

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: IRiS

Report Number: P1249201

Luminaire Tested: P3AS13R209027DE010 E3DLD1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249201
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R209027DE010 E3DLD1H
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3DLD1H TRIM
Light Source: -
Ballast/Driver: -

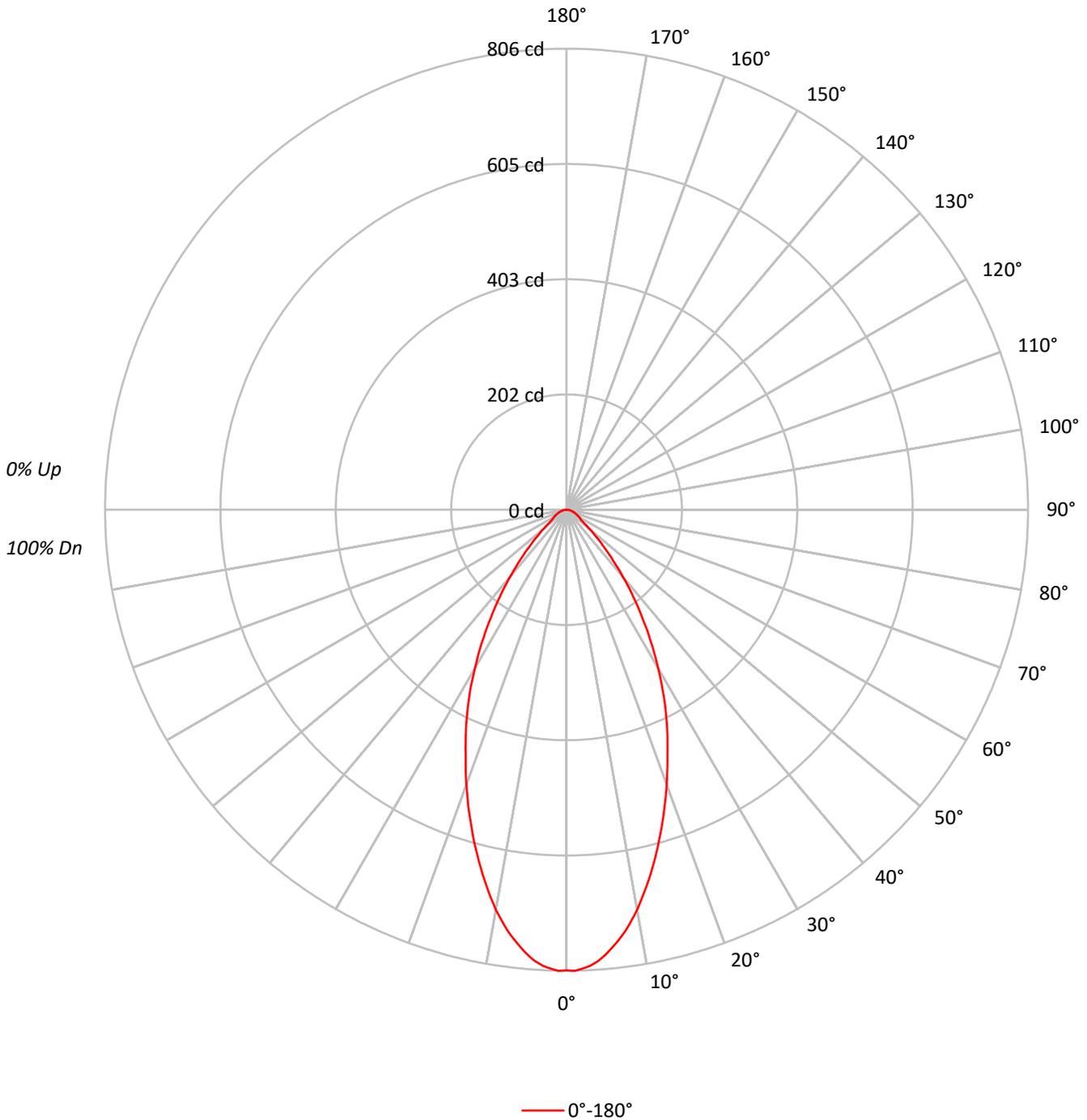
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 713.9 lumens
Efficiency: N/A
Efficacy: 48.9 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.83
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1249201
CATALOG NUMBER: P3AS13R209027DE010 E3DLD1H

Luminous Intensity Polar Plot





TEST NUMBER: P1249201
 CATALOG NUMBER: P3AS13R209027DE010 E3DLD1H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91			91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	90	87	85	83			83
3	100	93	87	82	98	91	86	82	88	84	80	86	82	79	84	81	78	76			76
4	94	86	79	75	92	85	79	74	82	77	73	80	76	72	78	75	72	70			70
5	89	80	73	68	87	79	73	68	77	71	67	75	70	67	73	69	66	65			65
6	84	74	68	63	82	73	67	63	72	66	62	70	65	62	69	65	61	60			60
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	60	57	55			55
8	75	65	59	54	74	64	58	54	63	58	54	62	57	53	61	57	53	52			52
9	72	61	55	50	70	61	55	50	60	54	50	59	54	50	58	53	50	48			48
10	68	58	51	47	67	57	51	47	56	51	47	56	51	47	55	50	47	45			45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	176609
5°	171890
10°	158136
15°	139184
20°	119360
25°	100288
30°	81076
35°	61676
40°	43882
45°	28964
50°	17944
55°	11775
60°	10745
65°	9858
70°	9296
75°	8472
80°	7956
85°	6793

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 28964 cd/sqm



TEST NUMBER: P1249201
 CATALOG NUMBER: P3AS13R209027DE010 E3DLD1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.2	10.1
10°-20°	170.7	23.9
20°-30°	189.4	26.5
30°-40°	144.5	20.2
40°-50°	74.0	10.4
50°-60°	30.4	4.3
60°-70°	18.9	2.7
70°-80°	10.7	1.5
80°-90°	3.1	0.4
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°	432.4	60.6
0°-40°	576.9	80.8
0°-60°	681.3	95.4
0°-90°	713.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	713.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	805	
5°	781	72
15°	613	171
25°	414	189
35°	230	145
45°	93	74
55°	31	30
65°	19	19
75°	10	11
85°	3	3
90°	0	



TEST NUMBER: P1249201
CATALOG NUMBER: P3AS13R209027DE010 E3DLD1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	805.4
1°	806.3
2°	802.7
3°	798.1
4°	790.9
5°	780.9
6°	769.1
7°	756.4
8°	742.8
9°	726.5
10°	710.2
12.5°	663.0
15°	613.1
17.5°	562.3
20°	511.5
22.5°	460.7
25°	414.5
27.5°	368.2
30°	320.2
32.5°	274.8
35°	230.4
37.5°	191.4
40°	153.3
42.5°	120.6
45°	93.4
47.5°	70.7
50°	52.6
52.5°	39.0
55°	30.8
57.5°	28.1
60°	24.5
62.5°	21.8
65°	19.0
67.5°	16.3
70°	14.5
72.5°	11.8
75°	10.0
77.5°	8.2
80°	6.3
82.5°	4.5
85°	2.7
87.5°	0.9
90°	0.0

(END OF REPORT)