-40°	1202.9	17.1
40°-50°	1268.2	18.0
50°-60°	1168.0	16.6
60°-70°	902.1	12.8
70°-80°	504.8	7.2
80°-90°	121.7	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°	1863.3	26.5
0°-40°	3066.2	43.6
0°-60°	5502.4	78.3
0°-90°	7031.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7031.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2382	2382	2382	2382	2382	
5°	2362	2396	2361	2364	2396	225
15°	2282	2314	2285	2298	2324	644
25°	2124	2154	2130	2144	2170	979
35°	1896	1924	1908	1931	1957	1186
45°	1614	1636	1634	1659	1680	1244
55°	1276	1297	1300	1326	1340	1139
65°	883	909	916	925	926	872
75°	456	484	476	475	479	484
85°	85	94	99	111	104	109
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2382.5	2382.5	2382.5	2382.5	2382.5
2.5°	2367.5	2401.9	2367.5	2372.9	2392.2
5°	2362.1	2395.5	2361.0	2364.2	2396.5
7.5°	2348.1	2382.5	2350.2	2354.6	2385.8
10°	2334.1	2365.3	2333.0	2338.4	2368.6
12.5°	2310.4	2342.7	2312.6	2319.0	2349.2
15°	2282.4	2313.6	2284.6	2297.5	2324.4
17.5°	2250.1	2280.3	2252.3	2267.3	2293.2
20°	2213.5	2242.6	2217.8	2228.6	2257.7
22.5°	2170.5	2200.6	2176.9	2186.6	2217.8
25°	2124.2	2154.3	2129.5	2143.5	2170.5
27.5°	2073.6	2102.6	2081.1	2098.3	2122.0
30°	2017.6	2045.6	2026.2	2046.6	2070.3
32.5°	1957.3	1987.4	1968.1	1991.7	2015.4
35°	1895.9	1923.9	1907.8	1931.4	1957.3
37.5°	1829.2	1856.1	1844.2	1869.0	1892.7
40°	1759.2	1789.3	1777.5	1803.3	1827.0
42.5°	1687.1	1716.1	1706.4	1733.3	1753.8
45°	1613.8	1636.5	1634.3	1659.1	1679.5
47.5°	1533.1	1561.1	1556.8	1581.5	1599.8
50°	1452.4	1475.0	1475.0	1498.6	1516.9
52.5°	1365.1	1387.8	1387.8	1415.7	1430.8
55°	1275.8	1297.3	1299.5	1326.4	1340.4
57.5°	1181.0	1203.7	1208.0	1234.9	1247.8
60°	1085.2	1106.8	1113.2	1140.1	1147.7
62.5°	985.1	1010.9	1014.2	1035.7	1040.0
65°	882.8	908.7	916.2	924.8	925.9
67.5°	778.4	805.3	812.8	812.8	812.8
70°	671.8	696.6	703.0	698.7	698.7
72.5°	564.1	591.1	587.8	583.5	585.7
75°	456.5	484.5	475.9	474.8	479.1
77.5°	353.1	380.0	366.0	374.7	375.7
80°	253.0	273.5	265.9	278.8	279.9
82.5°	162.6	175.5	177.6	188.4	185.2
85°	85.1	93.7	99.0	110.9	104.4
87.5°	26.9	35.5	32.3	37.7	29.1
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	19.27	20.93	19.64	21.24	21.56	19.49	21.14	19.85	21.46	21.77
	3H	21.09	22.59	21.47	22.92	23.28	21.29	22.79	21.66	23.11	23.47
	4H	21.74	23.15	22.14	23.50	23.87	21.93	23.34	22.32	23.69	24.06
	6H	22.17	23.48	22.58	23.84	24.23	22.38	23.69	22.79	24.05	24.44
	8H	22.28	23.53	22.70	23.92	24.31	22.51	23.76	22.93	24.15	24.55
	12H	22.33	23.53	22.76	23.91	24.34	22.59	23.79	23.02	24.17	24.60
4H	2H	19.95	21.36	20.35	21.71	22.09	20.12	21.53	20.52	21.88	22.26
	3H	21.99	23.18	22.40	23.57	23.97	22.13	23.32	22.54	23.72	24.12
	4H	22.77	23.84	23.20	24.26	24.69	22.89	23.96	23.32	24.38	24.81
	6H	23.32	24.26	23.77	24.70	25.15	23.47	24.40	23.92	24.84	25.30
	8H	23.47	24.34	23.93	24.79	25.25	23.64	24.52	24.10	24.96	25.42
	12H	23.55	24.34	24.03	24.81	25.28	23.76	24.54	24.23	25.02	25.49
8H	4H	23.08	23.96	23.54	24.40	24.86	23.19	24.06	23.65	24.51	24.97
	6H	23.74	24.47	24.23	24.95	25.43	23.87	24.60	24.36	25.08	25.56
	8H	23.94	24.60	24.45	25.10	25.59	24.11	24.76	24.62	25.27	25.75
	12H	24.08	24.66	24.58	25.15	25.71	24.28	24.86	24.79	25.35	25.91
12H	4H	23.11	23.90	23.59	24.37	24.84	23.22	24.00	23.69	24.48	24.95
	6H	23.78	24.44	24.29	24.94	25.43	23.91	24.57	24.42	25.07	25.56
	8H	24.04	24.62	24.55	25.11	25.67	24.20	24.78	24.71	25.27	25.83