

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: P1258193

Luminaire Tested: P3AS20R459040D010 E3DLP1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258193
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R459040D010 E3DLP1H
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 90CRI , E3DLP1H TRIM
Light Source: -
Ballast/Driver: -

Summary

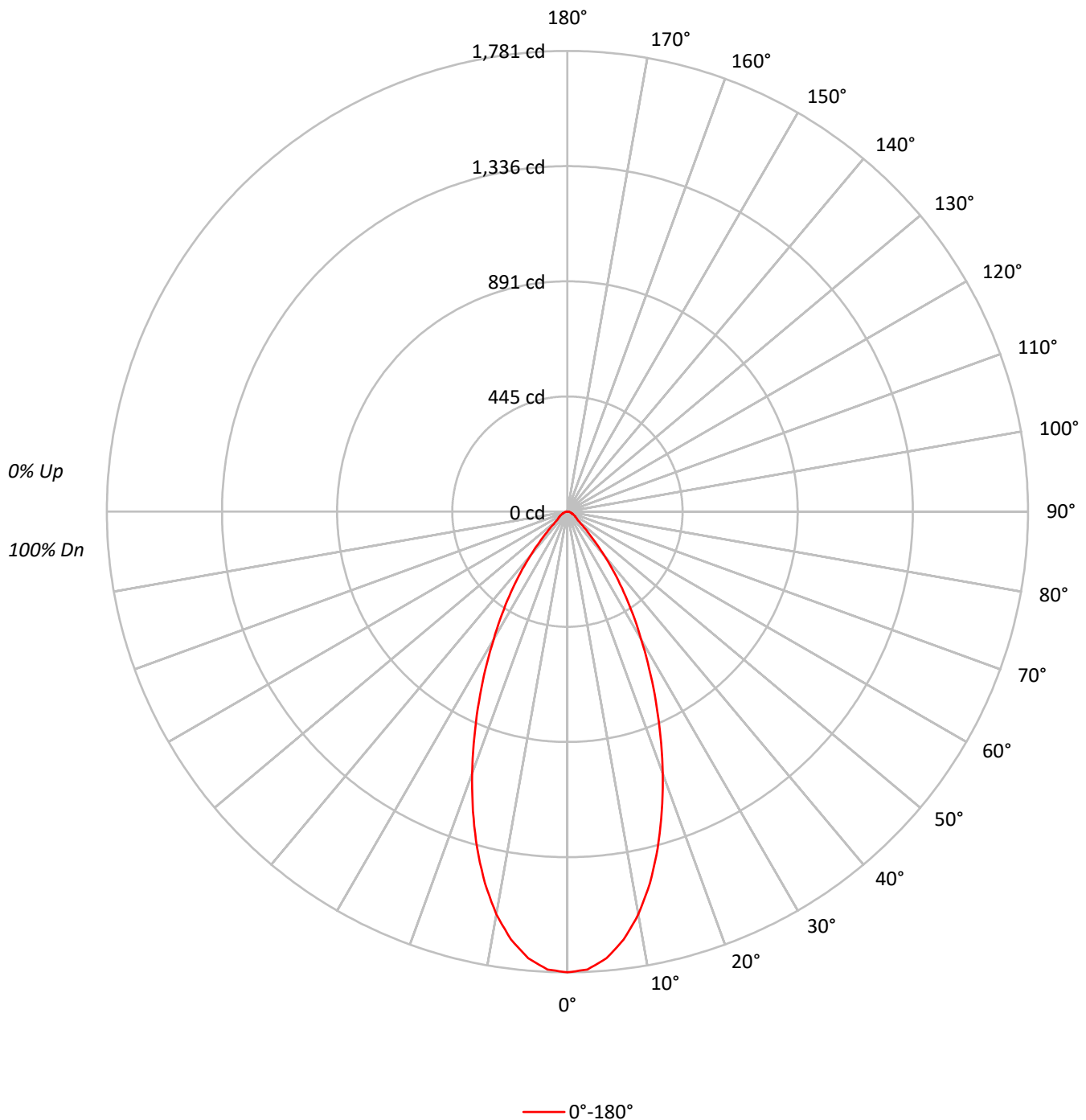
Lumens per Lamp: N/A
Luminaire Lumens: 1311.0 lumens
Efficiency: N/A
Efficacy: 45.5 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1258193

CATALOG NUMBER: P3AS20R459040D010 E3DLP1H

Luminous Intensity Polar Plot





TEST NUMBER: P1258193

CATALOG NUMBER: P3AS20R459040D010 E3DLP1H

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	107	105	111	108	106	103	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	102	95	90	85	100	93	89	85	91	87	83		88	85	82		86
4	96	88	83	78	94	87	82	78	85	81	77		83	79	76		81
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77
6	87	78	72	67	85	77	71	67	75	70	66		74	69	66		73
7	83	73	67	63	81	72	67	63	71	66	62		70	65	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	59	55		63	58	55		62
10	72	62	56	52	71	61	56	52	61	55	52		60	55	52		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	390495
5°	381597
10°	352009
15°	306086
20°	251462
25°	195640
30°	144478
35°	101670
40°	63462
45°	34360
50°	18592
55°	15980
60°	14341
65°	12245
70°	10515
75°	10760
80°	9218
85°	9057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 34360 cd/sqm

TEST NUMBER: P1258193

CATALOG NUMBER: P3AS20R459040D010 E3DLP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.6	12.2
10°-20°	372.7	28.4
20°-30°	370.0	28.2
30°-40°	238.3	18.2
40°-50°	91.8	7.0
50°-60°	37.3	2.8
60°-70°	23.6	1.8
70°-80°	12.7	1.0
80°-90°	4.0	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°	903.3	68.9
0°-40°	1141.7	87.1
0°-60°	1270.7	96.9
0°-90°	1311.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1311.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1781	
5°	1734	161
15°	1348	373
25°	809	370
35°	380	238
45°	111	92
55°	42	37
65°	24	24
75°	13	13
85°	4	4
90°	0	

TEST NUMBER: P1258193

CATALOG NUMBER: P3AS20R459040D010 E3DLP1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	1780.8
2.5°	1771.7
5°	1733.6
7.5°	1668.1
10°	1580.9
12.5°	1471.9
15°	1348.3
17.5°	1213.9
20°	1077.6
22.5°	939.5
25°	808.6
27.5°	685.1
30°	570.6
32.5°	470.6
35°	379.8
37.5°	298.0
40°	221.7
42.5°	159.9
45°	110.8
47.5°	74.5
50°	54.5
52.5°	45.4
55°	41.8
57.5°	36.3
60°	32.7
62.5°	27.3
65°	23.6
67.5°	20.0
70°	16.4
72.5°	14.5
75°	12.7
77.5°	9.1
80°	7.3
82.5°	5.5
85°	3.6
87.5°	1.8
90°	0.0

(END OF REPORT)