

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: P1585843

Luminaire Tested: 14CZSP-SB-65-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585843
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-SB-65-L930
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 6200 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

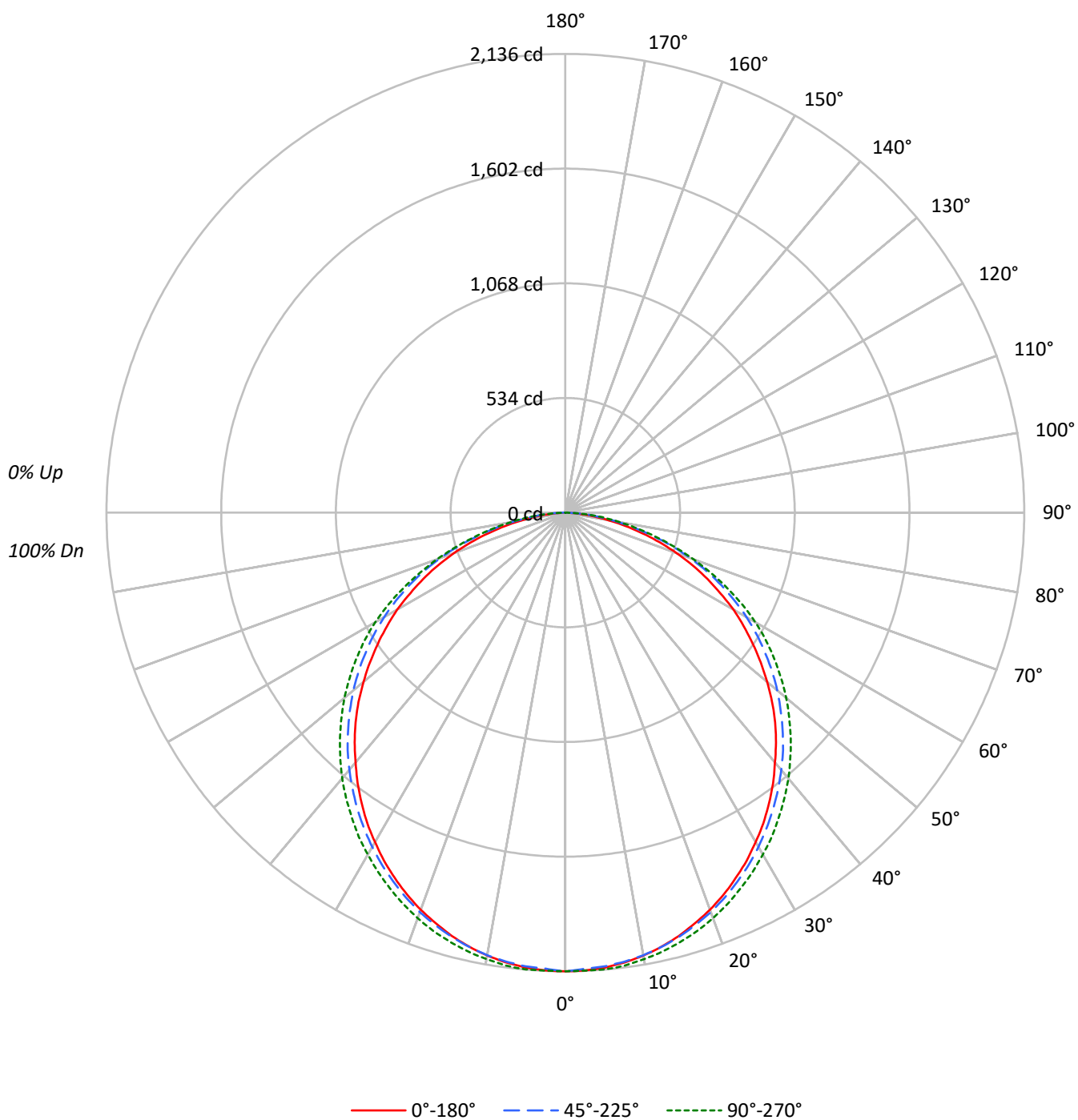
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6171.0 lumens
Efficiency: N/A
Efficacy: 126.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
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	100	96	106	102	98	94	97	94	91		93	91	88		90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75		82	77	73		79	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46		57	51	45		55	50	45	43
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	35		47	40	35		46	40	35	33
8	60	46	38	32	58	46	38	32	44	37	32		43	36	31		42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28		40	33	28		39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7197	7197	7197
5°	7192	7174	7222
10°	7166	7160	7224
15°	7120	7135	7219
20°	7057	7099	7207
25°	6980	7046	7178
30°	6893	6993	7153
35°	6798	6937	7127
40°	6679	6878	7108
45°	6583	6816	7070
50°	6426	6752	7037
55°	6261	6663	6982
60°	6092	6565	6889
65°	5819	6393	6626
70°	5429	6104	6253
75°	4838	5532	5693
80°	3951	4795	5037
85°	2614	3816	4090

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7070 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.3	3.3
10°-20°	579.5	9.4
20°-30°	877.4	14.2
30°-40°	1059.1	17.2
40°-50°	1106.0	17.9
50°-60°	1011.7	16.4
60°-70°	782.2	12.7
70°-80°	442.8	7.2
80°-90°	110.0	1.8
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°	1659.2	26.9
0°-40°	2718.3	44.0
0°-60°	4836.0	78.4
0°-90°	6171.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6171.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2136	2136	2136	2136	2136	
5°	2126	2141	2121	2123	2135	202
15°	2041	2059	2045	2055	2069	576
25°	1877	1901	1895	1913	1931	865
35°	1652	1676	1686	1715	1732	1034
45°	1381	1408	1430	1467	1484	1064
55°	1066	1098	1134	1170	1188	953
65°	730	760	802	826	831	720
75°	372	404	425	436	437	394
85°	68	78	99	103	106	87
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2136.0	2136.0	2136.0	2136.0	2136.0
2.5°	2133.4	2148.5	2125.4	2129.8	2134.3
5°	2126.3	2141.4	2120.9	2122.7	2135.2
7.5°	2112.9	2129.8	2108.5	2112.0	2127.2
10°	2094.3	2111.2	2092.5	2096.0	2111.2
12.5°	2070.3	2087.2	2071.2	2076.5	2093.4
15°	2040.9	2058.7	2045.4	2055.2	2069.4
17.5°	2005.4	2027.6	2013.4	2028.5	2042.7
20°	1968.0	1990.3	1979.6	1992.9	2009.8
22.5°	1925.4	1947.6	1939.6	1953.8	1972.5
25°	1877.4	1901.4	1895.2	1912.9	1930.7
27.5°	1827.6	1850.7	1848.9	1868.5	1887.2
30°	1771.6	1796.5	1797.4	1820.5	1838.3
32.5°	1715.6	1737.8	1743.1	1768.9	1789.4
35°	1652.5	1675.6	1686.3	1714.7	1732.5
37.5°	1588.5	1614.3	1625.8	1656.9	1675.6
40°	1518.3	1547.6	1563.6	1596.5	1616.0
42.5°	1451.6	1478.3	1499.6	1532.5	1550.3
45°	1381.4	1408.0	1430.3	1466.7	1483.6
47.5°	1305.8	1335.1	1359.1	1394.7	1413.4
50°	1225.8	1257.8	1288.0	1322.7	1342.3
52.5°	1146.7	1177.8	1212.5	1246.2	1265.8
55°	1065.8	1097.8	1134.2	1169.8	1188.5
57.5°	984.0	1016.0	1056.0	1088.0	1107.6
60°	904.0	933.4	974.2	1006.2	1022.2
62.5°	813.4	847.1	888.9	920.9	929.8
65°	729.8	760.0	801.8	825.8	831.1
67.5°	640.9	671.1	712.9	726.2	734.2
70°	551.1	583.1	619.6	628.5	634.7
72.5°	460.5	493.3	521.8	530.7	536.0
75°	371.6	403.6	424.9	435.6	437.3
77.5°	285.3	314.7	334.2	346.7	346.7
80°	203.6	225.8	247.1	260.4	259.6
82.5°	129.8	146.7	168.9	178.7	184.9
85°	67.6	78.2	98.7	103.1	105.8
87.5°	21.3	27.6	35.6	29.3	28.4
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	18.54	20.19	18.90	20.50	20.82	19.08	20.73	19.44	21.04	21.36
	3H	20.31	21.80	20.69	22.13	22.49	20.94	22.43	21.32	22.76	23.12
	4H	20.93	22.34	21.33	22.69	23.06	21.61	23.02	22.01	23.37	23.74
	6H	21.34	22.64	21.75	23.01	23.40	22.10	23.40	22.51	23.77	24.16
	8H	21.44	22.69	21.86	23.08	23.47	22.25	23.50	22.68	23.89	24.29
	12H	21.49	22.68	21.92	23.06	23.49	22.35	23.55	22.78	23.93	24.36
4H	2H	19.28	20.68	19.67	21.03	21.41	19.70	21.11	20.10	21.45	21.83
	3H	21.27	22.45	21.68	22.85	23.25	21.78	22.96	22.19	23.36	23.75
	4H	22.02	23.09	22.45	23.50	23.94	22.58	23.65	23.01	24.06	24.49
	6H	22.54	23.47	22.99	23.91	24.37	23.19	24.13	23.65	24.57	25.02
	8H	22.67	23.55	23.13	23.99	24.45	23.40	24.27	23.86	24.71	25.18
	12H	22.75	23.54	23.23	24.01	24.48	23.54	24.32	24.01	24.80	25.27
8H	4H	22.37	23.25	22.83	23.69	24.15	22.87	23.74	23.33	24.18	24.65
	6H	23.01	23.73	23.50	24.22	24.69	23.60	24.33	24.09	24.81	25.29
	8H	23.20	23.85	23.71	24.36	24.84	23.87	24.53	24.38	25.03	25.52
	12H	23.32	23.90	23.83	24.39	24.95	24.08	24.66	24.59	25.15	25.71
12H	4H	22.41	23.20	22.89	23.68	24.14	22.89	23.68	23.37	24.15	24.62
	6H	23.07	23.72	23.58	24.23	24.71	23.64	24.30	24.15	24.80	25.29
	8H	23.32	23.90	23.83	24.39	24.95	23.97	24.55	24.48	25.04	25.60