

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: P1270545

Luminaire Tested: P3AS20R309740D010 E3DL1WH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270545
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R309740D010 E3DL1WH
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3DL1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

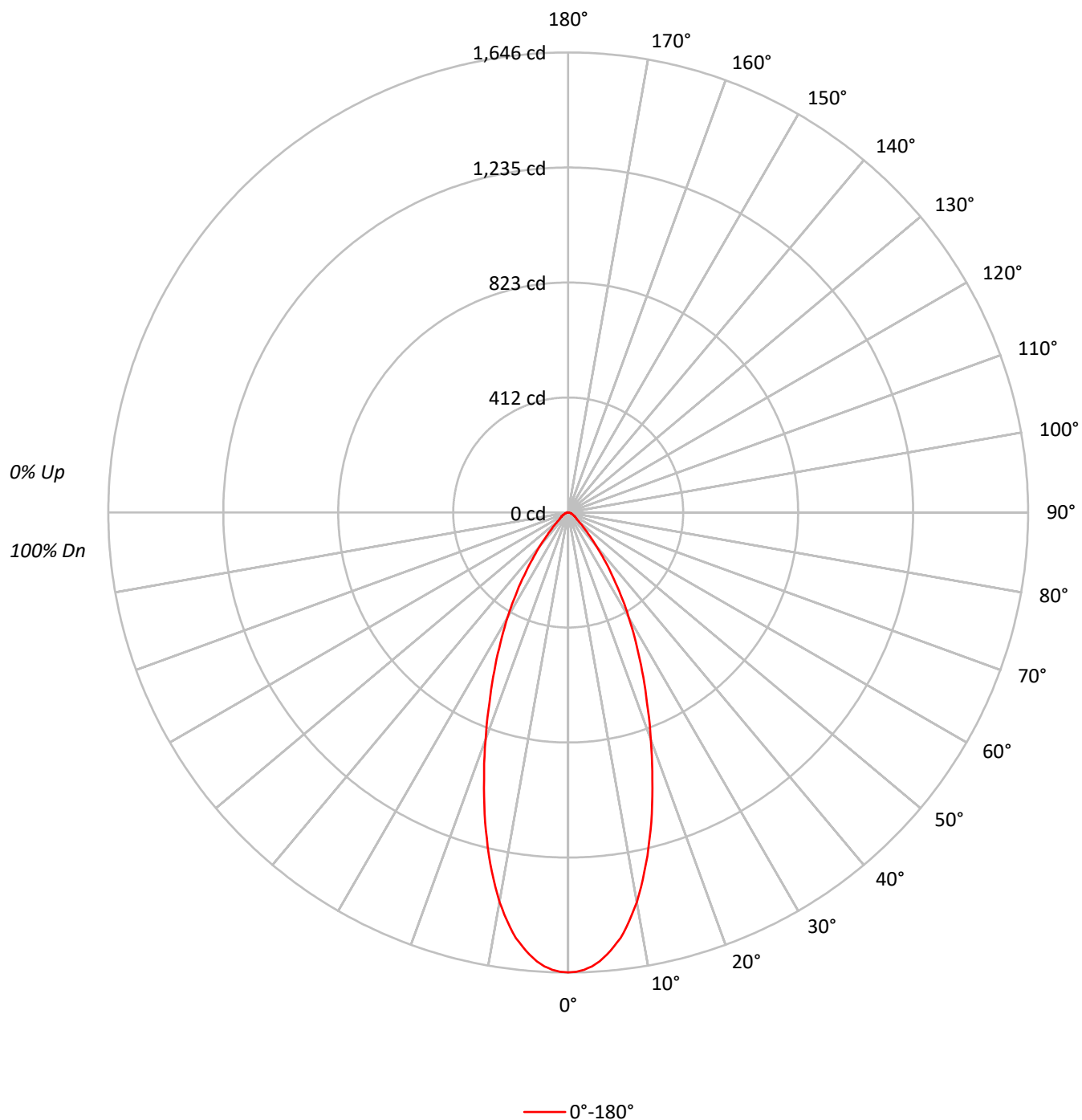
Lumens per Lamp: N/A
Luminaire Lumens: 1056.0 lumens
Efficiency: N/A
Efficacy: 36.7 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.7
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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

TEST NUMBER: P1270545

CATALOG NUMBER: P3AS20R309740D010 E3DL1WH

Luminous Intensity Polar Plot



TEST NUMBER: P1270545

CATALOG NUMBER: P3AS20R309740D010 E3DL1WH

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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92
3	102	95	90	86	100	94	89	85	91	87	84		89	86	83		87
4	97	89	84	79	95	88	83	79	86	81	78		84	80	77		82
5	92	84	78	73	90	83	77	73	81	76	72		79	75	72		78
6	88	79	73	68	86	78	72	68	76	71	68		75	71	67		74
7	83	74	68	64	82	74	68	64	72	67	63		71	67	63		70
8	80	70	64	60	78	70	64	60	69	63	60		67	63	60		67
9	76	67	61	57	75	66	60	57	65	60	56		64	60	56		63
10	73	63	58	54	72	63	57	54	62	57	53		61	57	53		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	360848
5°	349614
10°	315024
15°	260569
20°	201758
25°	151339
30°	109865
35°	73214
40°	44999
45°	26390
50°	16204
55°	13151
60°	11490
65°	9340
70°	8399
75°	8303
80°	6188
85°	8303

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26390 cd/sqm

TEST NUMBER: P1270545

CATALOG NUMBER: P3AS20R309740D010 E3DL1WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.1	13.8
10°-20°	316.1	29.9
20°-30°	287.6	27.2
30°-40°	173.9	16.5
40°-50°	69.7	6.6
50°-60°	30.9	2.9
60°-70°	18.6	1.8
70°-80°	10.2	1.0
80°-90°	2.9	0.3
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°	749.8	71.0
0°-40°	923.7	87.5
0°-60°	1024.4	97.0
0°-90°	1056.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1056.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1646	
5°	1588	146
15°	1148	316
25°	626	288
35°	274	174
45°	85	70
55°	34	31
65°	18	19
75°	10	10
85°	3	3
90°	0	

TEST NUMBER: P1270545

CATALOG NUMBER: P3AS20R309740D010 E3DL1WH

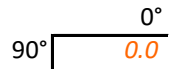
CANDELA DISTRIBUTION (FULL):

0°	
0°	1645.6
1°	1644.0
2°	1637.4
3°	1626.0
4°	1609.6
5°	1588.3
6°	1562.1
7°	1534.3
8°	1498.3
9°	1457.3
10°	1414.8
11°	1365.6
12°	1313.2
13°	1260.8
14°	1203.5
15°	1147.8
17.5°	1002.1
20°	864.6
22.5°	736.8
25°	625.5
27.5°	524.0
30°	433.9
32.5°	350.4
35°	273.5
37.5°	209.6
40°	157.2
42.5°	114.6
45°	85.1
47.5°	63.9
50°	47.5
52.5°	37.7
55°	34.4
57.5°	29.5
60°	26.2
62.5°	21.3
65°	18.0
67.5°	16.4
70°	13.1
72.5°	11.5
75°	9.8
77.5°	8.2
80°	4.9
82.5°	3.3
85°	3.3
87.5°	1.6



TEST NUMBER: P1270545
CATALOG NUMBER: P3AS20R309740D010 E3DL1WH

CANDELA DISTRIBUTION (continued):



(END OF REPORT)