

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: P1585844

Luminaire Tested: 14CZSP-SB-65-L935-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585844
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-L935-S
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 6200 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

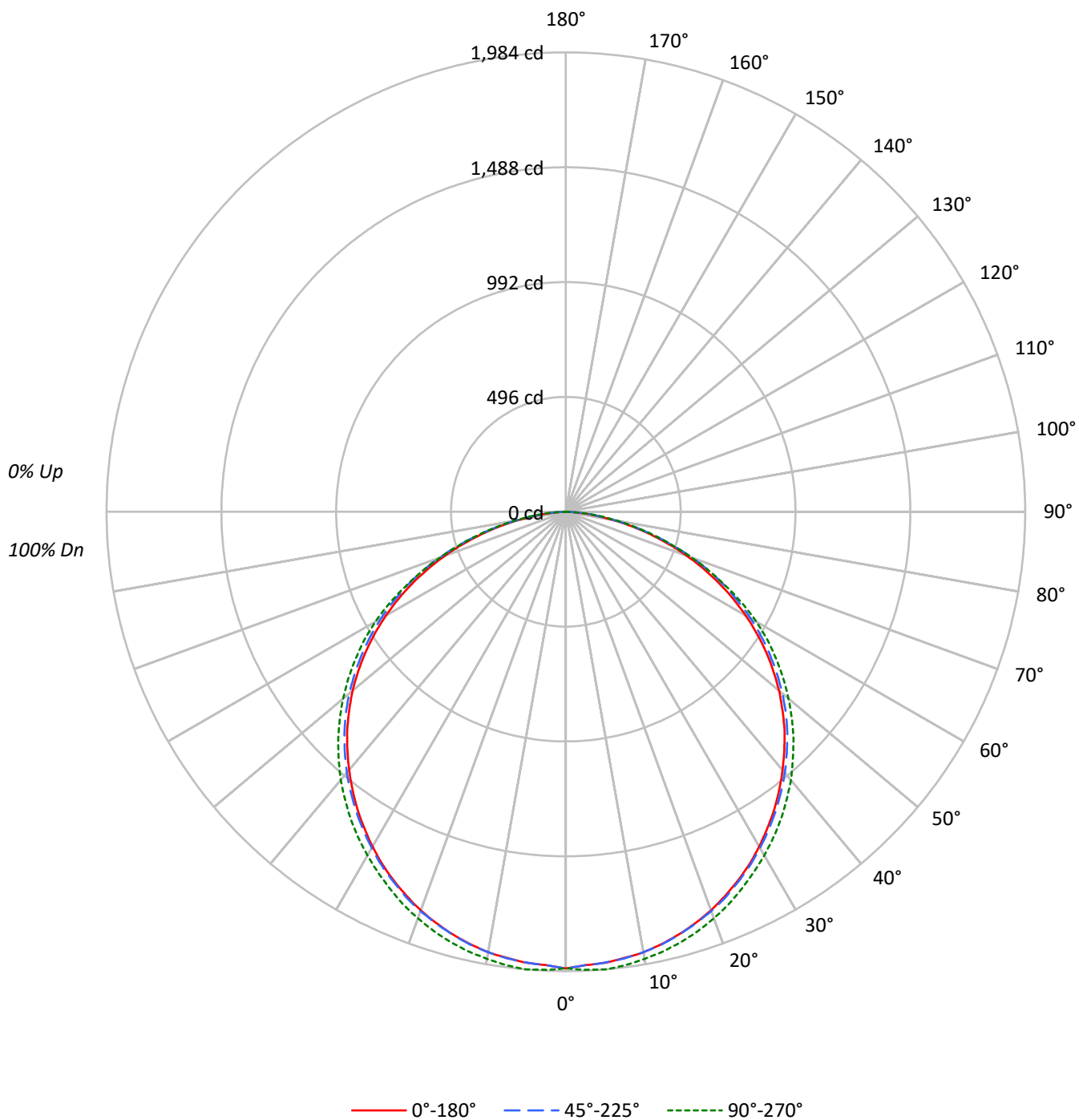
Lumens per Lamp: N/A
Luminaire Lumens: 5820.0 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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°	6645	6645	6645
5°	6614	6611	6710
10°	6611	6608	6708
15°	6591	6597	6712
20°	6570	6583	6701
25°	6537	6554	6680
30°	6498	6526	6668
35°	6456	6496	6665
40°	6405	6472	6652
45°	6366	6447	6625
50°	6302	6400	6583
55°	6204	6319	6518
60°	6054	6210	6402
65°	5827	6047	6111
70°	5479	5733	5698
75°	4920	5128	5163
80°	4063	4271	4496
85°	2722	3170	3340

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6625 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.9	3.2
10°-20°	537.3	9.2
20°-30°	818.2	14.1
30°-40°	995.7	17.1
40°-50°	1049.7	18.0
50°-60°	966.8	16.6
60°-70°	746.7	12.8
70°-80°	417.9	7.2
80°-90°	100.7	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°	1542.4	26.5
0°-40°	2538.1	43.6
0°-60°	4554.7	78.3
0°-90°	5820.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5820.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1972	1972	1972	1972	1972	
5°	1955	1983	1954	1957	1984	186
15°	1889	1915	1891	1902	1924	533
25°	1758	1783	1763	1774	1797	810
35°	1569	1592	1579	1599	1620	982
45°	1336	1355	1353	1373	1390	1029
55°	1056	1074	1076	1098	1110	943
65°	731	752	758	766	766	722
75°	378	401	394	393	397	401
85°	70	78	82	92	86	90
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1972.2	1972.2	1972.2	1972.2	1972.2
2.5°	1959.7	1988.2	1959.7	1964.2	1980.2
5°	1955.3	1982.9	1954.4	1957.0	1983.8
7.5°	1943.7	1972.2	1945.4	1949.0	1974.9
10°	1932.1	1957.9	1931.2	1935.6	1960.6
12.5°	1912.5	1939.2	1914.3	1919.6	1944.6
15°	1889.3	1915.1	1891.1	1901.8	1924.1
17.5°	1862.6	1887.5	1864.4	1876.8	1898.2
20°	1832.3	1856.3	1835.8	1844.7	1868.8
22.5°	1796.6	1821.6	1802.0	1810.0	1835.8
25°	1758.3	1783.3	1762.8	1774.3	1796.6
27.5°	1716.4	1740.5	1722.7	1736.9	1756.5
30°	1670.1	1693.2	1677.2	1694.1	1713.7
32.5°	1620.2	1645.1	1629.1	1648.7	1668.3
35°	1569.4	1592.5	1579.2	1598.8	1620.2
37.5°	1514.1	1536.4	1526.6	1547.1	1566.7
40°	1456.2	1481.1	1471.3	1492.7	1512.3
42.5°	1396.5	1420.5	1412.5	1434.8	1451.7
45°	1335.9	1354.6	1352.8	1373.3	1390.2
47.5°	1269.0	1292.2	1288.6	1309.1	1324.3
50°	1202.2	1220.9	1220.9	1240.5	1255.7
52.5°	1130.0	1148.7	1148.7	1171.9	1184.4
55°	1056.0	1073.9	1075.7	1097.9	1109.5
57.5°	977.6	996.3	999.9	1022.2	1032.9
60°	898.3	916.1	921.5	943.8	950.0
62.5°	815.4	836.8	839.5	857.3	860.9
65°	730.8	752.2	758.4	765.5	766.4
67.5°	644.3	666.6	672.8	672.8	672.8
70°	556.1	576.6	581.9	578.4	578.4
72.5°	467.0	489.3	486.6	483.0	484.8
75°	377.9	401.0	393.9	393.0	396.6
77.5°	292.3	314.6	303.0	310.1	311.0
80°	209.4	226.4	220.1	230.8	231.7
82.5°	134.6	145.3	147.0	156.0	153.3
85°	70.4	77.5	82.0	91.8	86.4
87.5°	22.3	29.4	26.7	31.2	24.1
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	18.61	20.27	18.98	20.58	20.90	18.83	20.49	19.20	20.80	21.12
	3H	20.44	21.93	20.81	22.26	22.62	20.63	22.13	21.01	22.46	22.82
	4H	21.08	22.49	21.48	22.84	23.22	21.27	22.68	21.67	23.03	23.40
	6H	21.51	22.82	21.92	23.18	23.57	21.72	23.03	22.13	23.40	23.79
	8H	21.62	22.87	22.04	23.26	23.66	21.85	23.11	22.28	23.49	23.89
	12H	21.67	22.87	22.10	23.25	23.68	21.93	23.13	22.36	23.51	23.94
4H	2H	19.29	20.71	19.69	21.05	21.43	19.46	20.88	19.86	21.22	21.60
	3H	21.34	22.52	21.74	22.92	23.32	21.48	22.66	21.89	23.06	23.46
	4H	22.12	23.19	22.55	23.60	24.04	22.24	23.31	22.67	23.72	24.16
	6H	22.66	23.60	23.12	24.04	24.50	22.81	23.75	23.26	24.19	24.64
	8H	22.81	23.69	23.27	24.13	24.59	22.98	23.86	23.44	24.30	24.77
	12H	22.89	23.68	23.37	24.16	24.63	23.10	23.89	23.58	24.36	24.83
8H	4H	22.42	23.30	22.88	23.74	24.21	22.53	23.41	22.99	23.85	24.31
	6H	23.08	23.81	23.57	24.30	24.77	23.21	23.94	23.70	24.43	24.90
	8H	23.29	23.94	23.80	24.45	24.93	23.45	24.10	23.96	24.61	25.10
	12H	23.42	24.00	23.93	24.49	25.05	23.63	24.21	24.13	24.70	25.26
12H	4H	22.45	23.24	22.93	23.72	24.19	22.56	23.35	23.04	23.82	24.29
	6H	23.13	23.78	23.64	24.29	24.77	23.25	23.91	23.76	24.41	24.90
	8H	23.38	23.96	23.89	24.45	25.01	23.54	24.12	24.05	24.61	25.17