

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: P1585847

Luminaire Tested: 14CZSP-SB-65-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585847
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-L940
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 6200 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

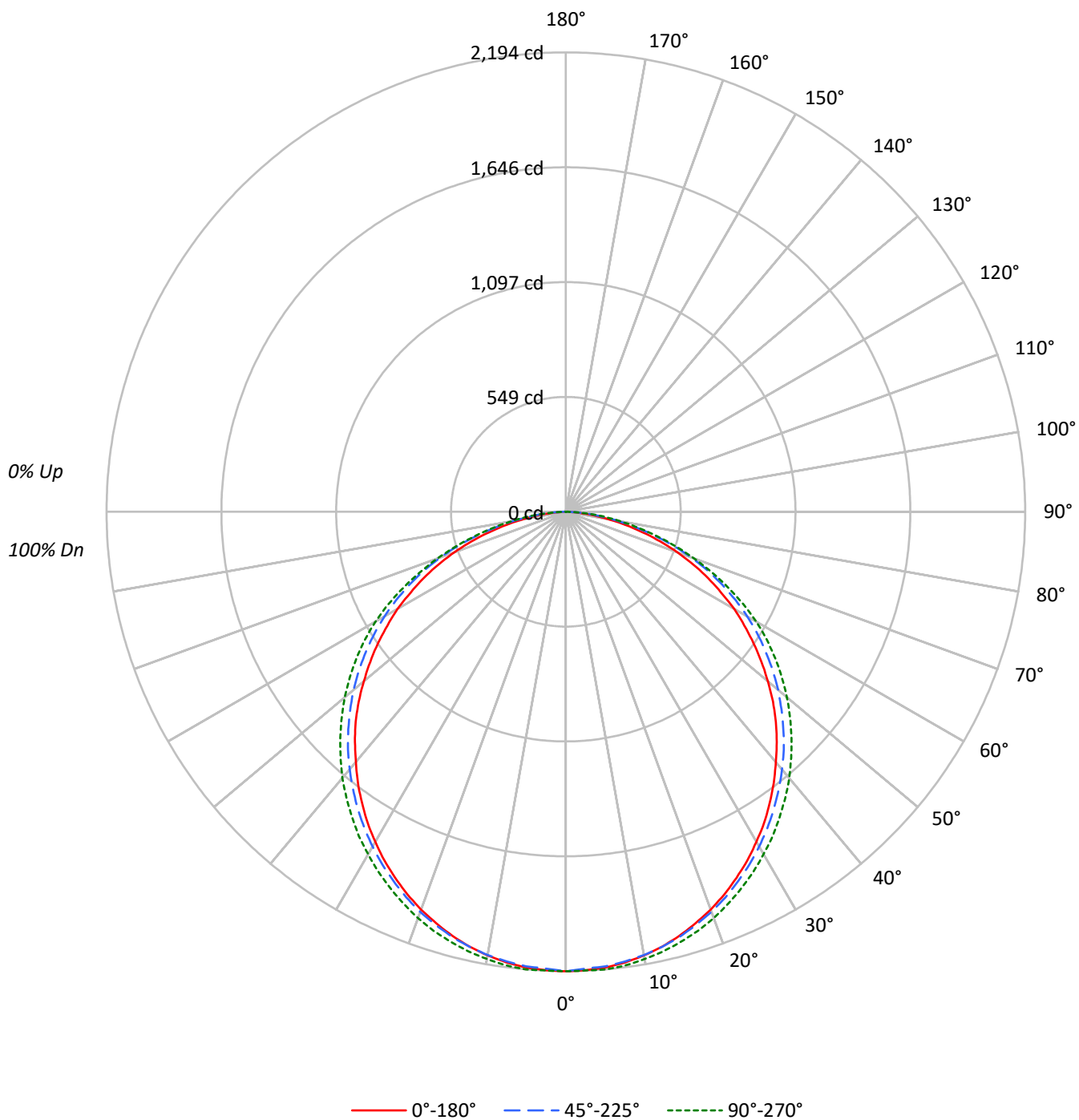
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6340.0 lumens
Efficiency: N/A
Efficacy: 129.9 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
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	100	96	106	102	98	94	97	94	91		93	91	88		90
2	99	90	83	78	96	88	82	77	85	79	75		82	77	73		79
3	90	79	71	64	87	78	70	64	75	68	63		72	66	61		69
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62
5	75	62	53	47	73	61	53	46	59	52	46		57	51	45		55
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		50
7	65	51	42	36	63	50	42	36	49	41	35		47	40	35		46
8	60	46	38	32	58	46	38	32	44	37	32		43	36	31		42
9	56	43	34	29	55	42	34	29	41	34	28		40	33	28		39
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7395	7395	7395
5°	7389	7370	7420
10°	7362	7356	7421
15°	7315	7331	7416
20°	7250	7293	7404
25°	7171	7239	7375
30°	7082	7185	7348
35°	6983	7126	7322
40°	6861	7066	7303
45°	6763	7002	7263
50°	6602	6937	7229
55°	6433	6846	7173
60°	6259	6745	7077
65°	5978	6568	6808
70°	5578	6271	6424
75°	4969	5683	5849
80°	4058	4927	5175
85°	2683	3920	4203

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7263 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.8	3.3
10°-20°	595.4	9.4
20°-30°	901.4	14.2
30°-40°	1088.1	17.2
40°-50°	1136.3	17.9
50°-60°	1039.5	16.4
60°-70°	803.6	12.7
70°-80°	455.0	7.2
80°-90°	113.0	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°	1704.6	26.9
0°-40°	2792.7	44.0
0°-60°	4968.5	78.4
0°-90°	6340.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6340.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2194	2194	2194	2194	2194	
5°	2184	2200	2179	2181	2194	207
15°	2097	2115	2101	2111	2126	591
25°	1929	1953	1947	1965	1984	889
35°	1698	1722	1732	1762	1780	1062
45°	1419	1447	1469	1507	1524	1093
55°	1095	1128	1165	1202	1221	979
65°	750	781	824	848	854	740
75°	382	415	436	448	449	405
85°	69	80	101	106	109	89
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2194.5	2194.5	2194.5	2194.5	2194.5
2.5°	2191.8	2207.3	2183.6	2188.1	2192.7
5°	2184.5	2200.0	2179.0	2180.8	2193.6
7.5°	2170.8	2188.1	2166.2	2169.9	2185.4
10°	2151.6	2169.0	2149.8	2153.4	2169.0
12.5°	2127.0	2144.3	2127.9	2133.4	2150.7
15°	2096.8	2115.1	2101.4	2111.4	2126.0
17.5°	2060.3	2083.1	2068.5	2084.0	2098.7
20°	2021.9	2044.8	2033.8	2047.5	2064.9
22.5°	1978.1	2000.9	1992.7	2007.3	2026.5
25°	1928.8	1953.4	1947.1	1965.3	1983.6
27.5°	1877.6	1901.4	1899.6	1919.7	1938.8
30°	1820.1	1845.7	1846.6	1870.3	1888.6
32.5°	1762.6	1785.4	1790.9	1817.4	1838.4
35°	1697.7	1721.5	1732.4	1761.7	1779.9
37.5°	1632.0	1658.5	1670.3	1702.3	1721.5
40°	1559.8	1590.0	1606.4	1640.2	1660.3
42.5°	1491.3	1518.7	1540.7	1574.4	1592.7
45°	1419.2	1446.6	1469.4	1506.9	1524.2
47.5°	1341.6	1371.7	1396.4	1432.9	1452.1
50°	1259.4	1292.3	1323.3	1358.9	1379.0
52.5°	1178.1	1210.1	1245.7	1280.4	1300.5
55°	1095.0	1127.9	1165.3	1201.8	1221.0
57.5°	1011.0	1043.8	1084.9	1117.8	1137.9
60°	928.8	958.9	1000.9	1033.8	1050.2
62.5°	835.6	870.3	913.3	946.1	955.3
65°	749.8	780.8	823.8	848.4	853.9
67.5°	658.5	689.5	732.4	746.1	754.3
70°	566.2	599.1	636.5	645.7	652.1
72.5°	473.1	506.9	536.1	545.2	550.7
75°	381.7	414.6	436.5	447.5	449.3
77.5°	293.2	323.3	343.4	356.2	356.2
80°	209.1	232.0	253.9	267.6	266.7
82.5°	133.3	150.7	173.5	183.6	190.0
85°	69.4	80.4	101.4	105.9	108.7
87.5°	21.9	28.3	36.5	30.1	29.2
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	18.63	20.28	19.00	20.60	20.91	19.17	20.82	19.54	21.14	21.45
	3H	20.40	21.90	20.78	22.22	22.58	21.03	22.53	21.41	22.85	23.21
	4H	21.03	22.44	21.43	22.78	23.16	21.70	23.11	22.10	23.46	23.83
	6H	21.43	22.74	21.84	23.10	23.49	22.19	23.50	22.60	23.86	24.25
	8H	21.53	22.78	21.96	23.17	23.57	22.35	23.59	22.77	23.98	24.38
	12H	21.58	22.78	22.01	23.16	23.59	22.44	23.64	22.87	24.02	24.45
4H	2H	19.37	20.78	19.77	21.13	21.50	19.79	21.20	20.19	21.55	21.92
	3H	21.36	22.54	21.77	22.94	23.34	21.87	23.05	22.28	23.45	23.85
	4H	22.11	23.18	22.54	23.59	24.03	22.67	23.74	23.10	24.15	24.59
	6H	22.63	23.57	23.08	24.01	24.46	23.29	24.22	23.74	24.66	25.12
	8H	22.77	23.64	23.23	24.08	24.55	23.49	24.36	23.95	24.81	25.27
	12H	22.84	23.63	23.32	24.10	24.57	23.63	24.42	24.11	24.89	25.36
8H	4H	22.47	23.34	22.93	23.78	24.25	22.96	23.84	23.42	24.28	24.74
	6H	23.10	23.83	23.59	24.31	24.79	23.69	24.42	24.19	24.91	25.38
	8H	23.29	23.95	23.80	24.45	24.94	23.97	24.62	24.48	25.12	25.61
	12H	23.42	24.00	23.92	24.49	25.05	24.17	24.75	24.68	25.24	25.80
12H	4H	22.51	23.29	22.99	23.77	24.24	22.99	23.77	23.47	24.25	24.72
	6H	23.16	23.82	23.67	24.32	24.81	23.74	24.39	24.24	24.89	25.38
	8H	23.41	23.99	23.92	24.48	25.04	24.06	24.64	24.57	25.13	25.69