

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: P1274716

Luminaire Tested: P3AS20R309830D010 E3DLD1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1274716
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R309830D010 E3DLD1LI
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3DLD1LI TRIM
Light Source: -
Ballast/Driver: -

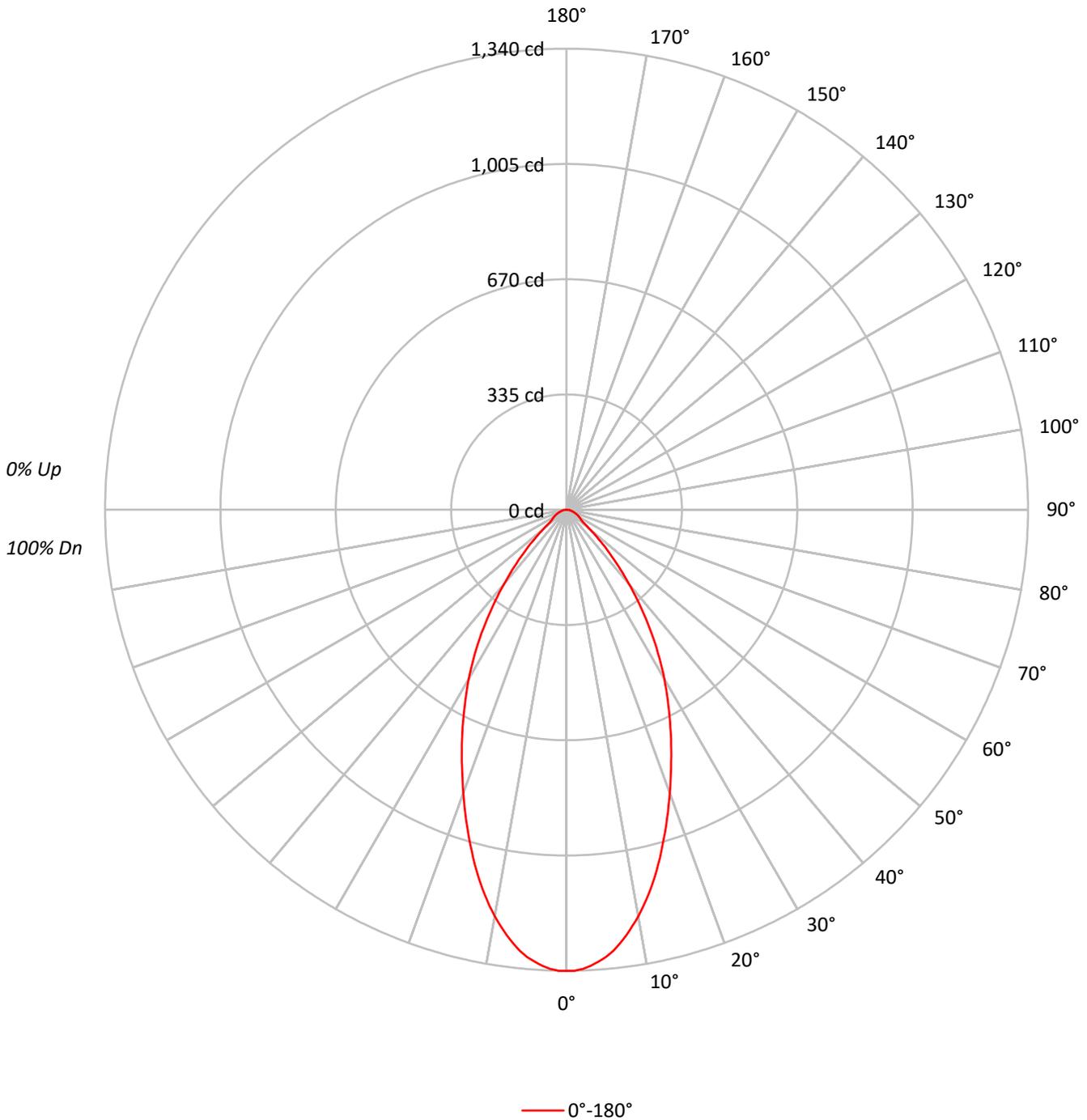
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1244.0 lumens
Efficiency: N/A
Efficacy: 45.4 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.85
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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: P1274716
CATALOG NUMBER: P3AS20R309830D010 E3DLD1LI

Luminous Intensity Polar Plot





TEST NUMBER: P1274716
 CATALOG NUMBER: P3AS20R309830D010 E3DLD1LI

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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91				91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83				83
3	100	92	87	82	98	91	86	82	88	84	80	86	82	79	84	80	78	76				76
4	94	85	79	74	92	84	79	74	82	77	73	80	76	72	78	74	71	70				70
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64				64
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59				59
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55				55
8	75	65	58	54	74	64	58	53	63	57	53	62	57	53	61	56	53	51				51
9	71	61	54	50	70	60	54	50	59	54	50	58	53	50	57	53	49	48				48
10	68	57	51	47	67	57	51	47	56	50	47	55	50	46	54	50	46	45				45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	293902
5°	287298
10°	267152
15°	237731
20°	204464
25°	173212
30°	143794
35°	112779
40°	80837
45°	53029
50°	30191
55°	19842
60°	18727
65°	17434
70°	15644
75°	14234
80°	13512
85°	11573

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 53029 cd/sqm



TEST NUMBER: P1274716
 CATALOG NUMBER: P3AS20R309830D010 E3DLD1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.2	9.7
10°-20°	291.1	23.4
20°-30°	328.1	26.4
30°-40°	262.0	21.1
40°-50°	134.7	10.8
50°-60°	50.7	4.1
60°-70°	33.2	2.7
70°-80°	17.9	1.4
80°-90°	5.2	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°	740.4	59.5
0°-40°	1002.4	80.6
0°-60°	1187.7	95.5
0°-90°	1244.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1244.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1340	
5°	1305	121
15°	1047	291
25°	716	328
35°	421	262
45°	171	135
55°	52	51
65°	34	33
75°	17	18
85°	5	5
90°	0	



TEST NUMBER: P1274716
CATALOG NUMBER: P3AS20R309830D010 E3DLD1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	1340.3
1°	1340.3
2°	1335.7
3°	1328.1
4°	1317.4
5°	1305.2
6°	1289.9
7°	1270.1
8°	1248.7
9°	1224.3
10°	1199.8
11°	1172.4
12°	1143.4
13°	1112.8
14°	1080.8
15°	1047.2
17.5°	961.7
20°	876.2
22.5°	793.8
25°	715.9
27.5°	639.6
30°	567.9
32.5°	494.6
35°	421.3
37.5°	349.6
40°	282.4
42.5°	222.9
45°	171.0
47.5°	126.7
50°	88.5
52.5°	62.6
55°	51.9
57.5°	47.3
60°	42.7
62.5°	38.2
65°	33.6
67.5°	29.0
70°	24.4
72.5°	19.8
75°	16.8
77.5°	13.7
80°	10.7
82.5°	7.6
85°	4.6
87.5°	1.5



TEST NUMBER: P1274716
CATALOG NUMBER: P3AS20R309830D010 E3DLD1LI

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)