

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: P1585834

Luminaire Tested: 14CZSP-SB-65-L835-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585834
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-L835-S
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 6200 lumens, 80CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

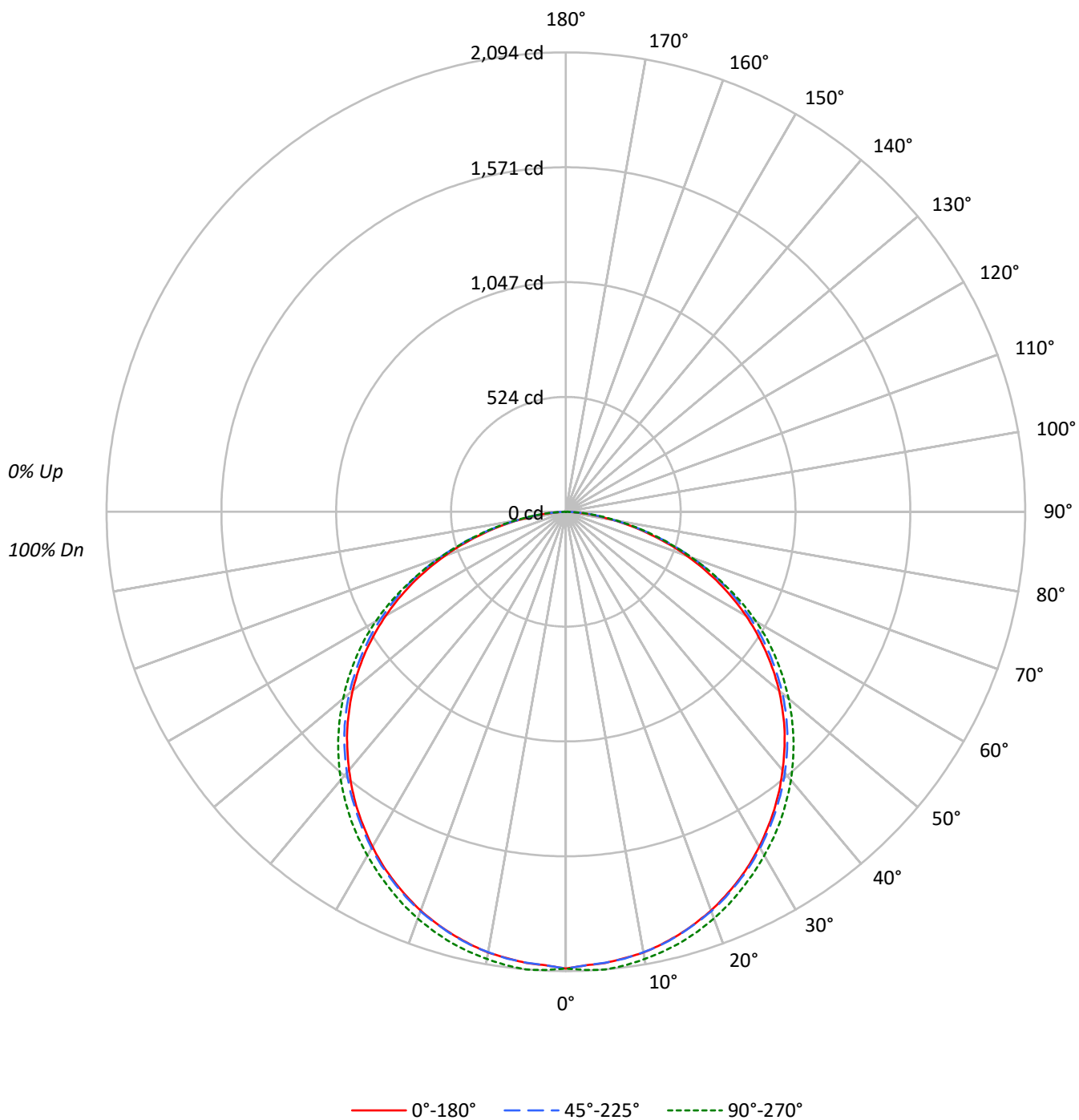
Lumens per Lamp: N/A
Luminaire Lumens: 6145.0 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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°	7016	7016	7016
5°	6983	6980	7085
10°	6980	6977	7083
15°	6959	6965	7087
20°	6937	6950	7076
25°	6902	6920	7053
30°	6861	6890	7040
35°	6816	6859	7037
40°	6763	6833	7024
45°	6721	6807	6995
50°	6654	6758	6950
55°	6550	6672	6882
60°	6392	6557	6759
65°	6152	6384	6452
70°	5785	6053	6017
75°	5195	5415	5451
80°	4290	4510	4746
85°	2873	3348	3530

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6995 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.3	3.2
10°-20°	567.3	9.2
20°-30°	863.9	14.1
30°-40°	1051.4	17.1
40°-50°	1108.4	18.0
50°-60°	1020.8	16.6
60°-70°	788.4	12.8
70°-80°	441.2	7.2
80°-90°	106.3	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°	1628.5	26.5
0°-40°	2679.9	43.6
0°-60°	4809.1	78.3
0°-90°	6145.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6145.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2082	2082	2082	2082	2082	
5°	2064	2094	2064	2066	2094	196
15°	1995	2022	1997	2008	2032	563
25°	1856	1883	1861	1873	1897	856
35°	1657	1682	1667	1688	1711	1036
45°	1410	1430	1428	1450	1468	1087
55°	1115	1134	1136	1159	1172	995
65°	772	794	801	808	809	762
75°	399	423	416	415	419	423
85°	74	82	87	97	91	95
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2082.3	2082.3	2082.3	2082.3	2082.3
2.5°	2069.1	2099.3	2069.1	2073.8	2090.8
5°	2064.4	2093.6	2063.5	2066.3	2094.5
7.5°	2052.2	2082.3	2054.1	2057.9	2085.1
10°	2040.0	2067.3	2039.0	2043.7	2070.1
12.5°	2019.3	2047.5	2021.2	2026.8	2053.1
15°	1994.8	2022.1	1996.7	2008.0	2031.5
17.5°	1966.6	1992.9	1968.5	1981.6	2004.2
20°	1934.6	1960.0	1938.3	1947.8	1973.2
22.5°	1896.9	1923.3	1902.6	1911.1	1938.3
25°	1856.5	1882.8	1861.2	1873.4	1896.9
27.5°	1812.3	1837.7	1818.8	1833.9	1854.6
30°	1763.3	1787.8	1770.9	1788.7	1809.4
32.5°	1710.6	1737.0	1720.1	1740.8	1761.5
35°	1657.0	1681.5	1667.4	1688.1	1710.6
37.5°	1598.7	1622.2	1611.8	1633.5	1654.2
40°	1537.5	1563.9	1553.5	1576.1	1596.8
42.5°	1474.5	1499.9	1491.4	1514.9	1532.8
45°	1410.5	1430.2	1428.4	1450.0	1467.9
47.5°	1339.9	1364.4	1360.6	1382.3	1398.2
50°	1269.3	1289.1	1289.1	1309.8	1325.8
52.5°	1193.1	1212.9	1212.9	1237.3	1250.5
55°	1115.0	1133.8	1135.7	1159.2	1171.5
57.5°	1032.2	1052.0	1055.7	1079.3	1090.6
60°	948.5	967.3	972.9	996.5	1003.0
62.5°	861.0	883.5	886.4	905.2	909.0
65°	771.6	794.2	800.7	808.3	809.2
67.5°	680.3	703.8	710.4	710.4	710.4
70°	587.2	608.8	614.4	610.7	610.7
72.5°	493.1	516.6	513.8	510.0	511.9
75°	399.0	423.4	415.9	415.0	418.7
77.5°	308.6	332.2	319.9	327.4	328.4
80°	221.1	239.0	232.4	243.7	244.6
82.5°	142.1	153.4	155.3	164.7	161.8
85°	74.3	81.9	86.6	96.9	91.3
87.5°	23.5	31.1	28.2	32.9	25.4
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	18.80	20.46	19.17	20.77	21.09	19.02	20.68	19.39	20.99	21.30
	3H	20.62	22.12	21.00	22.45	22.81	20.82	22.32	21.20	22.64	23.00
	4H	21.27	22.68	21.67	23.03	23.41	21.46	22.87	21.86	23.22	23.59
	6H	21.70	23.01	22.11	23.37	23.76	21.91	23.22	22.32	23.58	23.98
	8H	21.81	23.06	22.23	23.45	23.85	22.04	23.29	22.47	23.68	24.08
	12H	21.86	23.06	22.29	23.44	23.87	22.12	23.32	22.55	23.70	24.13
4H	2H	19.48	20.90	19.88	21.24	21.62	19.65	21.06	20.05	21.41	21.79
	3H	21.52	22.71	21.93	23.11	23.51	21.67	22.85	22.08	23.25	23.65
	4H	22.30	23.38	22.73	23.79	24.22	22.42	23.50	22.86	23.91	24.34
	6H	22.85	23.79	23.31	24.23	24.69	23.00	23.94	23.45	24.38	24.83
	8H	23.00	23.88	23.46	24.32	24.78	23.17	24.05	23.63	24.49	24.96
	12H	23.08	23.87	23.56	24.35	24.82	23.29	24.08	23.77	24.55	25.02
8H	4H	22.61	23.49	23.07	23.93	24.39	22.72	23.60	23.18	24.04	24.50
	6H	23.27	24.00	23.76	24.49	24.96	23.40	24.13	23.89	24.62	25.09
	8H	23.48	24.13	23.98	24.64	25.12	23.64	24.29	24.15	24.80	25.28
	12H	23.61	24.19	24.12	24.68	25.24	23.82	24.39	24.32	24.88	25.44
12H	4H	22.64	23.43	23.12	23.91	24.37	22.75	23.54	23.23	24.01	24.48
	6H	23.32	23.97	23.82	24.48	24.96	23.44	24.10	23.95	24.60	25.09
	8H	23.57	24.15	24.08	24.64	25.20	23.73	24.31	24.24	24.80	25.36