

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: P1584451

Luminaire Tested: 14CZSP-65-L950

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584451
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-L950
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 6200 lumens, 90CRI, Ribbed Lens
Light Source: -
Ballast/Driver: -

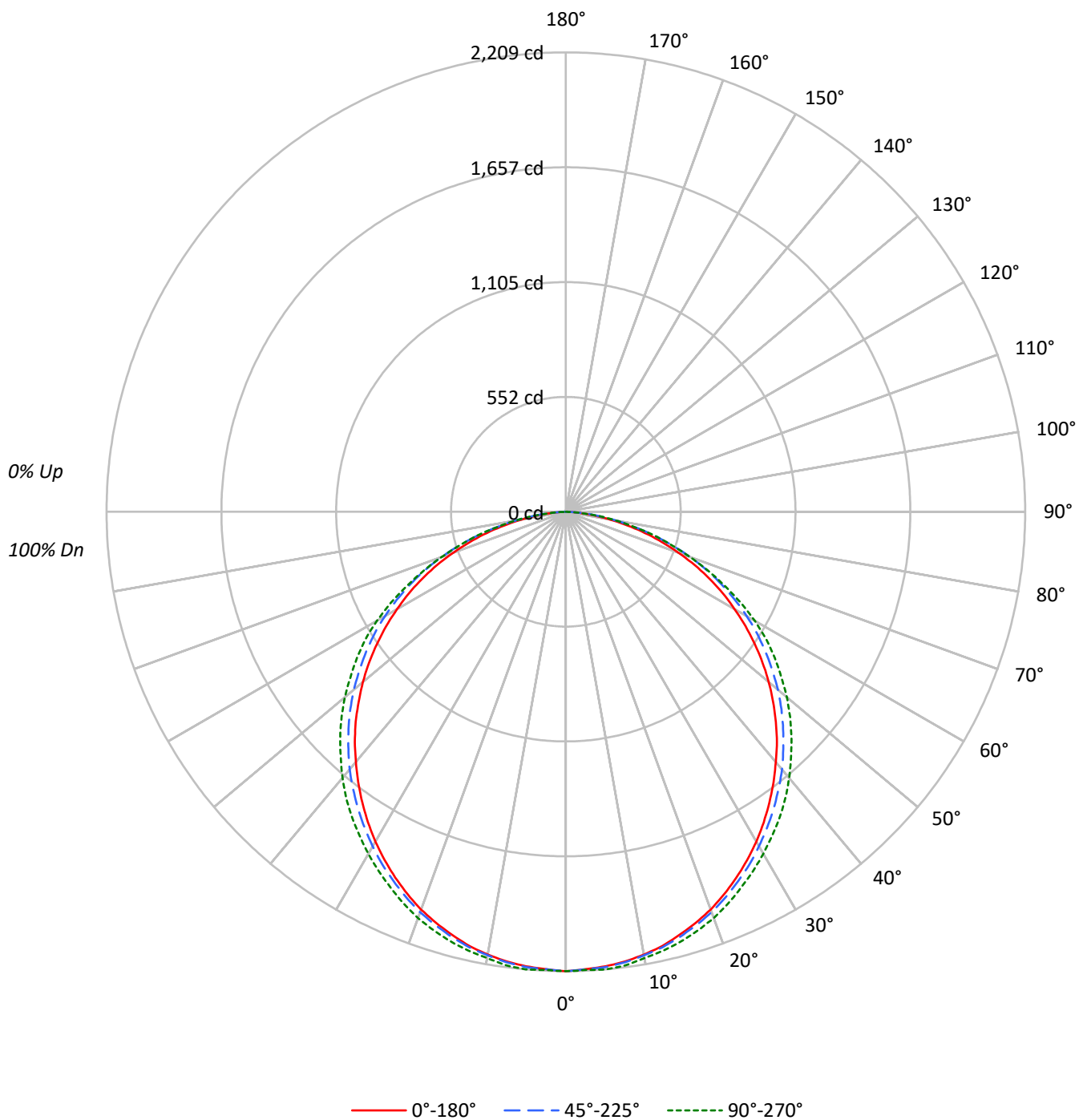
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6375.0 lumens
Efficiency: N/A
Efficacy: 130.6 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°	7445	7445	7445
5°	7422	7435	7473
10°	7398	7411	7456
15°	7351	7384	7463
20°	7299	7346	7455
25°	7216	7287	7413
30°	7126	7228	7390
35°	7020	7168	7378
40°	6909	7116	7349
45°	6809	7043	7313
50°	6677	6975	7272
55°	6517	6884	7206
60°	6317	6776	7069
65°	6073	6585	6721
70°	5697	6256	6256
75°	5118	5684	5709
80°	4217	4805	4805
85°	2923	3507	3070

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7313 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.3	3.3
10°-20°	599.4	9.4
20°-30°	907.1	14.2
30°-40°	1095.1	17.2
40°-50°	1144.1	17.9
50°-60°	1048.1	16.4
60°-70°	808.1	12.7
70°-80°	455.9	7.2
80°-90°	107.9	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°	1715.8	26.9
0°-40°	2810.9	44.1
0°-60°	5003.1	78.5
0°-90°	6375.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6375.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2209	2209	2209	2209	2209	
5°	2194	2209	2198	2202	2209	208
15°	2107	2120	2117	2134	2139	595
25°	1941	1958	1960	1986	1994	894
35°	1707	1729	1742	1780	1794	1068
45°	1429	1453	1478	1521	1535	1101
55°	1109	1138	1172	1215	1227	991
65°	762	786	826	854	843	753
75°	393	423	437	448	438	417
85°	76	85	91	96	79	95
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2209.4	2209.4	2209.4	2209.4	2209.4
2.5°	2201.8	2216.9	2201.8	2209.4	2205.6
5°	2194.2	2209.4	2198.0	2201.8	2209.4
7.5°	2181.0	2196.1	2184.8	2190.5	2199.9
10°	2162.1	2177.2	2165.9	2175.4	2179.1
12.5°	2139.4	2152.7	2145.1	2156.5	2162.1
15°	2107.3	2120.5	2116.8	2133.8	2139.4
17.5°	2073.3	2088.4	2084.6	2105.4	2111.1
20°	2035.5	2048.7	2048.7	2067.6	2079.0
22.5°	1990.1	2005.3	2007.1	2027.9	2039.3
25°	1941.0	1958.0	1959.9	1986.4	1993.9
27.5°	1888.1	1905.1	1912.6	1941.0	1948.6
30°	1831.4	1848.4	1857.8	1890.0	1899.4
32.5°	1770.9	1791.7	1801.1	1837.0	1846.5
35°	1706.6	1729.3	1742.5	1780.3	1793.6
37.5°	1640.5	1663.2	1680.2	1719.9	1735.0
40°	1570.6	1595.1	1617.8	1657.5	1670.7
42.5°	1502.5	1527.1	1547.9	1589.5	1602.7
45°	1428.8	1453.4	1478.0	1521.4	1534.7
47.5°	1351.3	1377.8	1406.1	1445.8	1462.8
50°	1273.8	1300.3	1330.5	1372.1	1387.2
52.5°	1192.6	1220.9	1251.2	1294.6	1306.0
55°	1109.4	1137.8	1171.8	1215.2	1226.6
57.5°	1024.4	1054.6	1090.5	1132.1	1143.4
60°	937.4	967.7	1005.5	1045.2	1048.9
62.5°	852.4	878.8	916.6	954.4	948.8
65°	761.7	786.2	825.9	854.3	842.9
67.5°	670.9	697.4	733.3	754.1	739.0
70°	578.3	606.7	635.0	650.1	635.0
72.5°	485.7	516.0	536.8	546.2	533.0
75°	393.1	423.4	436.6	447.9	438.5
77.5°	304.3	332.6	338.3	351.5	338.3
80°	217.3	243.8	247.6	260.8	247.6
82.5°	139.9	156.9	164.4	175.8	162.5
85°	75.6	85.0	90.7	96.4	79.4
87.5°	26.5	30.2	26.5	22.7	9.4
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	18.69	20.34	19.05	20.65	20.97	19.23	20.88	19.60	21.20	21.51
	3H	20.48	21.97	20.85	22.29	22.65	21.04	22.53	21.41	22.86	23.22
	4H	21.11	22.52	21.51	22.87	23.24	21.68	23.09	22.08	23.44	23.81
	6H	21.54	22.84	21.95	23.21	23.60	22.12	23.43	22.53	23.79	24.18
	8H	21.65	22.89	22.07	23.28	23.68	22.25	23.49	22.67	23.88	24.28
	12H	21.70	22.90	22.13	23.28	23.71	22.30	23.50	22.73	23.88	24.31
4H	2H	19.41	20.82	19.81	21.17	21.54	19.84	21.25	20.24	21.59	21.97
	3H	21.42	22.60	21.83	23.00	23.40	21.88	23.06	22.28	23.45	23.85
	4H	22.19	23.26	22.62	23.67	24.10	22.66	23.72	23.09	24.14	24.57
	6H	22.73	23.67	23.19	24.11	24.56	23.22	24.16	23.68	24.60	25.05
	8H	22.88	23.75	23.34	24.19	24.66	23.39	24.26	23.85	24.70	25.17
	12H	22.96	23.75	23.44	24.22	24.69	23.48	24.27	23.96	24.74	25.21
8H	4H	22.53	23.40	22.99	23.85	24.31	22.94	23.82	23.40	24.26	24.72
	6H	23.19	23.92	23.68	24.40	24.88	23.63	24.35	24.12	24.84	25.31
	8H	23.40	24.05	23.90	24.55	25.04	23.86	24.51	24.37	25.01	25.50
	12H	23.53	24.11	24.04	24.60	25.16	24.01	24.58	24.52	25.07	25.63
12H	4H	22.57	23.35	23.05	23.83	24.30	22.97	23.75	23.45	24.23	24.70
	6H	23.25	23.90	23.75	24.40	24.89	23.67	24.32	24.17	24.82	25.31
	8H	23.50	24.08	24.01	24.57	25.13	23.95	24.53	24.46	25.02	25.58