

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: P1585837

Luminaire Tested: 14CZSP-SB-65-L840

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585837
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-L840
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 6200 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

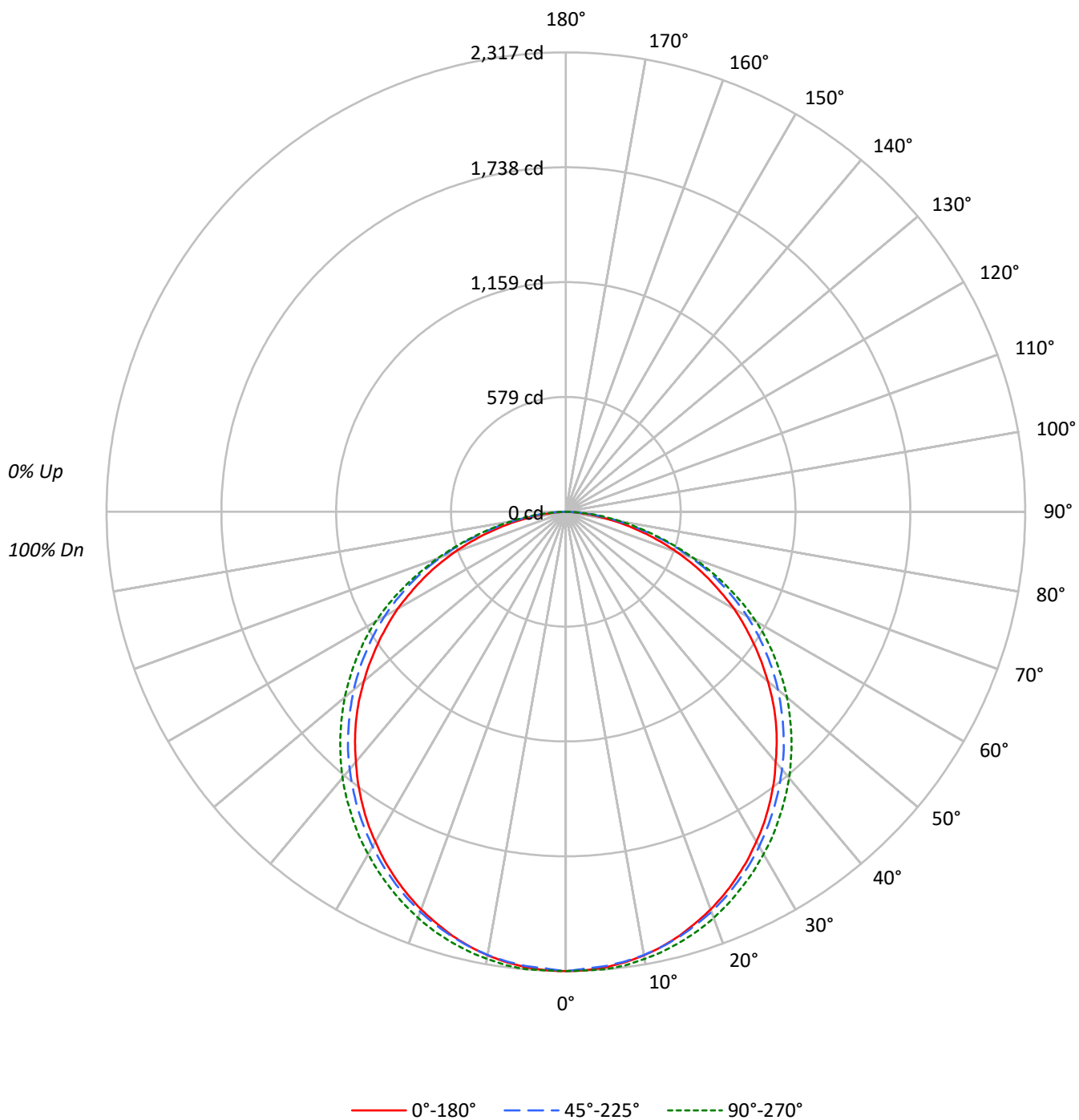
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6694.0 lumens
Efficiency: N/A
Efficacy: 137.2 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	50	30	10
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°	7808	7808	7808
5°	7802	7782	7834
10°	7773	7766	7836
15°	7723	7740	7831
20°	7655	7700	7818
25°	7572	7643	7786
30°	7477	7586	7759
35°	7373	7524	7730
40°	7244	7461	7711
45°	7140	7393	7669
50°	6970	7324	7633
55°	6792	7228	7574
60°	6608	7122	7473
65°	6312	6934	7189
70°	5890	6622	6783
75°	5248	6000	6176
80°	4285	5202	5464
85°	2834	4137	4434

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7669 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.5	3.3
10°-20°	628.6	9.4
20°-30°	951.7	14.2
30°-40°	1148.8	17.2
40°-50°	1199.7	17.9
50°-60°	1097.5	16.4
60°-70°	848.5	12.7
70°-80°	480.4	7.2
80°-90°	119.3	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°	1799.8	26.9
0°-40°	2948.6	44.0
0°-60°	5245.9	78.4
0°-90°	6694.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6694.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2317	2317	2317	2317	2317	
5°	2306	2323	2301	2303	2316	219
15°	2214	2233	2219	2229	2245	624
25°	2036	2062	2056	2075	2094	939
35°	1792	1818	1829	1860	1879	1121
45°	1498	1527	1552	1591	1609	1154
55°	1156	1191	1230	1269	1289	1034
65°	792	824	870	896	902	781
75°	403	438	461	472	474	427
85°	73	85	107	112	115	95
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2317.1	2317.1	2317.1	2317.1	2317.1
2.5°	2314.2	2330.6	2305.5	2310.3	2315.1
5°	2306.5	2322.9	2300.7	2302.6	2316.1
7.5°	2292.0	2310.3	2287.2	2291.0	2307.4
10°	2271.8	2290.1	2269.8	2273.7	2290.1
12.5°	2245.7	2264.0	2246.7	2252.5	2270.8
15°	2213.9	2233.2	2218.7	2229.3	2244.8
17.5°	2175.3	2199.4	2184.0	2200.4	2215.8
20°	2134.8	2158.9	2147.4	2161.8	2180.2
22.5°	2088.6	2112.7	2104.0	2119.4	2139.7
25°	2036.5	2062.5	2055.8	2075.1	2094.3
27.5°	1982.5	2007.6	2005.6	2026.8	2047.1
30°	1921.7	1948.7	1949.7	1974.8	1994.1
32.5°	1861.0	1885.1	1890.9	1918.8	1941.0
35°	1792.5	1817.6	1829.2	1860.0	1879.3
37.5°	1723.1	1751.1	1763.6	1797.3	1817.6
40°	1646.9	1678.7	1696.1	1731.8	1753.0
42.5°	1574.6	1603.5	1626.7	1662.4	1681.6
45°	1498.4	1527.4	1551.5	1591.0	1609.3
47.5°	1416.5	1448.3	1474.3	1512.9	1533.1
50°	1329.7	1364.4	1397.2	1434.8	1456.0
52.5°	1243.9	1277.6	1315.2	1351.9	1373.1
55°	1156.1	1190.8	1230.4	1268.9	1289.2
57.5°	1067.4	1102.1	1145.5	1180.2	1201.4
60°	980.6	1012.5	1056.8	1091.5	1108.9
62.5°	882.3	918.9	964.2	999.0	1008.6
65°	791.6	824.4	869.7	895.8	901.6
67.5°	695.2	728.0	773.3	787.8	796.5
70°	597.8	632.5	672.1	681.7	688.5
72.5°	499.5	535.2	566.0	575.7	581.4
75°	403.1	437.8	460.9	472.5	474.4
77.5°	309.5	341.3	362.6	376.1	376.1
80°	220.8	244.9	268.1	282.5	281.6
82.5°	140.8	159.1	183.2	193.8	200.6
85°	73.3	84.9	107.0	111.9	114.7
87.5°	23.1	29.9	38.6	31.8	30.9
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	18.82	20.47	19.18	20.78	21.10	19.36	21.01	19.73	21.33	21.64
	3H	20.59	22.09	20.97	22.41	22.77	21.22	22.72	21.60	23.04	23.40
	4H	21.22	22.62	21.61	22.97	23.35	21.89	23.30	22.29	23.65	24.02
	6H	21.62	22.93	22.03	23.29	23.68	22.38	23.68	22.79	24.05	24.44
	8H	21.72	22.97	22.15	23.36	23.76	22.54	23.78	22.96	24.17	24.57
	12H	21.77	22.97	22.20	23.35	23.78	22.63	23.83	23.06	24.21	24.64
4H	2H	19.56	20.97	19.96	21.31	21.69	19.98	21.39	20.38	21.74	22.11
	3H	21.55	22.73	21.96	23.13	23.53	22.06	23.24	22.47	23.64	24.04
	4H	22.30	23.37	22.73	23.78	24.22	22.86	23.93	23.29	24.34	24.78
	6H	22.82	23.75	23.27	24.19	24.65	23.48	24.41	23.93	24.85	25.30
	8H	22.96	23.83	23.41	24.27	24.74	23.68	24.55	24.14	25.00	25.46
	12H	23.03	23.82	23.51	24.29	24.76	23.82	24.60	24.30	25.08	25.55
8H	4H	22.66	23.53	23.11	23.97	24.44	23.15	24.02	23.61	24.47	24.93
	6H	23.29	24.02	23.78	24.50	24.98	23.88	24.61	24.38	25.10	25.57
	8H	23.48	24.13	23.99	24.64	25.13	24.16	24.81	24.66	25.31	25.80
	12H	23.61	24.18	24.11	24.67	25.23	24.36	24.94	24.87	25.43	25.99
12H	4H	22.70	23.48	23.18	23.96	24.43	23.17	23.96	23.65	24.44	24.90
	6H	23.35	24.01	23.86	24.51	25.00	23.92	24.58	24.43	25.08	25.57
	8H	23.60	24.18	24.11	24.67	25.23	24.25	24.83	24.76	25.32	25.88