

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: P1584445

Luminaire Tested: 14CZSP-65-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584445
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2603-724-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-65-L935
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 6200 lumens, 90CRI, Ribbed Lens
Light Source: -
Ballast/Driver: -

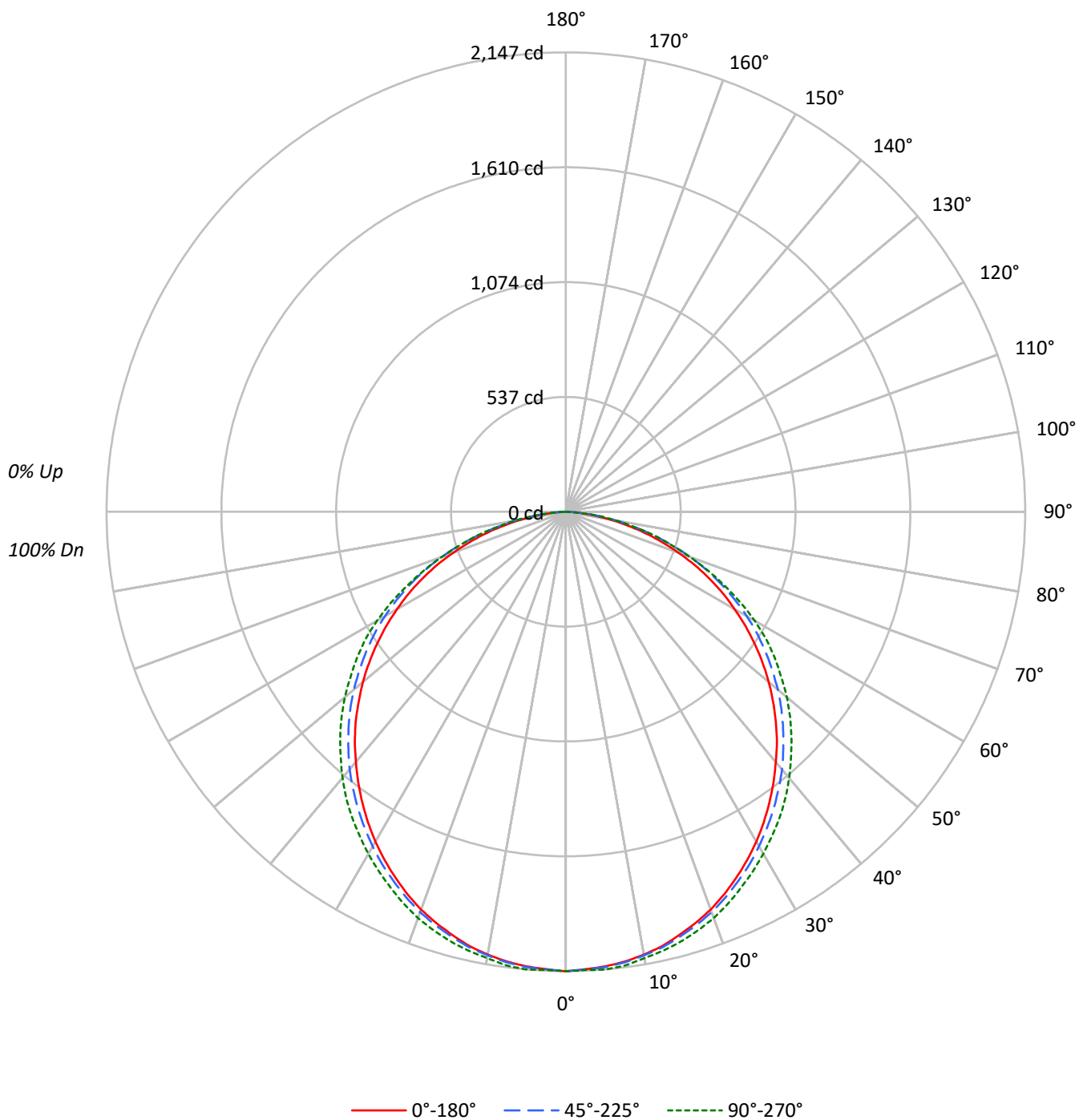
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6196.0 lumens
Efficiency: N/A
Efficacy: 127.0 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	80	75		82	77	73		79	75	72	69
3	90	79	71	64	87	78	70	64	75	68	63		72	66	62		69	65	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	58	53		62	56	52	50
5	76	63	53	47	73	61	53	46	59	52	46		57	51	45		55	50	45	43
6	70	56	47	41	68	55	47	41	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	59	46	38	32	44	37	32		43	36	31		42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29		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°	7235	7235	7235
5°	7213	7226	7263
10°	7190	7203	7247
15°	7145	7177	7254
20°	7094	7140	7246
25°	7014	7082	7205
30°	6926	7026	7183
35°	6823	6967	7171
40°	6715	6916	7143
45°	6618	6845	7108
50°	6490	6779	7068
55°	6335	6691	7003
60°	6140	6586	6871
65°	5902	6400	6532
70°	5538	6081	6081
75°	4975	5524	5549
80°	4098	4669	4669
85°	2842	3410	2981

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7108 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.4	3.3
10°-20°	582.5	9.4
20°-30°	881.7	14.2
30°-40°	1064.4	17.2
40°-50°	1112.0	17.9
50°-60°	1018.7	16.4
60°-70°	785.4	12.7
70°-80°	443.1	7.2
80°-90°	104.9	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°	1667.6	26.9
0°-40°	2732.0	44.1
0°-60°	4862.7	78.5
0°-90°	6196.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6196.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2147	2147	2147	2147	2147	
5°	2133	2147	2136	2140	2147	203
15°	2048	2061	2057	2074	2079	578
25°	1886	1903	1905	1931	1938	869
35°	1659	1681	1694	1730	1743	1038
45°	1389	1413	1436	1479	1492	1070
55°	1078	1106	1139	1181	1192	963
65°	740	764	803	830	819	732
75°	382	412	424	435	426	405
85°	74	83	88	94	77	93
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2147.3	2147.3	2147.3	2147.3	2147.3
2.5°	2140.0	2154.7	2140.0	2147.3	2143.7
5°	2132.6	2147.3	2136.3	2140.0	2147.3
7.5°	2119.8	2134.5	2123.5	2129.0	2138.1
10°	2101.4	2116.1	2105.1	2114.3	2117.9
12.5°	2079.4	2092.2	2084.9	2095.9	2101.4
15°	2048.1	2061.0	2057.3	2073.9	2079.4
17.5°	2015.1	2029.8	2026.1	2046.3	2051.8
20°	1978.3	1991.2	1991.2	2009.6	2020.6
22.5°	1934.3	1948.9	1950.8	1971.0	1982.0
25°	1886.5	1903.0	1904.9	1930.6	1937.9
27.5°	1835.1	1851.6	1858.9	1886.5	1893.8
30°	1780.0	1796.5	1805.7	1836.9	1846.1
32.5°	1721.2	1741.4	1750.6	1785.5	1794.6
35°	1658.7	1680.8	1693.6	1730.4	1743.2
37.5°	1594.4	1616.5	1633.0	1671.6	1686.3
40°	1526.5	1550.3	1572.4	1611.0	1623.8
42.5°	1460.3	1484.2	1504.4	1544.8	1557.7
45°	1388.7	1412.6	1436.5	1478.7	1491.6
47.5°	1313.4	1339.1	1366.7	1405.2	1421.8
50°	1238.1	1263.8	1293.2	1333.6	1348.3
52.5°	1159.1	1186.6	1216.0	1258.3	1269.3
55°	1078.3	1105.8	1138.9	1181.1	1192.1
57.5°	995.6	1025.0	1059.9	1100.3	1111.3
60°	911.1	940.5	977.2	1015.8	1019.5
62.5°	828.4	854.2	890.9	927.6	922.1
65°	740.3	764.1	802.7	830.3	819.3
67.5°	652.1	677.8	712.7	732.9	718.2
70°	562.1	589.6	617.2	631.9	617.2
72.5°	472.1	501.5	521.7	530.9	518.0
75°	382.1	411.5	424.3	435.3	426.2
77.5°	295.7	323.3	328.8	341.7	328.8
80°	211.2	237.0	240.6	253.5	240.6
82.5°	135.9	152.5	159.8	170.8	158.0
85°	73.5	82.7	88.2	93.7	77.1
87.5°	25.7	29.4	25.7	22.0	9.2
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	20.87	19.13	20.78	19.50	21.10	21.41
	3H	20.38	21.87	20.75	22.20	22.55	20.94	22.43	21.32	22.76	23.12
	4H	21.02	22.42	21.41	22.77	23.14	21.58	22.99	21.98	23.34	23.71
	6H	21.44	22.74	21.85	23.11	23.50	22.02	23.33	22.43	23.69	24.08
	8H	21.55	22.79	21.97	23.18	23.58	22.15	23.39	22.57	23.78	24.18
	12H	21.60	22.80	22.03	23.18	23.61	22.20	23.40	22.63	23.78	24.21
4H	2H	19.32	20.72	19.71	21.07	21.44	19.74	21.15	20.14	21.49	21.87
	3H	21.32	22.50	21.73	22.90	23.30	21.78	22.96	22.19	23.35	23.75
	4H	22.09	23.16	22.52	23.57	24.01	22.56	23.62	22.99	24.04	24.47
	6H	22.63	23.57	23.09	24.01	24.46	23.12	24.06	23.58	24.50	24.95
	8H	22.78	23.65	23.24	24.09	24.56	23.29	24.16	23.75	24.60	25.07
	12H	22.86	23.65	23.34	24.12	24.59	23.38	24.17	23.86	24.64	25.11
8H	4H	22.43	23.31	22.89	23.75	24.21	22.84	23.72	23.30	24.16	24.62
	6H	23.09	23.82	23.58	24.30	24.78	23.53	24.25	24.02	24.74	25.21
	8H	23.30	23.95	23.81	24.45	24.94	23.76	24.41	24.27	24.92	25.40
	12H	23.43	24.01	23.94	24.50	25.06	23.91	24.48	24.42	24.97	25.53
12H	4H	22.47	23.25	22.95	23.73	24.20	22.87	23.66	23.35	24.13	24.60
	6H	23.15	23.80	23.65	24.30	24.79	23.57	24.22	24.08	24.73	25.21
	8H	23.40	23.98	23.91	24.47	25.03	23.85	24.43	24.36	24.92	25.48