

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: P1585832

Luminaire Tested: 14CZSP-SB-65-L830-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585832
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-L830-S
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 6200 lumens, 80CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

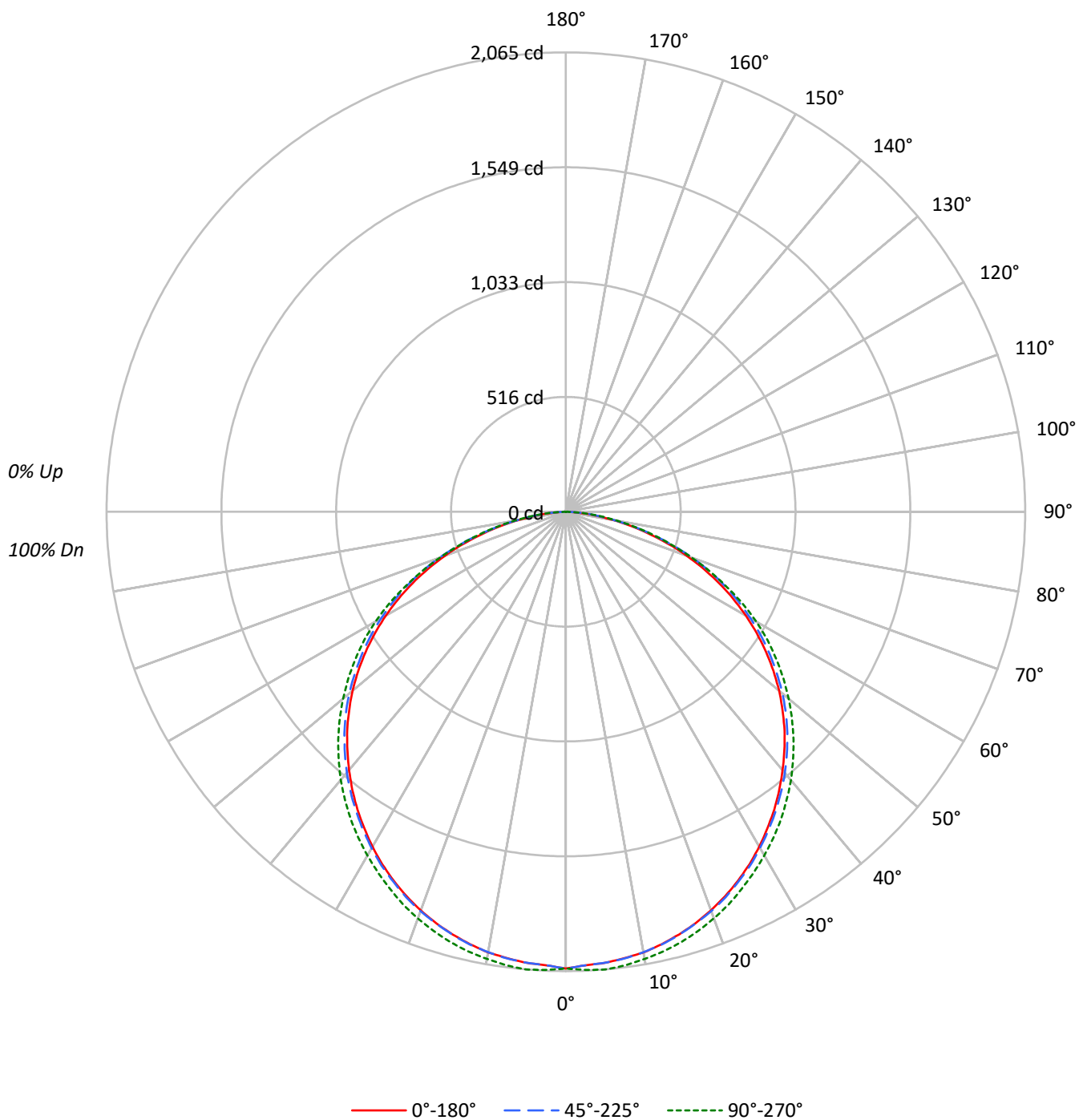
Lumens per Lamp: N/A
Luminaire Lumens: 6059.0 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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			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	99	96	106	102	98	94	97	94	91		93	91	88		90	88	86	84
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61	56	52	49
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55	49	45	43
6	70	56	47	40	68	55	46	40	53	46	40		52	45	40		50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42	36	31	29
9	56	42	34	28	55	42	34	28	41	33	28		40	33	28		39	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6918	6918	6918
5°	6885	6882	6985
10°	6882	6879	6984
15°	6861	6868	6988
20°	6840	6853	6977
25°	6806	6823	6954
30°	6765	6794	6942
35°	6721	6763	6938
40°	6668	6738	6925
45°	6627	6711	6897
50°	6561	6663	6853
55°	6459	6578	6786
60°	6302	6465	6665
65°	6066	6295	6362
70°	5703	5968	5932
75°	5122	5339	5376
80°	4230	4448	4680
85°	2834	3302	3480

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6897 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.6	3.2
10°-20°	559.3	9.2
20°-30°	851.8	14.1
30°-40°	1036.6	17.1
40°-50°	1092.8	18.0
50°-60°	1006.6	16.6
60°-70°	777.4	12.8
70°-80°	435.0	7.2
80°-90°	104.9	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°	1605.7	26.5
0°-40°	2642.4	43.6
0°-60°	4741.8	78.3
0°-90°	6059.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6059.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2053	2053	2053	2053	2053	
5°	2036	2064	2035	2037	2065	193
15°	1967	1994	1969	1980	2003	555
25°	1830	1856	1835	1847	1870	844
35°	1634	1658	1644	1664	1687	1022
45°	1391	1410	1408	1430	1447	1072
55°	1099	1118	1120	1143	1155	981
65°	761	783	790	797	798	752
75°	393	418	410	409	413	417
85°	73	81	85	96	90	94
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2053.2	2053.2	2053.2	2053.2	2053.2
2.5°	2040.2	2069.9	2040.2	2044.8	2061.5
5°	2035.5	2064.3	2034.6	2037.4	2065.2
7.5°	2023.5	2053.2	2025.3	2029.1	2056.0
10°	2011.4	2038.3	2010.5	2015.1	2041.1
12.5°	1991.0	2018.8	1992.9	1998.4	2024.4
15°	1966.9	1993.8	1968.7	1979.9	2003.1
17.5°	1939.1	1965.0	1940.9	1953.9	1976.2
20°	1907.5	1932.6	1911.2	1920.5	1945.6
22.5°	1870.4	1896.4	1876.0	1884.3	1911.2
25°	1830.5	1856.5	1835.1	1847.2	1870.4
27.5°	1786.9	1812.0	1793.4	1808.2	1828.7
30°	1738.7	1762.8	1746.1	1763.7	1784.1
32.5°	1686.7	1712.7	1696.0	1716.4	1736.8
35°	1633.8	1657.9	1644.0	1664.4	1686.7
37.5°	1576.3	1599.5	1589.3	1610.6	1631.0
40°	1516.0	1542.0	1531.8	1554.0	1574.4
42.5°	1453.8	1478.9	1470.5	1493.7	1511.4
45°	1390.7	1410.2	1408.4	1429.7	1447.3
47.5°	1321.2	1345.3	1341.6	1362.9	1378.7
50°	1251.6	1271.1	1271.1	1291.5	1307.2
52.5°	1176.4	1195.9	1195.9	1220.0	1233.0
55°	1099.4	1118.0	1119.8	1143.0	1155.1
57.5°	1017.8	1037.3	1041.0	1064.2	1075.3
60°	935.2	953.8	959.3	982.5	989.0
62.5°	848.9	871.2	874.0	892.5	896.2
65°	760.8	783.0	789.5	797.0	797.9
67.5°	670.8	694.0	700.5	700.5	700.5
70°	578.9	600.3	605.8	602.1	602.1
72.5°	486.2	509.4	506.6	502.9	504.7
75°	393.4	417.5	410.1	409.2	412.9
77.5°	304.3	327.5	315.4	322.9	323.8
80°	218.0	235.7	229.2	240.3	241.2
82.5°	140.1	151.2	153.1	162.4	159.6
85°	73.3	80.7	85.4	95.6	90.0
87.5°	23.2	30.6	27.8	32.5	25.1
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	18.75	20.41	19.12	20.72	21.04	18.97	20.63	19.34	20.94	21.26
	3H	20.58	22.07	20.95	22.40	22.76	20.77	22.27	21.15	22.60	22.96
	4H	21.22	22.63	21.62	22.98	23.36	21.41	22.82	21.81	23.17	23.54
	6H	21.65	22.96	22.06	23.32	23.71	21.86	23.17	22.27	23.54	23.93
	8H	21.76	23.01	22.18	23.40	23.80	21.99	23.25	22.42	23.63	24.03
	12H	21.81	23.01	22.24	23.39	23.82	22.07	23.27	22.50	23.65	24.08
4H	2H	19.43	20.85	19.83	21.19	21.57	19.60	21.02	20.00	21.36	21.74
	3H	21.48	22.66	21.88	23.06	23.46	21.62	22.80	22.03	23.20	23.60
	4H	22.26	23.33	22.69	23.74	24.18	22.38	23.45	22.81	23.86	24.30
	6H	22.80	23.74	23.26	24.18	24.64	22.95	23.89	23.40	24.33	24.78
	8H	22.95	23.83	23.41	24.27	24.73	23.12	24.00	23.58	24.44	24.91
	12H	23.03	23.82	23.51	24.30	24.77	23.24	24.03	23.72	24.50	24.97
8H	4H	22.56	23.44	23.02	23.88	24.35	22.67	23.55	23.13	23.99	24.45
	6H	23.22	23.95	23.71	24.44	24.91	23.35	24.08	23.84	24.57	25.04
	8H	23.43	24.08	23.94	24.59	25.07	23.59	24.24	24.10	24.75	25.24
	12H	23.56	24.14	24.07	24.63	25.19	23.77	24.35	24.27	24.84	25.40
12H	4H	22.59	23.38	23.07	23.86	24.33	22.70	23.49	23.18	23.96	24.43
	6H	23.27	23.92	23.78	24.43	24.91	23.39	24.05	23.90	24.55	25.04
	8H	23.52	24.10	24.03	24.59	25.15	23.68	24.26	24.19	24.75	25.31

END OF REPORT