

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: P1584492

Luminaire Tested: 14CZSP-75-L830-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584492
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-75-L830-S
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 7200 lumens, 80CRI, Smooth Lens
Light Source: -
Ballast/Driver: -

Summary

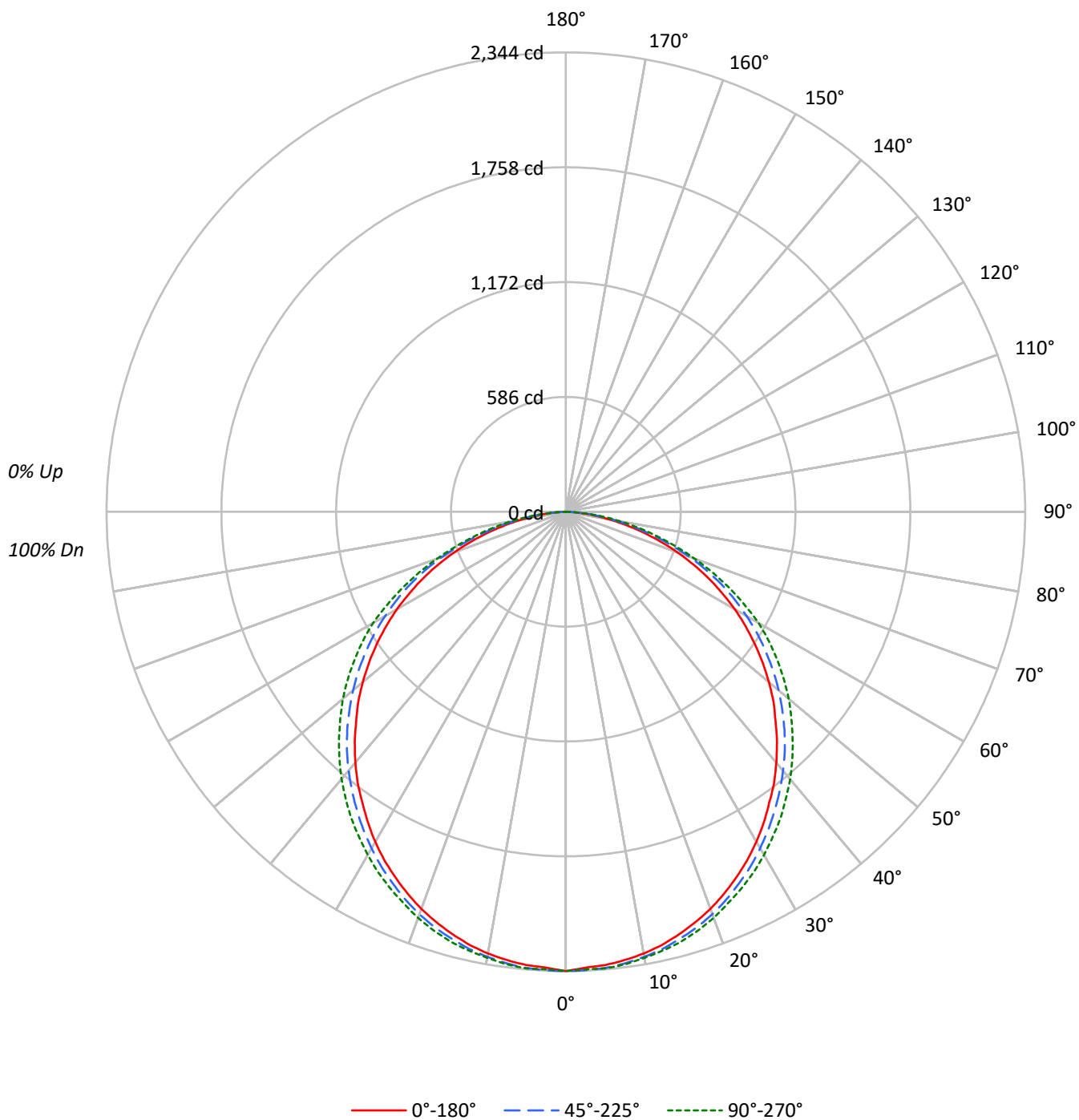
Lumens per Lamp: N/A
Luminaire Lumens: 6776.0 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 57.2
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°	7898	7898	7898
5°	7854	7904	7911
10°	7832	7890	7907
15°	7787	7867	7922
20°	7732	7836	7907
25°	7654	7776	7883
30°	7567	7715	7866
35°	7446	7647	7853
40°	7348	7586	7831
45°	7210	7519	7799
50°	7089	7430	7785
55°	6920	7324	7734
60°	6708	7179	7656
65°	6410	6982	7340
70°	5974	6593	6889
75°	5337	5947	6284
80°	4374	5012	5497
85°	2931	3665	4087

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7799 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.0	3.3
10°-20°	636.4	9.4
20°-30°	963.6	14.2
30°-40°	1163.7	17.2
40°-50°	1216.1	17.9
50°-60°	1114.4	16.4
60°-70°	860.2	12.7
70°-80°	483.9	7.1
80°-90°	115.8	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°	1822.0	26.9
0°-40°	2985.6	44.1
0°-60°	5316.1	78.5
0°-90°	6776.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6776.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2344	2344	2344	2344	2344	
5°	2322	2339	2337	2339	2339	221
15°	2232	2250	2255	2264	2271	630
25°	2059	2076	2092	2102	2120	949
35°	1810	1833	1859	1884	1909	1134
45°	1513	1543	1578	1610	1637	1169
55°	1178	1209	1247	1286	1316	1052
65°	804	839	876	911	921	794
75°	410	448	457	476	483	435
85°	76	87	95	104	106	97
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2343.8	2343.8	2343.8	2343.8	2343.8
2.5°	2327.9	2345.8	2341.8	2347.8	2336.8
5°	2321.9	2338.8	2336.8	2338.8	2338.8
7.5°	2306.9	2324.9	2323.9	2326.9	2328.9
10°	2289.0	2305.9	2305.9	2308.9	2310.9
12.5°	2264.0	2282.0	2284.0	2289.0	2293.0
15°	2232.1	2250.1	2255.1	2264.0	2271.0
17.5°	2196.2	2215.2	2223.1	2232.1	2241.1
20°	2156.3	2173.3	2185.2	2192.2	2205.2
22.5°	2109.4	2128.4	2141.4	2148.3	2162.3
25°	2058.6	2076.5	2091.5	2102.5	2120.4
27.5°	2004.7	2022.7	2040.6	2053.6	2074.5
30°	1944.9	1963.8	1982.8	2002.7	2021.7
32.5°	1880.0	1902.0	1922.9	1944.9	1965.8
35°	1810.2	1833.2	1859.1	1884.0	1909.0
37.5°	1745.4	1766.3	1793.3	1820.2	1845.1
40°	1670.6	1693.5	1724.5	1754.4	1780.3
42.5°	1594.8	1619.7	1653.6	1682.6	1710.5
45°	1513.0	1542.9	1577.8	1609.8	1636.7
47.5°	1437.2	1463.1	1498.1	1533.0	1560.9
50°	1352.4	1381.4	1417.3	1454.2	1485.1
52.5°	1266.7	1296.6	1333.5	1370.4	1402.3
55°	1177.9	1208.8	1246.7	1285.6	1316.5
57.5°	1087.1	1120.0	1158.9	1197.8	1228.8
60°	995.4	1028.3	1065.2	1108.1	1136.0
62.5°	899.6	936.5	971.4	1011.3	1028.3
65°	803.9	838.8	875.7	910.6	920.6
67.5°	706.1	742.0	775.0	797.9	810.9
70°	606.4	645.3	669.2	691.2	699.2
72.5°	507.7	546.6	560.5	581.5	589.4
75°	409.9	447.8	456.8	475.7	482.7
77.5°	315.2	350.1	353.1	375.0	381.0
80°	225.4	253.3	258.3	279.3	283.3
82.5°	144.6	164.6	171.5	189.5	195.5
85°	75.8	86.8	94.8	103.7	105.7
87.5°	24.9	30.9	25.9	26.9	24.9
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	18.89	20.54	19.26	20.86	21.17	19.43	21.08	19.80	21.40	21.71
	3H	20.67	22.16	21.04	22.49	22.85	21.29	22.78	21.67	23.11	23.47
	4H	21.29	22.70	21.69	23.05	23.42	21.96	23.36	22.36	23.71	24.09
	6H	21.70	23.01	22.11	23.37	23.76	22.43	23.74	22.85	24.10	24.49
	8H	21.81	23.05	22.23	23.44	23.84	22.58	23.83	23.00	24.22	24.61
	12H	21.86	23.05	22.29	23.43	23.86	22.66	23.86	23.09	24.24	24.67
4H	2H	19.62	21.02	20.01	21.37	21.75	20.04	21.45	20.44	21.79	22.17
	3H	21.61	22.79	22.02	23.19	23.59	22.11	23.29	22.52	23.69	24.09
	4H	22.37	23.44	22.80	23.85	24.28	22.91	23.98	23.34	24.39	24.82
	6H	22.90	23.83	23.35	24.27	24.72	23.51	24.44	23.96	24.88	25.34
	8H	23.04	23.91	23.50	24.35	24.82	23.70	24.57	24.16	25.02	25.48
	12H	23.11	23.90	23.59	24.37	24.84	23.82	24.61	24.30	25.08	25.55
8H	4H	22.71	23.58	23.16	24.02	24.49	23.18	24.06	23.64	24.50	24.96
	6H	23.35	24.07	23.84	24.56	25.03	23.90	24.62	24.39	25.11	25.58
	8H	23.55	24.20	24.05	24.70	25.19	24.15	24.80	24.66	25.31	25.79
	12H	23.68	24.25	24.18	24.74	25.30	24.33	24.91	24.84	25.40	25.96
12H	4H	22.74	23.53	23.22	24.00	24.47	23.21	23.99	23.69	24.47	24.94
	6H	23.40	24.05	23.91	24.56	25.04	23.93	24.58	24.44	25.09	25.58
	8H	23.65	24.23	24.16	24.72	25.28	24.24	24.81	24.75	25.30	25.86