

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: P1585842

Luminaire Tested: 14CZSP-SB-65-L930-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585842
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-L930-S
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 6200 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

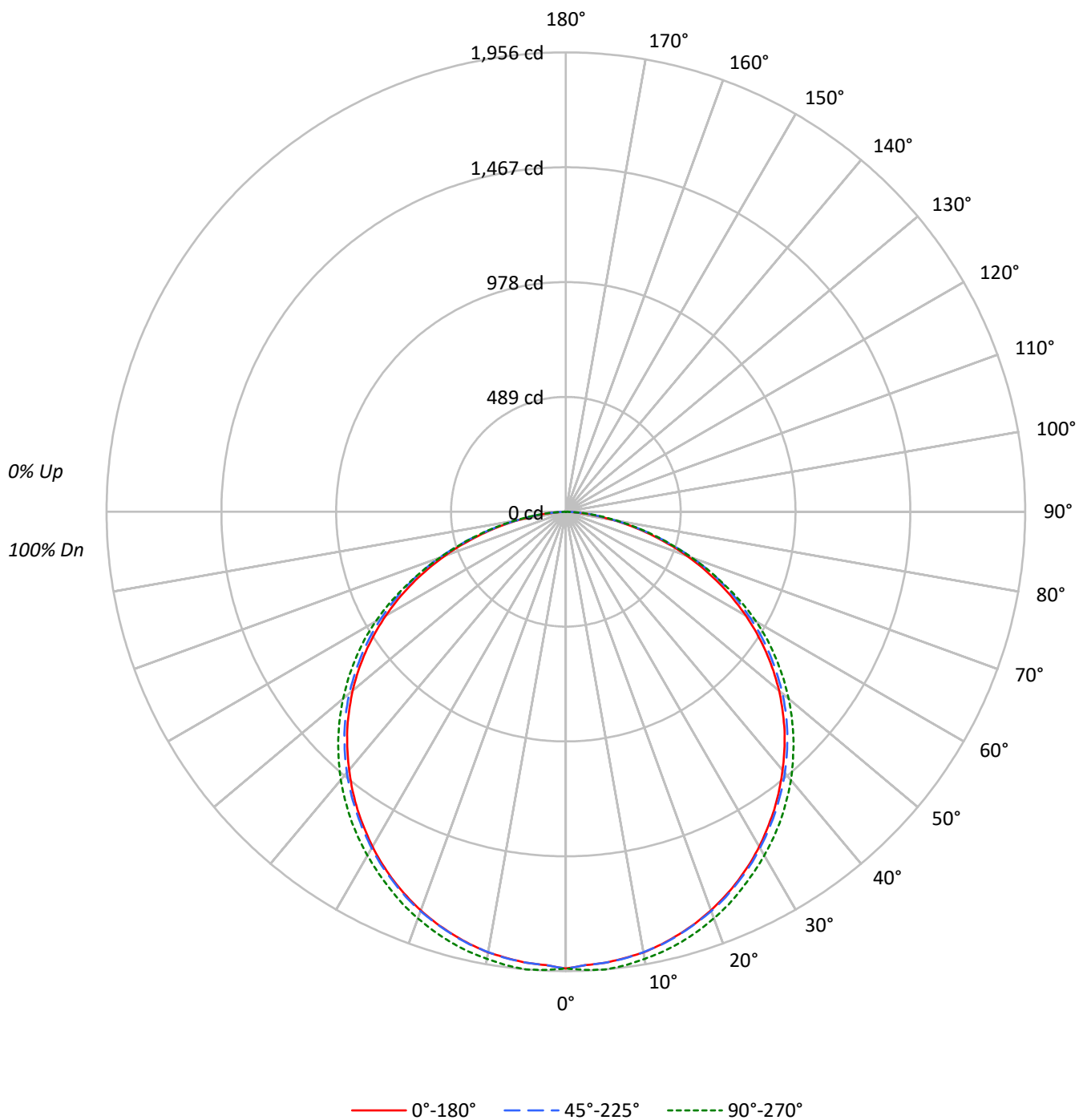
Lumens per Lamp: N/A
Luminaire Lumens: 5739.0 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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°	6553	6553	6553
5°	6521	6519	6617
10°	6519	6516	6615
15°	6499	6505	6619
20°	6479	6491	6608
25°	6446	6462	6587
30°	6407	6435	6575
35°	6366	6406	6572
40°	6316	6382	6560
45°	6277	6357	6533
50°	6215	6311	6491
55°	6118	6231	6427
60°	5970	6124	6313
65°	5745	5962	6025
70°	5403	5653	5619
75°	4851	5057	5092
80°	4007	4213	4434
85°	2683	3124	3294

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6533 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.3	3.2
10°-20°	529.8	9.2
20°-30°	806.8	14.1
30°-40°	981.9	17.1
40°-50°	1035.1	18.0
50°-60°	953.4	16.6
60°-70°	736.3	12.8
70°-80°	412.0	7.2
80°-90°	99.3	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°	1520.9	26.5
0°-40°	2502.8	43.6
0°-60°	4491.3	78.3
0°-90°	5739.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5739.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1945	1945	1945	1945	1945	
5°	1928	1955	1927	1930	1956	183
15°	1863	1888	1865	1875	1897	526
25°	1734	1758	1738	1750	1772	799
35°	1548	1570	1557	1576	1598	968
45°	1317	1336	1334	1354	1371	1015
55°	1041	1059	1061	1083	1094	929
65°	721	742	748	755	756	712
75°	373	396	388	388	391	395
85°	69	76	81	90	85	89
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1944.7	1944.7	1944.7	1944.7	1944.7
2.5°	1932.4	1960.6	1932.4	1936.8	1952.6
5°	1928.0	1955.3	1927.2	1929.8	1956.2
7.5°	1916.6	1944.7	1918.4	1921.9	1947.4
10°	1905.2	1930.7	1904.3	1908.7	1933.3
12.5°	1885.9	1912.2	1887.6	1892.9	1917.5
15°	1863.0	1888.5	1864.8	1875.3	1897.3
17.5°	1836.6	1861.3	1838.4	1850.7	1871.8
20°	1806.8	1830.5	1810.3	1819.1	1842.8
22.5°	1771.6	1796.2	1776.9	1784.8	1810.3
25°	1733.8	1758.4	1738.2	1749.6	1771.6
27.5°	1692.5	1716.3	1698.7	1712.7	1732.1
30°	1646.8	1669.7	1653.9	1670.6	1689.9
32.5°	1597.6	1622.2	1606.4	1625.7	1645.1
35°	1547.5	1570.4	1557.2	1576.5	1597.6
37.5°	1493.0	1515.0	1505.3	1525.6	1544.9
40°	1435.9	1460.5	1450.9	1472.0	1491.3
42.5°	1377.0	1400.8	1392.9	1414.8	1431.5
45°	1317.3	1335.7	1334.0	1354.2	1370.9
47.5°	1251.4	1274.2	1270.7	1290.9	1305.9
50°	1185.5	1203.9	1203.9	1223.3	1238.2
52.5°	1114.3	1132.7	1132.7	1155.6	1167.9
55°	1041.4	1058.9	1060.7	1082.7	1094.1
57.5°	964.0	982.5	986.0	1008.0	1018.5
60°	885.8	903.4	908.7	930.6	936.8
62.5°	804.1	825.2	827.8	845.4	848.9
65°	720.6	741.7	747.8	754.9	755.7
67.5°	635.4	657.3	663.5	663.5	663.5
70°	548.4	568.6	573.8	570.3	570.3
72.5°	460.5	482.4	479.8	476.3	478.1
75°	372.6	395.5	388.4	387.5	391.1
77.5°	288.2	310.2	298.8	305.8	306.7
80°	206.5	223.2	217.1	227.6	228.5
82.5°	132.7	143.2	145.0	153.8	151.1
85°	69.4	76.5	80.8	90.5	85.2
87.5°	22.0	29.0	26.4	30.8	23.7
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	18.57	20.22	18.93	20.54	20.85	18.78	20.44	19.15	20.75	21.07
	3H	20.39	21.89	20.76	22.21	22.57	20.58	22.08	20.96	22.41	22.77
	4H	21.03	22.45	21.43	22.79	23.17	21.22	22.63	21.62	22.98	23.36
	6H	21.46	22.77	21.87	23.14	23.53	21.67	22.98	22.08	23.35	23.74
	8H	21.57	22.82	22.00	23.21	23.61	21.81	23.06	22.23	23.45	23.84
	12H	21.62	22.82	22.05	23.21	23.63	21.88	23.08	22.31	23.46	23.89
4H	2H	19.25	20.66	19.64	21.00	21.38	19.42	20.83	19.81	21.17	21.55
	3H	21.29	22.47	21.70	22.87	23.27	21.43	22.61	21.84	23.01	23.41
	4H	22.07	23.14	22.50	23.55	23.99	22.19	23.26	22.62	23.67	24.11
	6H	22.62	23.55	23.07	23.99	24.45	22.76	23.70	23.21	24.14	24.59
	8H	22.76	23.64	23.22	24.08	24.55	22.94	23.81	23.40	24.25	24.72
	12H	22.85	23.63	23.32	24.11	24.58	23.05	23.84	23.53	24.31	24.78
8H	4H	22.37	23.25	22.83	23.69	24.16	22.48	23.36	22.94	23.80	24.27
	6H	23.03	23.76	23.53	24.25	24.72	23.16	23.89	23.66	24.38	24.85
	8H	23.24	23.89	23.75	24.40	24.88	23.40	24.06	23.91	24.56	25.05
	12H	23.37	23.95	23.88	24.44	25.00	23.58	24.16	24.08	24.65	25.21
12H	4H	22.40	23.19	22.88	23.67	24.14	22.51	23.30	22.99	23.77	24.24
	6H	23.08	23.73	23.59	24.24	24.72	23.20	23.86	23.71	24.37	24.85
	8H	23.33	23.91	23.84	24.40	24.96	23.50	24.07	24.00	24.56	25.12