

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: P1585845

Luminaire Tested: 14CZSP-SB-65-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585845
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-L935
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 6200 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

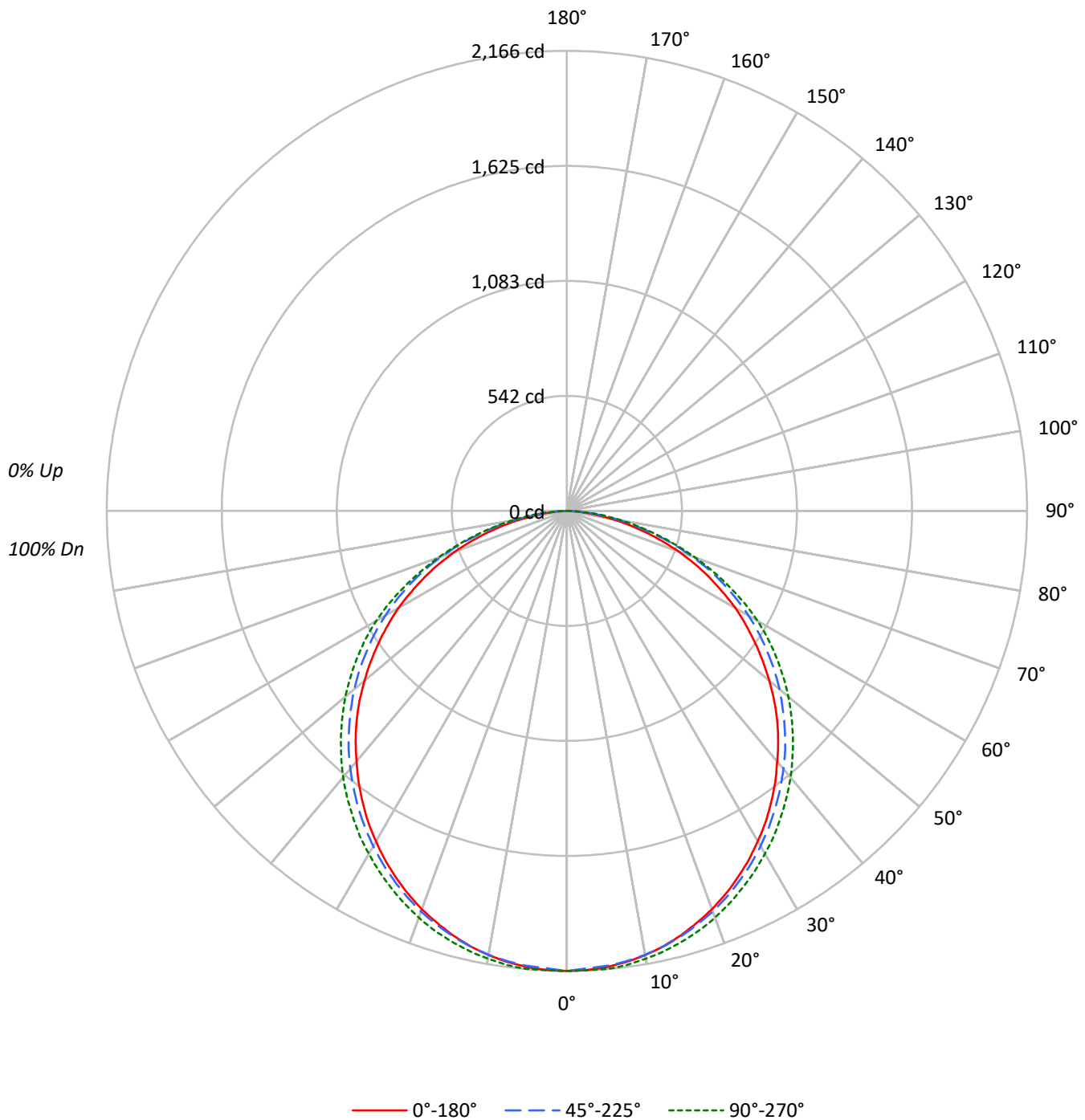
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6258.0 lumens
Efficiency: N/A
Efficacy: 128.2 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°	7299	7299	7299
5°	7293	7275	7324
10°	7267	7261	7325
15°	7220	7236	7321
20°	7157	7199	7309
25°	7078	7145	7279
30°	6990	7092	7253
35°	6893	7034	7227
40°	6773	6975	7209
45°	6675	6912	7169
50°	6516	6847	7136
55°	6349	6757	7080
60°	6178	6658	6986
65°	5901	6483	6720
70°	5506	6190	6341
75°	4906	5610	5774
80°	4005	4863	5107
85°	2648	3870	4148

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7169 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.2	3.3
10°-20°	587.7	9.4
20°-30°	889.8	14.2
30°-40°	1074.0	17.2
40°-50°	1121.6	17.9
50°-60°	1026.0	16.4
60°-70°	793.2	12.7
70°-80°	449.1	7.2
80°-90°	111.5	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°	1682.6	26.9
0°-40°	2756.6	44.0
0°-60°	4904.2	78.4
0°-90°	6258.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6258.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2166	2166	2166	2166	2166	
5°	2156	2172	2151	2153	2165	205
15°	2070	2088	2074	2084	2099	584
25°	1904	1928	1922	1940	1958	877
35°	1676	1699	1710	1739	1757	1048
45°	1401	1428	1450	1487	1504	1079
55°	1081	1113	1150	1186	1205	966
65°	740	771	813	837	843	730
75°	377	409	431	442	444	400
85°	68	79	100	105	107	88
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2166.2	2166.2	2166.2	2166.2	2166.2
2.5°	2163.5	2178.8	2155.3	2159.8	2164.4
5°	2156.2	2171.6	2150.8	2152.6	2165.3
7.5°	2142.7	2159.8	2138.2	2141.8	2157.1
10°	2123.8	2140.9	2122.0	2125.6	2140.9
12.5°	2099.5	2116.6	2100.4	2105.8	2122.9
15°	2069.7	2087.7	2074.2	2084.1	2098.6
17.5°	2033.6	2056.2	2041.8	2057.1	2071.5
20°	1995.8	2018.3	2007.5	2021.0	2038.2
22.5°	1952.5	1975.1	1966.9	1981.4	2000.3
25°	1903.8	1928.2	1921.9	1939.9	1957.9
27.5°	1853.4	1876.8	1875.0	1894.8	1913.8
30°	1796.6	1821.8	1822.7	1846.1	1864.2
32.5°	1739.8	1762.3	1767.7	1793.9	1814.6
35°	1675.8	1699.2	1710.0	1738.9	1756.9
37.5°	1610.9	1637.0	1648.7	1680.3	1699.2
40°	1539.7	1569.4	1585.6	1619.0	1638.8
42.5°	1472.1	1499.1	1520.7	1554.1	1572.1
45°	1400.8	1427.9	1450.4	1487.4	1504.5
47.5°	1324.2	1354.0	1378.3	1414.4	1433.3
50°	1243.1	1275.5	1306.2	1341.3	1361.2
52.5°	1162.9	1194.4	1229.6	1263.8	1283.6
55°	1080.8	1113.3	1150.2	1186.3	1205.2
57.5°	997.9	1030.3	1070.9	1103.4	1123.2
60°	916.8	946.5	988.0	1020.4	1036.7
62.5°	824.8	859.1	901.4	933.9	942.9
65°	740.1	770.7	813.1	837.4	842.8
67.5°	649.9	680.6	723.0	736.5	744.6
70°	558.9	591.3	628.3	637.3	643.6
72.5°	466.9	500.3	529.1	538.2	543.6
75°	376.8	409.3	430.9	441.7	443.5
77.5°	289.4	319.1	338.9	351.6	351.6
80°	206.4	229.0	250.6	264.1	263.2
82.5°	131.6	148.7	171.3	181.2	187.5
85°	68.5	79.3	100.1	104.6	107.3
87.5°	21.6	27.9	36.1	29.7	28.8
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	18.59	20.24	18.95	20.55	20.86	19.13	20.78	19.49	21.09	21.41
	3H	20.36	21.85	20.74	22.18	22.54	20.99	22.48	21.36	22.81	23.17
	4H	20.98	22.39	21.38	22.74	23.11	21.66	23.07	22.06	23.41	23.79
	6H	21.39	22.69	21.80	23.06	23.45	22.14	23.45	22.56	23.81	24.20
	8H	21.49	22.74	21.91	23.12	23.52	22.30	23.55	22.73	23.94	24.34
	12H	21.54	22.73	21.97	23.11	23.54	22.40	23.59	22.83	23.98	24.40
4H	2H	19.33	20.73	19.72	21.08	21.46	19.75	21.15	20.14	21.50	21.88
	3H	21.32	22.50	21.73	22.90	23.30	21.83	23.01	22.23	23.40	23.80
	4H	22.07	23.14	22.50	23.55	23.98	22.63	23.70	23.06	24.11	24.54
	6H	22.59	23.52	23.04	23.96	24.42	23.24	24.18	23.69	24.62	25.07
	8H	22.72	23.60	23.18	24.04	24.50	23.44	24.32	23.90	24.76	25.23
	12H	22.80	23.58	23.28	24.06	24.53	23.58	24.37	24.06	24.85	25.31
8H	4H	22.42	23.30	22.88	23.74	24.20	22.92	23.79	23.38	24.23	24.70
	6H	23.05	23.78	23.55	24.27	24.74	23.65	24.38	24.14	24.86	25.34
	8H	23.25	23.90	23.76	24.41	24.89	23.92	24.57	24.43	25.08	25.56
	12H	23.37	23.95	23.88	24.44	25.00	24.13	24.70	24.63	25.19	25.75
12H	4H	22.46	23.25	22.94	23.72	24.19	22.94	23.73	23.42	24.20	24.67
	6H	23.12	23.77	23.63	24.28	24.76	23.69	24.34	24.20	24.85	25.33
	8H	23.37	23.94	23.87	24.43	24.99	24.02	24.59	24.52	25.08	25.64