

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: P1585839

Luminaire Tested: 14CZSP-SB-65-L845

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585839
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-SB-65-L845
Description: 1x4 CZSP LED Luminaire, 4500K CCT and 6200 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

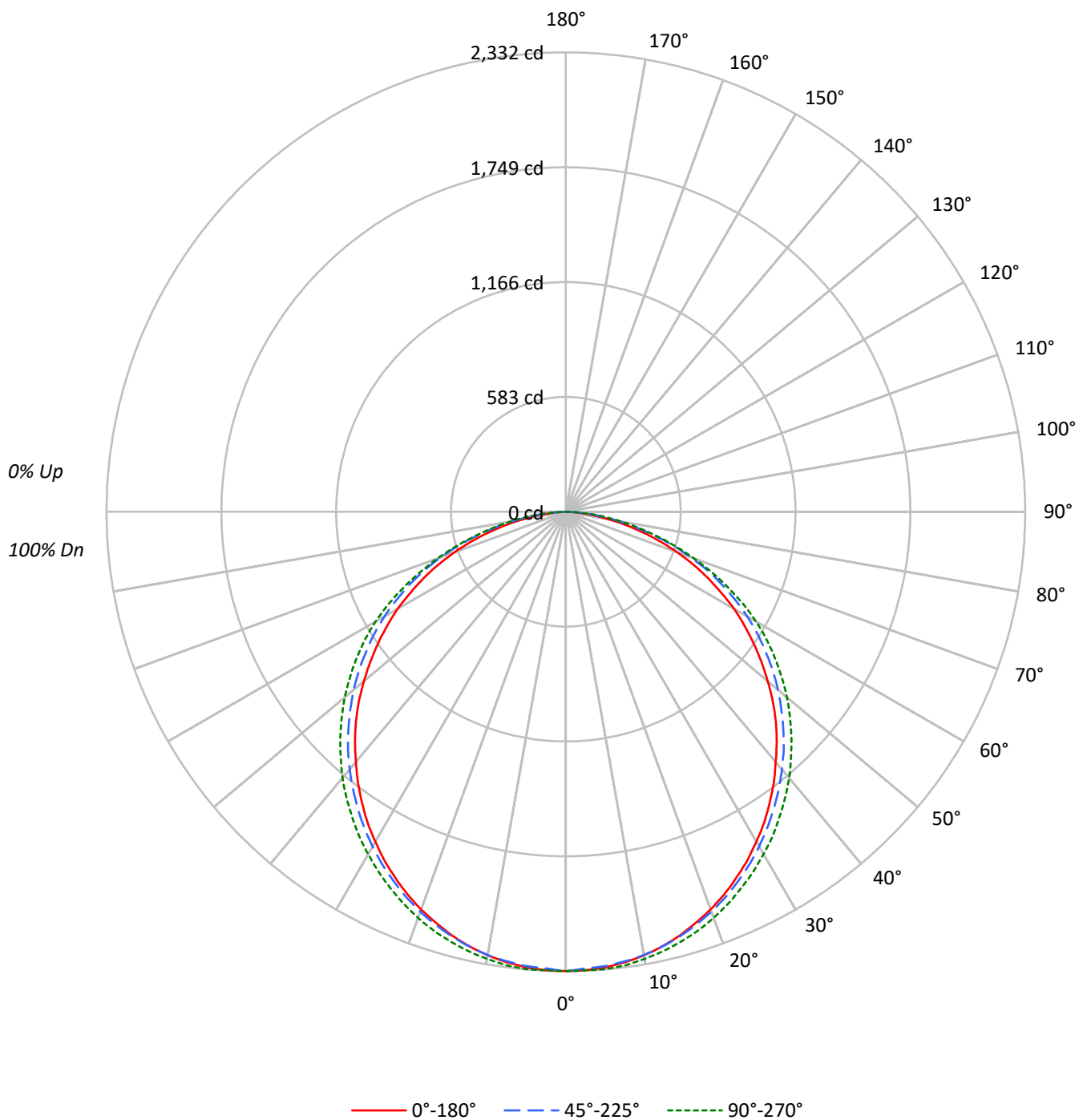
Lumens per Lamp: N/A
Luminaire Lumens: 6737.0 lumens
Efficiency: N/A
Efficacy: 138.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 48.8
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	79	75		82	77	73		79	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46		57	51	45		55	50	45	43
6	70	56	47	41	68	55	47	40	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	58	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°	7858	7858	7858
5°	7852	7832	7884
10°	7823	7816	7886
15°	7773	7790	7881
20°	7704	7750	7868
25°	7620	7692	7837
30°	7525	7635	7809
35°	7421	7573	7780
40°	7291	7509	7761
45°	7187	7441	7718
50°	7015	7371	7682
55°	6836	7275	7622
60°	6651	7168	7521
65°	6352	6979	7235
70°	5928	6664	6826
75°	5281	6040	6217
80°	4312	5235	5499
85°	2853	4164	4465

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7718 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.9	3.3
10°-20°	632.7	9.4
20°-30°	957.9	14.2
30°-40°	1156.2	17.2
40°-50°	1207.4	17.9
50°-60°	1104.6	16.4
60°-70°	853.9	12.7
70°-80°	483.4	7.2
80°-90°	120.1	1.8
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°	1811.4	26.9
0°-40°	2967.6	44.0
0°-60°	5279.6	78.4
0°-90°	6737.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6737.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2332	2332	2332	2332	2332	
5°	2321	2338	2316	2317	2331	220
15°	2228	2248	2233	2244	2259	628
25°	2050	2076	2069	2088	2108	945
35°	1804	1829	1841	1872	1891	1128
45°	1508	1537	1561	1601	1620	1161
55°	1164	1198	1238	1277	1298	1040
65°	797	830	875	902	907	786
75°	406	441	464	476	478	430
85°	74	85	108	113	116	95
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2332.0	2332.0	2332.0	2332.0	2332.0
2.5°	2329.0	2345.5	2320.3	2325.2	2330.0
5°	2321.3	2337.8	2315.5	2317.4	2331.0
7.5°	2306.7	2325.2	2301.9	2305.8	2322.3
10°	2286.4	2304.8	2284.4	2288.3	2304.8
12.5°	2260.1	2278.6	2261.1	2266.9	2285.4
15°	2228.1	2247.5	2233.0	2243.7	2259.2
17.5°	2189.3	2213.6	2198.0	2214.5	2230.1
20°	2148.5	2172.8	2161.2	2175.7	2194.2
22.5°	2102.0	2126.2	2117.5	2133.0	2153.4
25°	2049.6	2075.8	2069.0	2088.4	2107.8
27.5°	1995.2	2020.5	2018.5	2039.9	2060.2
30°	1934.1	1961.3	1962.2	1987.5	2006.9
32.5°	1872.9	1897.2	1903.0	1931.2	1953.5
35°	1804.0	1829.3	1840.9	1872.0	1891.4
37.5°	1734.2	1762.3	1774.9	1808.9	1829.3
40°	1657.5	1689.5	1707.0	1742.9	1764.3
42.5°	1584.7	1613.8	1637.1	1673.0	1692.4
45°	1508.1	1537.2	1561.4	1601.2	1619.7
47.5°	1425.6	1457.6	1483.8	1522.6	1543.0
50°	1338.2	1373.2	1406.2	1444.0	1465.4
52.5°	1251.9	1285.8	1323.7	1360.6	1381.9
55°	1163.6	1198.5	1238.3	1277.1	1297.5
57.5°	1074.3	1109.2	1152.9	1187.8	1209.2
60°	986.9	1019.0	1063.6	1098.5	1116.0
62.5°	888.0	924.8	970.4	1005.4	1015.1
65°	796.7	829.7	875.3	901.5	907.4
67.5°	699.7	732.7	778.3	792.8	801.6
70°	601.7	636.6	676.4	686.1	692.9
72.5°	502.7	538.6	569.6	579.4	585.2
75°	405.6	440.6	463.9	475.5	477.5
77.5°	311.5	343.5	364.9	378.5	378.5
80°	222.2	246.5	269.8	284.3	283.4
82.5°	141.7	160.1	184.4	195.1	201.9
85°	73.8	85.4	107.7	112.6	115.5
87.5°	23.3	30.1	38.8	32.0	31.1
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	18.84	20.49	19.21	20.81	21.12	19.38	21.03	19.75	21.35	21.66
	3H	20.62	22.11	20.99	22.44	22.80	21.24	22.74	21.62	23.06	23.42
	4H	21.24	22.65	21.64	22.99	23.37	21.92	23.32	22.31	23.67	24.05
	6H	21.64	22.95	22.05	23.31	23.70	22.40	23.71	22.81	24.07	24.46
	8H	21.74	22.99	22.17	23.38	23.78	22.56	23.80	22.98	24.19	24.59
	12H	21.79	22.99	22.22	23.37	23.80	22.66	23.85	23.08	24.23	24.66
4H	2H	19.58	20.99	19.98	21.34	21.71	20.00	21.41	20.40	21.76	22.13
	3H	21.57	22.76	21.98	23.15	23.55	22.08	23.26	22.49	23.66	24.06
	4H	22.32	23.39	22.75	23.81	24.24	22.88	23.95	23.31	24.36	24.80
	6H	22.84	23.78	23.29	24.22	24.67	23.50	24.43	23.95	24.87	25.33
	8H	22.98	23.85	23.44	24.29	24.76	23.70	24.58	24.16	25.02	25.48
	12H	23.05	23.84	23.53	24.32	24.78	23.84	24.63	24.32	25.10	25.57
8H	4H	22.68	23.55	23.14	23.99	24.46	23.17	24.05	23.63	24.49	24.95
	6H	23.31	24.04	23.80	24.53	25.00	23.90	24.63	24.40	25.12	25.59
	8H	23.50	24.16	24.01	24.66	25.15	24.18	24.83	24.69	25.34	25.82
	12H	23.63	24.21	24.14	24.70	25.26	24.38	24.96	24.89	25.45	26.01
12H	4H	22.72	23.51	23.20	23.98	24.45	23.20	23.98	23.68	24.46	24.93
	6H	23.37	24.03	23.88	24.53	25.02	23.95	24.60	24.45	25.11	25.59
	8H	23.62	24.20	24.13	24.69	25.25	24.27	24.85	24.78	25.34	25.90