

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: P1584747

Luminaire Tested: 14CZSP-A-65-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584747
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-A-65-L940
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 6200 lumens, 90CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

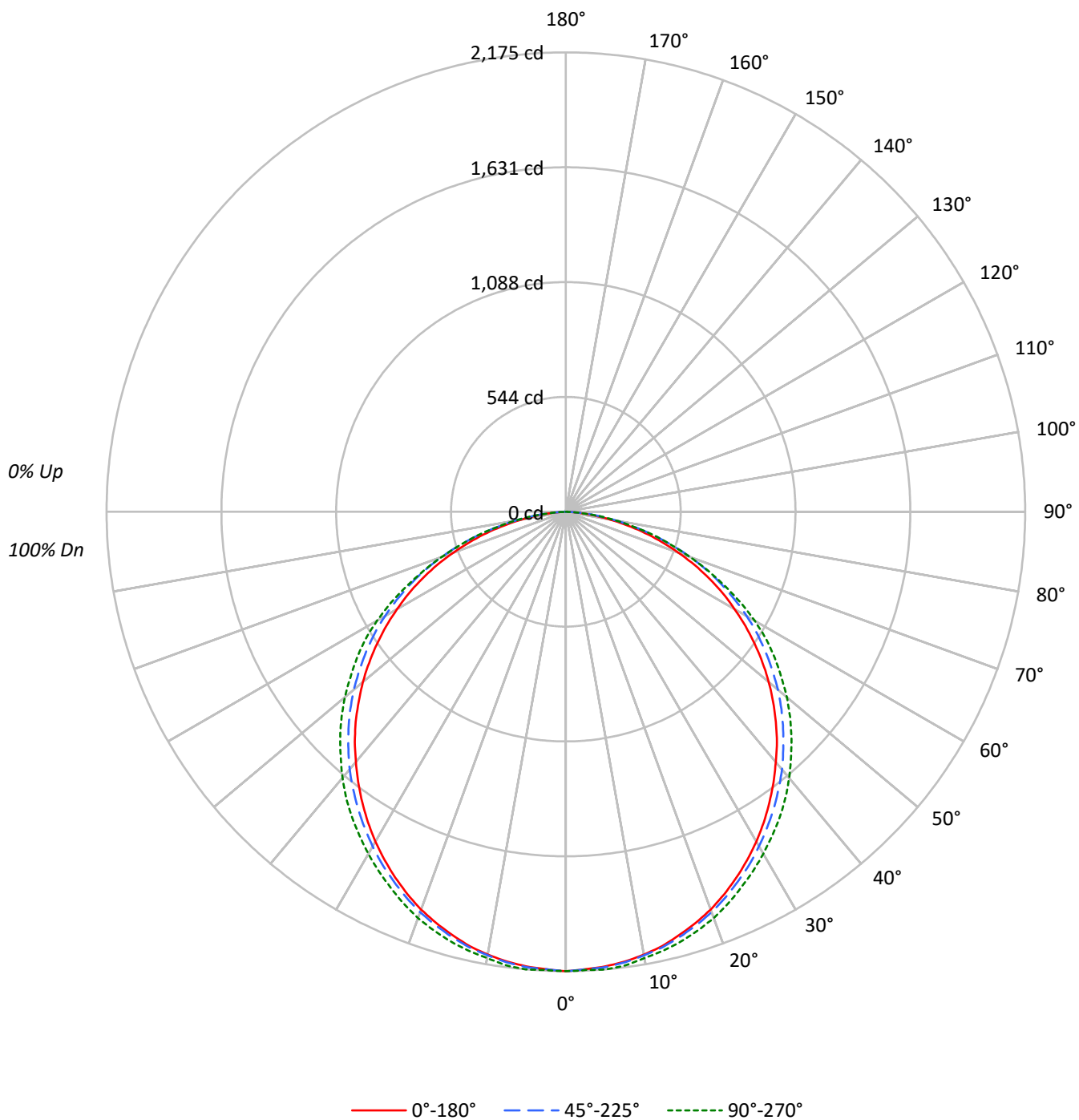
Lumens per Lamp: N/A
Luminaire Lumens: 6277.0 lumens
Efficiency: N/A
Efficacy: 128.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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°	7330	7330	7330
5°	7308	7320	7358
10°	7284	7297	7341
15°	7238	7271	7349
20°	7187	7233	7340
25°	7106	7175	7299
30°	7016	7118	7277
35°	6912	7058	7264
40°	6802	7007	7236
45°	6704	6934	7201
50°	6575	6868	7160
55°	6417	6778	7095
60°	6220	6672	6960
65°	5979	6484	6618
70°	5610	6160	6160
75°	5040	5597	5620
80°	4153	4731	4731
85°	2876	3452	3023

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7201 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.1	3.3
10°-20°	590.2	9.4
20°-30°	893.2	14.2
30°-40°	1078.3	17.2
40°-50°	1126.5	17.9
50°-60°	1032.0	16.4
60°-70°	795.6	12.7
70°-80°	448.9	7.2
80°-90°	106.3	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°	1689.4	26.9
0°-40°	2767.7	44.1
0°-60°	4926.2	78.5
0°-90°	6277.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6277.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2175	2175	2175	2175	2175	
5°	2160	2175	2164	2168	2175	205
15°	2075	2088	2084	2101	2107	586
25°	1911	1928	1930	1956	1963	881
35°	1680	1703	1716	1753	1766	1051
45°	1407	1431	1455	1498	1511	1084
55°	1092	1120	1154	1197	1208	976
65°	750	774	813	841	830	741
75°	387	417	430	441	432	410
85°	74	84	89	95	78	94
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2175.4	2175.4	2175.4	2175.4	2175.4
2.5°	2168.0	2182.8	2168.0	2175.4	2171.7
5°	2160.5	2175.4	2164.2	2168.0	2175.4
7.5°	2147.5	2162.4	2151.2	2156.8	2166.1
10°	2128.9	2143.8	2132.6	2141.9	2145.6
12.5°	2106.6	2119.6	2112.1	2123.3	2128.9
15°	2074.9	2087.9	2084.2	2101.0	2106.6
17.5°	2041.4	2056.3	2052.6	2073.1	2078.6
20°	2004.2	2017.2	2017.2	2035.8	2047.0
22.5°	1959.5	1974.4	1976.3	1996.8	2007.9
25°	1911.2	1927.9	1929.8	1955.8	1963.3
27.5°	1859.1	1875.8	1883.2	1911.2	1918.6
30°	1803.2	1820.0	1829.3	1860.9	1870.2
32.5°	1743.7	1764.1	1773.4	1808.8	1818.1
35°	1680.4	1702.7	1715.8	1753.0	1766.0
37.5°	1615.3	1637.6	1654.4	1693.4	1708.3
40°	1546.4	1570.6	1592.9	1632.0	1645.0
42.5°	1479.4	1503.6	1524.1	1565.0	1578.1
45°	1406.8	1431.0	1455.2	1498.0	1511.1
47.5°	1330.6	1356.6	1384.5	1423.6	1440.3
50°	1254.3	1280.3	1310.1	1351.0	1365.9
52.5°	1174.2	1202.1	1231.9	1274.7	1285.9
55°	1092.4	1120.3	1153.8	1196.6	1207.7
57.5°	1008.6	1038.4	1073.7	1114.7	1125.9
60°	923.0	952.8	990.0	1029.1	1032.8
62.5°	839.3	865.3	902.5	939.8	934.2
65°	749.9	774.1	813.2	841.1	830.0
67.5°	660.6	686.7	722.0	742.5	727.6
70°	569.4	597.4	625.3	640.2	625.3
72.5°	478.3	508.0	528.5	537.8	524.8
75°	387.1	416.8	429.9	441.0	431.7
77.5°	299.6	327.5	333.1	346.1	333.1
80°	214.0	240.1	243.8	256.8	243.8
82.5°	137.7	154.5	161.9	173.1	160.0
85°	74.4	83.7	89.3	94.9	78.2
87.5°	26.1	29.8	26.1	22.3	9.3
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	18.63	20.28	19.00	20.60	20.91	19.18	20.83	19.54	21.14	21.46
	3H	20.42	21.91	20.80	22.24	22.60	20.98	22.48	21.36	22.80	23.16
	4H	21.06	22.47	21.46	22.81	23.19	21.63	23.04	22.03	23.38	23.76
	6H	21.48	22.79	21.90	23.15	23.54	22.07	23.37	22.48	23.74	24.13
	8H	21.59	22.84	22.02	23.23	23.63	22.19	23.44	22.62	23.83	24.23
	12H	21.65	22.84	22.08	23.22	23.65	22.25	23.44	22.68	23.83	24.25
4H	2H	19.36	20.77	19.76	21.11	21.49	19.79	21.19	20.18	21.54	21.91
	3H	21.37	22.55	21.78	22.94	23.34	21.82	23.00	22.23	23.40	23.80
	4H	22.13	23.20	22.57	23.62	24.05	22.60	23.67	23.03	24.08	24.52
	6H	22.68	23.61	23.13	24.05	24.51	23.17	24.10	23.62	24.54	25.00
	8H	22.82	23.70	23.28	24.14	24.60	23.33	24.21	23.79	24.65	25.11
	12H	22.91	23.69	23.39	24.17	24.64	23.43	24.21	23.91	24.69	25.16
8H	4H	22.48	23.35	22.94	23.79	24.26	22.89	23.76	23.35	24.21	24.67
	6H	23.14	23.86	23.63	24.35	24.82	23.57	24.30	24.06	24.78	25.26
	8H	23.34	23.99	23.85	24.50	24.98	23.80	24.46	24.31	24.96	25.45
	12H	23.48	24.05	23.99	24.54	25.10	23.96	24.53	24.46	25.02	25.58
12H	4H	22.51	23.30	22.99	23.77	24.24	22.92	23.70	23.40	24.18	24.64
	6H	23.19	23.84	23.70	24.35	24.83	23.61	24.26	24.12	24.77	25.26
	8H	23.45	24.02	23.96	24.51	25.07	23.90	24.47	24.40	24.96	25.52