

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: P1585850

Luminaire Tested: 14CZSP-SB-65-L950-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585850
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-L950-S
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 6200 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

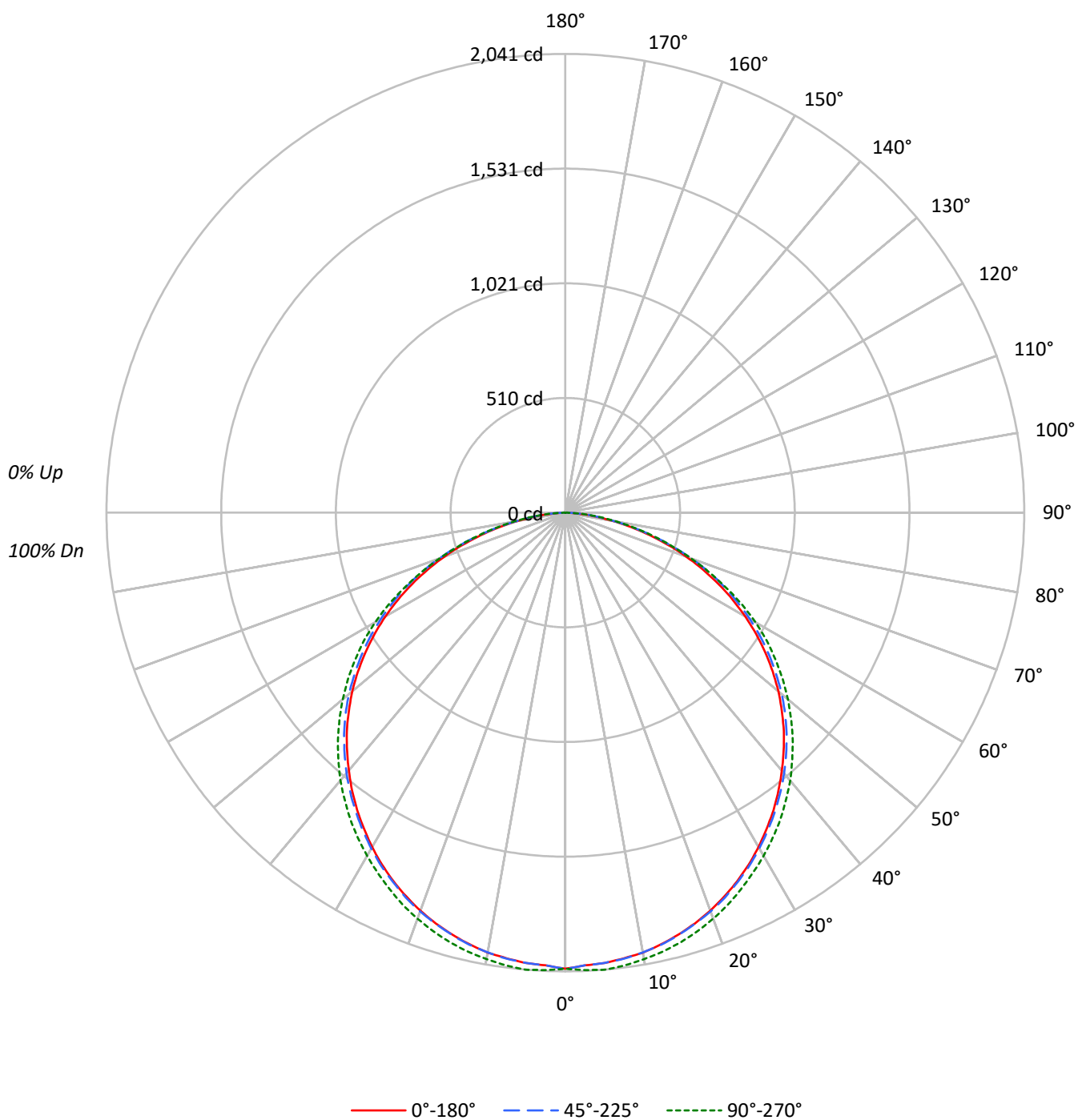
Lumens per Lamp: N/A
Luminaire Lumens: 5988.0 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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°	6837	6837	6837
5°	6804	6801	6904
10°	6802	6798	6902
15°	6781	6787	6906
20°	6760	6773	6895
25°	6726	6743	6873
30°	6686	6714	6860
35°	6642	6684	6857
40°	6590	6659	6844
45°	6549	6633	6816
50°	6484	6585	6772
55°	6383	6502	6706
60°	6228	6389	6587
65°	5995	6221	6287
70°	5636	5898	5863
75°	5062	5277	5312
80°	4182	4395	4626
85°	2799	3263	3437

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6816 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.3	3.2
10°-20°	552.8	9.2
20°-30°	841.8	14.1
30°-40°	1024.5	17.1
40°-50°	1080.0	18.0
50°-60°	994.8	16.6
60°-70°	768.3	12.8
70°-80°	429.9	7.2
80°-90°	103.6	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°	1586.9	26.5
0°-40°	2611.4	43.6
0°-60°	4686.2	78.3
0°-90°	5988.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5988.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2029	2029	2029	2029	2029	
5°	2012	2040	2011	2014	2041	191
15°	1944	1970	1946	1957	1980	549
25°	1809	1835	1814	1826	1848	834
35°	1615	1638	1625	1645	1667	1010
45°	1374	1394	1392	1413	1430	1059
55°	1086	1105	1107	1130	1142	970
65°	752	774	780	788	788	743
75°	389	413	405	404	408	412
85°	72	80	84	94	89	93
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2029.1	2029.1	2029.1	2029.1	2029.1
2.5°	2016.3	2045.6	2016.3	2020.9	2037.4
5°	2011.7	2040.1	2010.8	2013.5	2041.0
7.5°	1999.8	2029.1	2001.6	2005.3	2031.9
10°	1987.9	2014.4	1986.9	1991.5	2017.2
12.5°	1967.7	1995.2	1969.5	1975.0	2000.7
15°	1943.8	1970.4	1945.7	1956.7	1979.6
17.5°	1916.3	1942.0	1918.2	1931.0	1953.0
20°	1885.2	1909.9	1888.8	1898.0	1922.8
22.5°	1848.5	1874.2	1854.0	1862.2	1888.8
25°	1809.1	1834.7	1813.6	1825.6	1848.5
27.5°	1766.0	1790.7	1772.4	1787.1	1807.2
30°	1718.3	1742.1	1725.6	1743.0	1763.2
32.5°	1666.9	1692.6	1676.1	1696.3	1716.4
35°	1614.7	1638.5	1624.8	1644.9	1666.9
37.5°	1557.8	1580.7	1570.7	1591.7	1611.9
40°	1498.2	1523.9	1513.8	1535.8	1556.0
42.5°	1436.8	1461.5	1453.3	1476.2	1493.6
45°	1374.4	1393.7	1391.9	1413.0	1430.4
47.5°	1305.7	1329.5	1325.8	1346.9	1362.5
50°	1236.9	1256.2	1256.2	1276.3	1291.9
52.5°	1162.6	1181.9	1181.9	1205.7	1218.6
55°	1086.5	1104.9	1106.7	1129.6	1141.5
57.5°	1005.8	1025.1	1028.8	1051.7	1062.7
60°	924.2	942.6	948.1	971.0	977.4
62.5°	839.0	861.0	863.7	882.1	885.7
65°	751.9	773.9	780.3	787.6	788.5
67.5°	662.9	685.8	692.3	692.3	692.3
70°	572.1	593.2	598.7	595.1	595.1
72.5°	480.5	503.4	500.6	497.0	498.8
75°	388.8	412.6	405.3	404.4	408.0
77.5°	300.7	323.7	311.7	319.1	320.0
80°	215.5	232.9	226.5	237.5	238.4
82.5°	138.5	149.5	151.3	160.5	157.7
85°	72.4	79.8	84.4	94.4	88.9
87.5°	22.9	30.3	27.5	32.1	24.8
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	18.71	20.37	19.08	20.68	21.00	18.93	20.59	19.30	20.90	21.21
	3H	20.53	22.03	20.91	22.36	22.72	20.73	22.23	21.11	22.55	22.91
	4H	21.18	22.59	21.58	22.94	23.32	21.37	22.78	21.77	23.13	23.50
	6H	21.61	22.92	22.02	23.28	23.67	21.82	23.13	22.23	23.49	23.89
	8H	21.72	22.97	22.14	23.36	23.76	21.95	23.20	22.38	23.59	23.99
	12H	21.77	22.97	22.20	23.35	23.78	22.03	23.23	22.46	23.61	24.04
4H	2H	19.39	20.81	19.79	21.15	21.53	19.56	20.97	19.96	21.32	21.70
	3H	21.43	22.62	21.84	23.02	23.42	21.58	22.76	21.99	23.16	23.56
	4H	22.21	23.29	22.64	23.70	24.13	22.33	23.41	22.77	23.82	24.26
	6H	22.76	23.70	23.22	24.14	24.60	22.91	23.85	23.36	24.29	24.74
	8H	22.91	23.79	23.37	24.23	24.69	23.08	23.96	23.54	24.40	24.87
	12H	22.99	23.78	23.47	24.26	24.73	23.20	23.99	23.68	24.46	24.93
8H	4H	22.52	23.40	22.98	23.84	24.30	22.63	23.51	23.09	23.95	24.41
	6H	23.18	23.91	23.67	24.40	24.87	23.31	24.04	23.80	24.53	25.00
	8H	23.39	24.04	23.89	24.55	25.03	23.55	24.20	24.06	24.71	25.19
	12H	23.52	24.10	24.03	24.59	25.15	23.73	24.30	24.23	24.79	25.35
12H	4H	22.55	23.34	23.03	23.82	24.28	22.66	23.45	23.14	23.92	24.39
	6H	23.23	23.88	23.73	24.39	24.87	23.35	24.01	23.86	24.51	25.00
	8H	23.48	24.06	23.99	24.55	25.11	23.64	24.22	24.15	24.71	25.27