

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: P1588302

Luminaire Tested: 24CZSP-47-L930-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1588302
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CZSP-47-L930-S
Description: 2x4 CZSP LED Luminaire, 3000K CCT and 4000 lumens, 90CRI, Smooth Lens
Light Source: -
Ballast/Driver: -

Summary

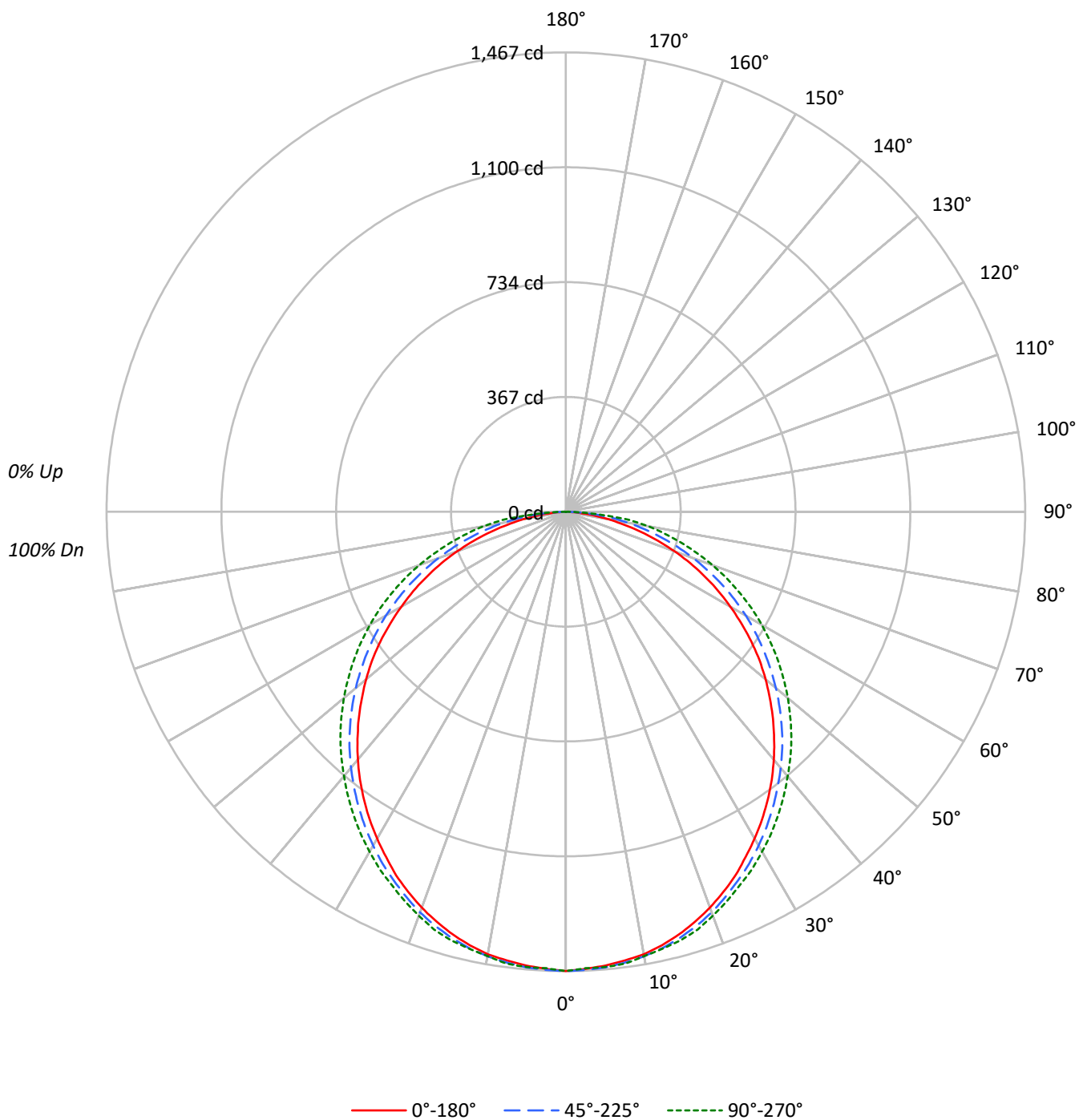
Lumens per Lamp: N/A
Luminaire Lumens: 4282.0 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 32.2
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

TEST NUMBER: P1588302

CATALOG NUMBER: 24CZSP-47-L930-S

Luminous Intensity Polar Plot



TEST NUMBER: P1588302

CATALOG NUMBER: 24CZSP-47-L930-S

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83		
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69		
3	89	79	70	64	87	77	69	63	74	67	62	71	65	61	69	64	60	57		
4</																				

TEST NUMBER: P1588302

CATALOG NUMBER: 24CZSP-47-L930-S

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.7	3.2
10°-20°	397.2	9.3
20°-30°	599.0	14.0
30°-40°	721.5	16.8
40°-50°	753.5	17.6
50°-60°	692.0	16.2
60°-70°	545.0	12.7
70°-80°	334.4	7.8
80°-90°	100.6	2.3
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°	1134.9	26.5
0°-40°	1856.4	43.4
0°-60°	3301.9	77.1
0°-90°	4282.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4282.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°
--	----	-------

TEST NUMBER: P1588302

CATALOG NUMBER: 24CZSP-47-L930-S

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1466.7	1466.7	1466.7	1466.7	1466.7
2.5°	1461.1	1463.9	1464.8	1465.8	1459.2
5°	1454.5	1456.4	1460.1	1464.8	1459.2
7.5°	1445.1	1447.0	1451.7	1458.2	1455.4
10°	1434.8	1435.7	1441.3	1446.0	1440.4
12.5°	1417.8	1420.7	1427.2	1431.0	1429.1
15°	1397.2	1400.0	1408.4	1416.9	1416.9
17.5°	1372.7	1376.5	1386.8	1398.1	1399.0
20°	1345.5	1348.3	1361.5	1372.7	1372.7
22.5°	1314.5	1318.2	1331.4	1343.6	1345.5
25°	1281.6	1284.4	1299.5	1315.4	1315.4
27.5°	1243.1	1248.7	1267.5	1283.5	1287.2
30°	1205.5	1210.2	1230.9	1250.6	1253.4
32.5°	1166.0	1171.7	1193.3	121	

TEST NUMBER: P1588302

CATALOG NUMBER: 24CZSP-47-L930-S

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	14.29	15.95	14.65	16.27	16.58	15.12	16.78	15.48	17.10	17.41
	3H	16.05	17.55	16.42	17.88	18.24	17.24	18.74	17.61	19.07	19.43
	4H	16.66	18.09	17.06	18.43	18.81	18.13	19.55	18.52	19.90	20.27
	6H	17.07	18.40	17.49	18.76	19.15	18.91	20.23	19.32	20.59	20.98
	8H	17.18									