

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: P1584740

Luminaire Tested: 14CZSP-A-65-L850-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584740
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-A-65-L850-S
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 6200 lumens, 80CRI, Smooth Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

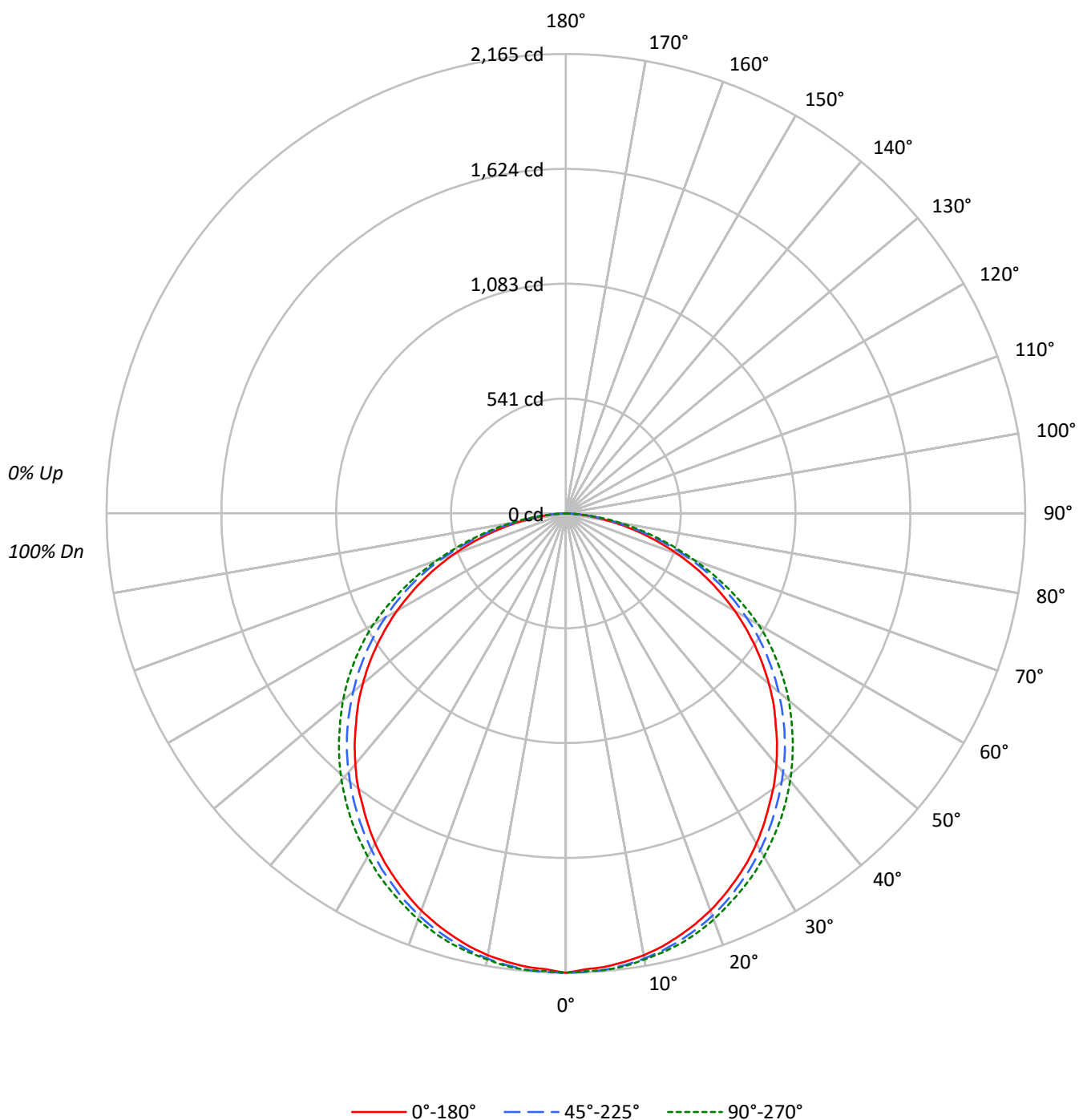
Lumens per Lamp: N/A
Luminaire Lumens: 6260.0 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1584740

CATALOG NUMBER: 14CZSP-A-65-L850-S

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	52		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	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°	7296	7296	7296
5°	7256	7302	7308
10°	7236	7289	7305
15°	7194	7267	7319
20°	7143	7239	7305
25°	7071	7184	7283
30°	6991	7127	7267
35°	6879	7065	7255
40°	6789	7008	7234
45°	6661	6946	7206
50°	6550	6864	7192
55°	6393	6766	7145
60°	6197	6632	7073
65°	5922	6450	6781
70°	5519	6091	6363
75°	4930	5494	5806
80°	4040	4630	5078
85°	2706	3383	3777

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7206 cd/sqm

TEST NUMBER: P1584740

CATALOG NUMBER: 14CZSP-A-65-L850-S

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.1	3.3
10°-20°	587.9	9.4
20°-30°	890.2	14.2
30°-40°	1075.1	17.2
40°-50°	1123.5	17.9
50°-60°	1029.5	16.4
60°-70°	794.7	12.7
70°-80°	447.0	7.1
80°-90°	106.9	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°	1683.2	26.9
0°-40°	2758.3	44.1
0°-60°	4911.3	78.5
0°-90°	6260.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6260.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2165	2165	2165	2165	2165	
5°	2145	2161	2159	2161	2161	204
15°	2062	2079	2083	2092	2098	582
25°	1902	1918	1932	1942	1959	876
35°	1672	1694	1718	1741	1764	1048
45°	1398	1425	1458	1487	1512	1080
55°	1088	1117	1152	1188	1216	972
65°	743	775	809	841	850	734
75°	379	414	422	440	446	401
85°	70	80	88	96	98	90
90°	0	0	0	0	0	



TEST NUMBER: P1584740

CATALOG NUMBER: 14CZSP-A-65-L850-S

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2165.3	2165.3	2165.3	2165.3	2165.3
2.5°	2150.6	2167.2	2163.5	2169.0	2158.9
5°	2145.1	2160.7	2158.9	2160.7	2160.7
7.5°	2131.2	2147.8	2146.9	2149.7	2151.5
10°	2114.7	2130.3	2130.3	2133.1	2134.9
12.5°	2091.6	2108.2	2110.1	2114.7	2118.3
15°	2062.1	2078.7	2083.3	2091.6	2098.1
17.5°	2029.0	2046.5	2053.8	2062.1	2070.4
20°	1992.1	2007.8	2018.8	2025.3	2037.3
22.5°	1948.8	1966.3	1978.3	1984.7	1997.6
25°	1901.8	1918.4	1932.2	1942.4	1958.9
27.5°	1852.1	1868.6	1885.2	1897.2	1916.6
30°	1796.8	1814.3	1831.8	1850.2	1867.7
32.5°	1736.9	1757.1	1776.5	1796.8	1816.1
35°	1672.4	1693.6	1717.5	1740.6	1763.6
37.5°	1612.5	1631.8	1656.7	1681.6	1704.6
40°	1543.4	1564.6	1593.1	1620.8	1644.7
42.5°	1473.4	1496.4	1527.7	1554.4	1580.2
45°	1397.8	1425.4	1457.7	1487.2	1512.1
47.5°	1327.8	1351.7	1384.0	1416.2	1442.0
50°	1249.4	1276.2	1309.3	1343.4	1372.0
52.5°	1170.2	1197.8	1231.9	1266.0	1295.5
55°	1088.2	1116.8	1151.8	1187.7	1216.3
57.5°	1004.3	1034.8	1070.7	1106.6	1135.2
60°	919.6	950.0	984.1	1023.7	1049.5
62.5°	831.1	865.2	897.5	934.3	950.0
65°	742.7	774.9	809.0	841.3	850.5
67.5°	652.4	685.5	715.9	737.1	749.1
70°	560.2	596.2	618.3	638.5	645.9
72.5°	469.0	504.9	517.8	537.2	544.6
75°	378.7	413.7	422.0	439.5	446.0
77.5°	291.2	323.4	326.2	346.5	352.0
80°	208.2	234.0	238.6	258.0	261.7
82.5°	133.6	152.0	158.5	175.1	180.6
85°	70.0	80.2	87.5	95.8	97.7
87.5°	23.0	28.6	24.0	24.9	23.0
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	18.62	20.27	18.98	20.58	20.90	19.16	20.81	19.52	21.12	21.44
	3H	20.39	21.89	20.77	22.21	22.57	21.01	22.51	21.39	22.83	23.19
	4H	21.02	22.43	21.42	22.77	23.15	21.68	23.09	22.08	23.44	23.81
	6H	21.43	22.73	21.84	23.10	23.49	22.16	23.46	22.57	23.83	24.22
	8H	21.53	22.78	21.96	23.17	23.56	22.31	23.55	22.73	23.94	24.34
	12H	21.58	22.78	22.01	23.16	23.59	22.39	23.58	22.82	23.96	24.39
4H	2H	19.34	20.75	19.74	21.10	21.47	19.76	21.17	20.16	21.52	21.89
	3H	21.34	22.52	21.75	22.91	23.31	21.84	23.02	22.24	23.41	23.81
	4H	22.09	23.16	22.52	23.57	24.01	22.63	23.70	23.06	24.11	24.55
	6H	22.62	23.55	23.07	24.00	24.45	23.23	24.17	23.69	24.61	25.06
	8H	22.76	23.63	23.22	24.08	24.54	23.43	24.30	23.88	24.74	25.21
	12H	22.84	23.62	23.32	24.10	24.57	23.55	24.33	24.03	24.81	25.28
8H	4H	22.43	23.30	22.89	23.75	24.21	22.91	23.78	23.37	24.22	24.69
	6H	23.07	23.80	23.56	24.28	24.76	23.62	24.35	24.11	24.83	25.31
	8H	23.27	23.92	23.78	24.43	24.91	23.88	24.53	24.39	25.03	25.52
	12H	23.40	23.97	23.91	24.46	25.02	24.06	24.63	24.57	25.12	25.68
12H	4H	22.47	23.25	22.95	23.73	24.20	22.93	23.72	23.41	24.19	24.66
	6H	23.13	23.78	23.63	24.28	24.77	23.66	24.31	24.17	24.81	25.30
	8H	23.38	23.95	23.88	24.44	25.00	23.96	24.54	24.47	25.03	25.59