

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: P1585836

Luminaire Tested: 14CZSP-SB-65-L840-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585836
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-65-L840-S
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 6200 lumens, 80CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

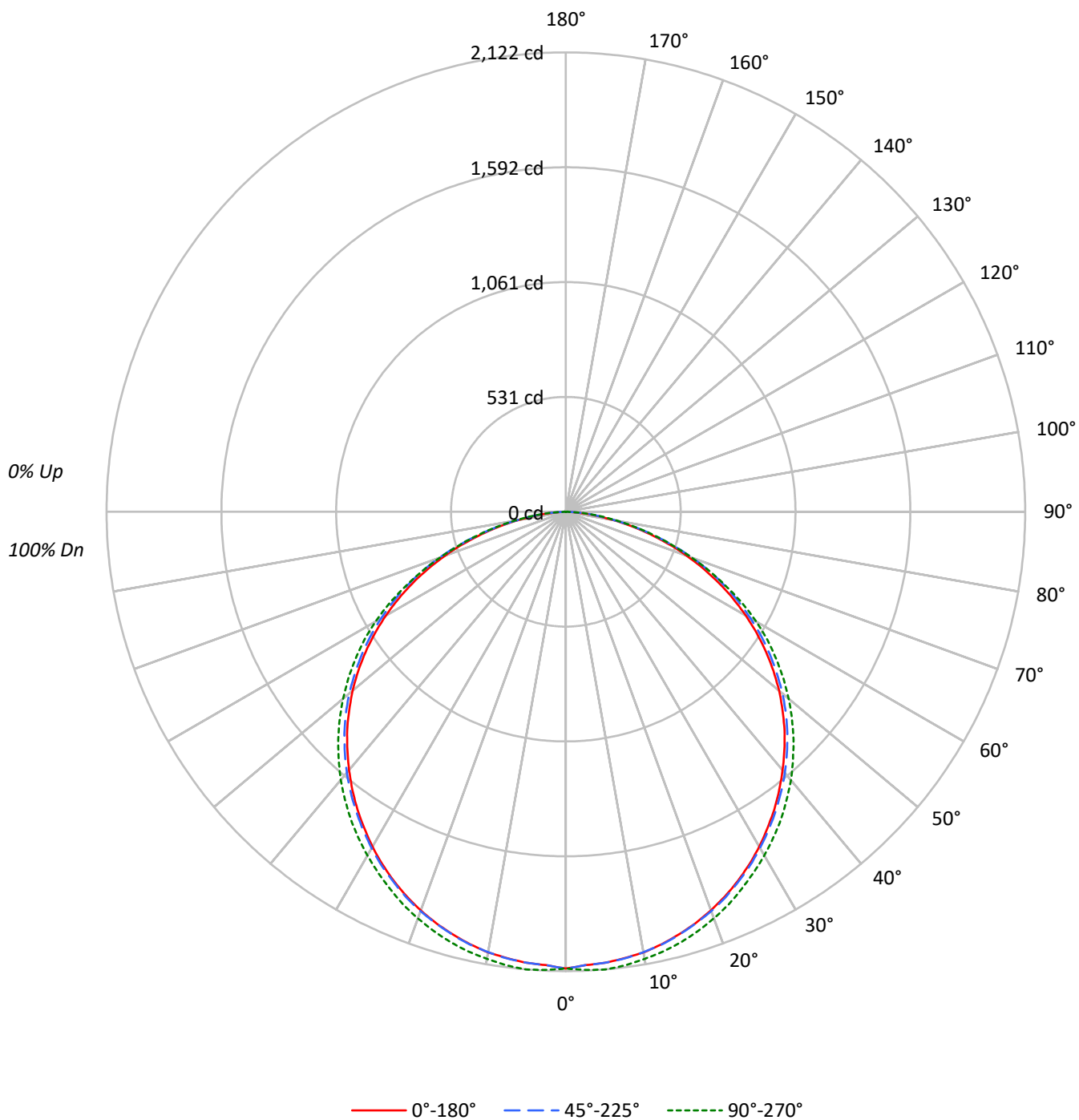
Lumens per Lamp: N/A
Luminaire Lumens: 6226.0 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	7109	7109	7109
5°	7075	7072	7178
10°	7072	7069	7176
15°	7050	7057	7180
20°	7029	7042	7169
25°	6993	7011	7146
30°	6951	6981	7133
35°	6906	6949	7130
40°	6852	6924	7116
45°	6810	6896	7087
50°	6742	6847	7042
55°	6637	6760	6973
60°	6476	6643	6849
65°	6233	6469	6537
70°	5861	6133	6095
75°	5262	5486	5523
80°	4347	4570	4810
85°	2911	3391	3576

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7087 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.0	3.2
10°-20°	574.8	9.2
20°-30°	875.3	14.1
30°-40°	1065.2	17.1
40°-50°	1123.0	18.0
50°-60°	1034.3	16.6
60°-70°	798.8	12.8
70°-80°	447.0	7.2
80°-90°	107.7	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°	1650.0	26.5
0°-40°	2715.2	43.6
0°-60°	4872.5	78.3
0°-90°	6226.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6226.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2110	2110	2110	2110	2110	
5°	2092	2121	2091	2094	2122	199
15°	2021	2049	2023	2034	2058	571
25°	1881	1908	1886	1898	1922	867
35°	1679	1704	1689	1710	1733	1050
45°	1429	1449	1447	1469	1487	1101
55°	1130	1149	1151	1174	1187	1008
65°	782	805	811	819	820	772
75°	404	429	421	420	424	429
85°	75	83	88	98	92	97
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2109.8	2109.8	2109.8	2109.8	2109.8
2.5°	2096.4	2126.9	2096.4	2101.2	2118.3
5°	2091.6	2121.2	2090.7	2093.6	2122.2
7.5°	2079.3	2109.8	2081.2	2085.0	2112.6
10°	2066.9	2094.5	2065.9	2070.7	2097.4
12.5°	2045.9	2074.5	2047.8	2053.5	2080.2
15°	2021.1	2048.7	2023.0	2034.4	2058.3
17.5°	1992.5	2019.2	1994.4	2007.8	2030.6
20°	1960.1	1985.8	1963.9	1973.4	1999.2
22.5°	1922.0	1948.6	1927.7	1936.3	1963.9
25°	1881.0	1907.7	1885.7	1898.1	1922.0
27.5°	1836.2	1861.9	1842.8	1858.1	1879.1
30°	1786.6	1811.4	1794.2	1812.3	1833.3
32.5°	1733.2	1759.9	1742.7	1763.7	1784.7
35°	1678.8	1703.6	1689.3	1710.3	1733.2
37.5°	1619.7	1643.6	1633.1	1655.0	1676.0
40°	1557.8	1584.5	1574.0	1596.9	1617.8
42.5°	1493.9	1519.6	1511.1	1534.9	1553.0
45°	1429.1	1449.1	1447.2	1469.1	1487.2
47.5°	1357.6	1382.4	1378.5	1400.5	1416.7
50°	1286.1	1306.1	1306.1	1327.1	1343.3
52.5°	1208.8	1228.9	1228.9	1253.7	1267.0
55°	1129.7	1148.8	1150.7	1174.5	1186.9
57.5°	1045.8	1065.8	1069.7	1093.5	1104.9
60°	961.0	980.0	985.8	1009.6	1016.3
62.5°	872.3	895.2	898.1	917.1	920.9
65°	781.7	804.6	811.3	818.9	819.9
67.5°	689.3	713.1	719.8	719.8	719.8
70°	594.9	616.8	622.5	618.7	618.7
72.5°	499.6	523.4	520.5	516.7	518.6
75°	404.2	429.0	421.4	420.4	424.2
77.5°	312.7	336.5	324.1	331.8	332.7
80°	224.0	242.2	235.5	246.9	247.9
82.5°	144.0	155.4	157.3	166.8	164.0
85°	75.3	82.9	87.7	98.2	92.5
87.5°	23.8	31.5	28.6	33.4	25.7
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	18.85	20.50	19.21	20.82	21.13	19.07	20.72	19.43	21.04	21.35
	3H	20.67	22.17	21.05	22.49	22.85	20.87	22.36	21.24	22.69	23.05
	4H	21.32	22.73	21.71	23.08	23.45	21.50	22.92	21.90	23.26	23.64
	6H	21.74	23.05	22.16	23.42	23.81	21.96	23.27	22.37	23.63	24.02
	8H	21.85	23.11	22.28	23.49	23.89	22.09	23.34	22.51	23.73	24.13
	12H	21.91	23.11	22.34	23.49	23.92	22.16	23.36	22.59	23.75	24.17
4H	2H	19.53	20.94	19.93	21.29	21.66	19.70	21.11	20.10	21.46	21.83
	3H	21.57	22.75	21.98	23.15	23.55	21.71	22.90	22.12	23.29	23.69
	4H	22.35	23.42	22.78	23.83	24.27	22.47	23.54	22.90	23.96	24.39
	6H	22.90	23.84	23.35	24.28	24.73	23.04	23.98	23.50	24.42	24.88
	8H	23.04	23.92	23.50	24.36	24.83	23.22	24.10	23.68	24.54	25.00
	12H	23.13	23.92	23.61	24.39	24.86	23.33	24.12	23.81	24.60	25.06
8H	4H	22.66	23.53	23.12	23.98	24.44	22.76	23.64	23.22	24.08	24.55
	6H	23.32	24.05	23.81	24.53	25.01	23.45	24.18	23.94	24.66	25.14
	8H	23.52	24.18	24.03	24.68	25.17	23.69	24.34	24.19	24.84	25.33
	12H	23.66	24.23	24.16	24.72	25.28	23.86	24.44	24.37	24.93	25.49
12H	4H	22.69	23.48	23.17	23.95	24.42	22.79	23.58	23.27	24.06	24.52
	6H	23.36	24.02	23.87	24.52	25.01	23.49	24.14	24.00	24.65	25.13
	8H	23.62	24.20	24.12	24.69	25.24	23.78	24.36	24.28	24.85	25.41