

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: P1584432

Luminaire Tested: 14CZSP-65-L830-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584432
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-65-L830-S
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 6200 lumens, 80CRI, Smooth Lens
Light Source: -
Ballast/Driver: -

Summary

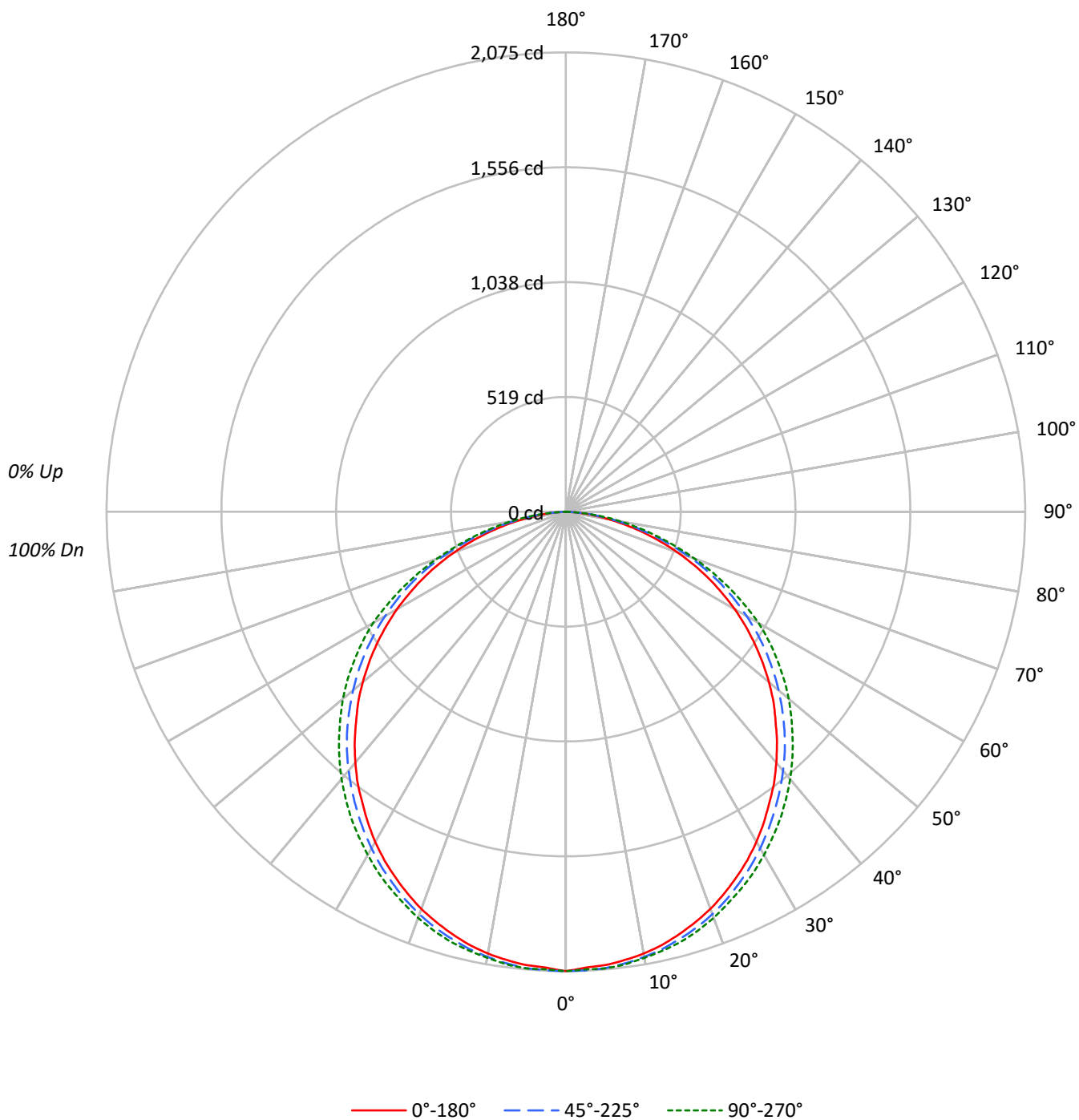
Lumens per Lamp: N/A
Luminaire Lumens: 5999.0 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	104	100	96	106	102	98	94	97	94	91		93	91	88		90
2	99	90	83	78	96	88	82	77	85	80	75		82	77	73		79
3	90	79	71	64	87	78	70	64	75	68	63		72	66	62		69
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62
5	76	63	53	47	73	61	53	46	59	52	46		57	51	45		55
6	70	56	47	41	68	55	47	41	53	46	40		52	45	40		50
7	65	51	42	36	63	50	42	36	49	41	35		47	40	35		46
8	60	46	38	32	59	46	38	32	44	37	32		43	36	31		42
9	56	43	34	29	55	42	34	29	41	34	28		40	33	28		39
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6992	6992	6992
5°	6953	6998	7004
10°	6934	6985	7000
15°	6894	6965	7014
20°	6846	6938	7001
25°	6776	6884	6980
30°	6700	6830	6964
35°	6593	6770	6952
40°	6506	6715	6933
45°	6383	6657	6905
50°	6277	6577	6892
55°	6126	6484	6848
60°	5939	6355	6778
65°	5674	6182	6498
70°	5290	5837	6098
75°	4725	5265	5564
80°	3873	4438	4867
85°	2594	3244	3619

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6905 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.5	3.3
10°-20°	563.4	9.4
20°-30°	853.1	14.2
30°-40°	1030.2	17.2
40°-50°	1076.7	17.9
50°-60°	986.6	16.4
60°-70°	761.6	12.7
70°-80°	428.4	7.1
80°-90°	102.5	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°	1613.1	26.9
0°-40°	2643.3	44.1
0°-60°	4706.6	78.5
0°-90°	5999.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5999.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2075	2075	2075	2075	2075	
5°	2056	2071	2069	2071	2071	195
15°	1976	1992	1996	2004	2011	558
25°	1822	1838	1852	1861	1877	840
35°	1603	1623	1646	1668	1690	1004
45°	1340	1366	1397	1425	1449	1035
55°	1043	1070	1104	1138	1166	932
65°	712	743	775	806	815	703
75°	363	396	404	421	427	385
85°	67	77	84	92	94	86
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2075.1	2075.1	2075.1	2075.1	2075.1
2.5°	2060.9	2076.8	2073.3	2078.6	2068.9
5°	2055.6	2070.6	2068.9	2070.6	2070.6
7.5°	2042.4	2058.3	2057.4	2060.0	2061.8
10°	2026.5	2041.5	2041.5	2044.2	2045.9
12.5°	2004.4	2020.3	2022.1	2026.5	2030.0
15°	1976.2	1992.1	1996.5	2004.4	2010.6
17.5°	1944.4	1961.2	1968.2	1976.2	1984.1
20°	1909.1	1924.1	1934.7	1940.8	1952.3
22.5°	1867.6	1884.3	1895.8	1902.0	1914.4
25°	1822.5	1838.4	1851.7	1861.4	1877.3
27.5°	1774.8	1790.7	1806.6	1818.1	1836.6
30°	1721.9	1738.6	1755.4	1773.1	1789.8
32.5°	1664.5	1683.9	1702.4	1721.9	1740.4
35°	1602.7	1623.0	1645.9	1668.0	1690.1
37.5°	1545.3	1563.8	1587.6	1611.5	1633.6
40°	1479.0	1499.3	1526.7	1553.2	1576.2
42.5°	1411.9	1434.0	1464.0	1489.6	1514.4
45°	1339.5	1366.0	1396.9	1425.2	1449.0
47.5°	1272.4	1295.4	1326.3	1357.2	1381.9
50°	1197.4	1223.0	1254.7	1287.4	1314.8
52.5°	1121.4	1147.9	1180.6	1213.2	1241.5
55°	1042.8	1070.2	1103.8	1138.2	1165.6
57.5°	962.5	991.6	1026.1	1060.5	1087.9
60°	881.2	910.4	943.0	981.0	1005.7
62.5°	796.5	829.1	860.0	895.4	910.4
65°	711.7	742.6	775.3	806.2	815.0
67.5°	625.2	657.0	686.1	706.4	717.9
70°	536.9	571.3	592.5	611.9	619.0
72.5°	449.4	483.9	496.2	514.8	521.9
75°	362.9	396.5	404.4	421.2	427.4
77.5°	279.0	309.9	312.6	332.0	337.3
80°	199.6	224.3	228.7	247.2	250.8
82.5°	128.0	145.7	151.9	167.8	173.1
85°	67.1	76.8	83.9	91.8	93.6
87.5°	22.1	27.4	23.0	23.8	22.1
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	18.47	20.12	18.83	20.43	20.75	19.01	20.66	19.37	20.97	21.29
	3H	20.25	21.74	20.62	22.06	22.42	20.87	22.36	21.24	22.69	23.05
	4H	20.87	22.28	21.27	22.63	23.00	21.53	22.94	21.93	23.29	23.66
	6H	21.28	22.58	21.69	22.95	23.34	22.01	23.32	22.42	23.68	24.07
	8H	21.38	22.63	21.81	23.02	23.42	22.16	23.40	22.58	23.79	24.19
	12H	21.43	22.63	21.86	23.01	23.44	22.24	23.44	22.67	23.82	24.25
4H	2H	19.19	20.60	19.59	20.95	21.32	19.62	21.02	20.01	21.37	21.75
	3H	21.19	22.37	21.60	22.77	23.17	21.69	22.87	22.10	23.27	23.66
	4H	21.95	23.01	22.38	23.43	23.86	22.48	23.55	22.91	23.96	24.40
	6H	22.47	23.41	22.93	23.85	24.30	23.09	24.02	23.54	24.46	24.91
	8H	22.61	23.49	23.07	23.93	24.39	23.28	24.15	23.74	24.59	25.06
	12H	22.69	23.48	23.17	23.95	24.42	23.40	24.18	23.88	24.66	25.13
8H	4H	22.28	23.16	22.74	23.60	24.06	22.76	23.63	23.22	24.08	24.54
	6H	22.92	23.65	23.42	24.14	24.61	23.47	24.20	23.97	24.69	25.16
	8H	23.12	23.77	23.63	24.28	24.76	23.73	24.38	24.24	24.89	25.37
	12H	23.25	23.83	23.76	24.32	24.88	23.91	24.49	24.42	24.98	25.54
12H	4H	22.32	23.11	22.80	23.58	24.05	22.78	23.57	23.26	24.04	24.51
	6H	22.98	23.63	23.49	24.14	24.62	23.51	24.16	24.02	24.67	25.15
	8H	23.23	23.80	23.74	24.29	24.85	23.82	24.39	24.32	24.88	25.44