

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: P1270457

Luminaire Tested: P3AS20R159740D010 E3DLD1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270457
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R159740D010 E3DLD1GPH
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

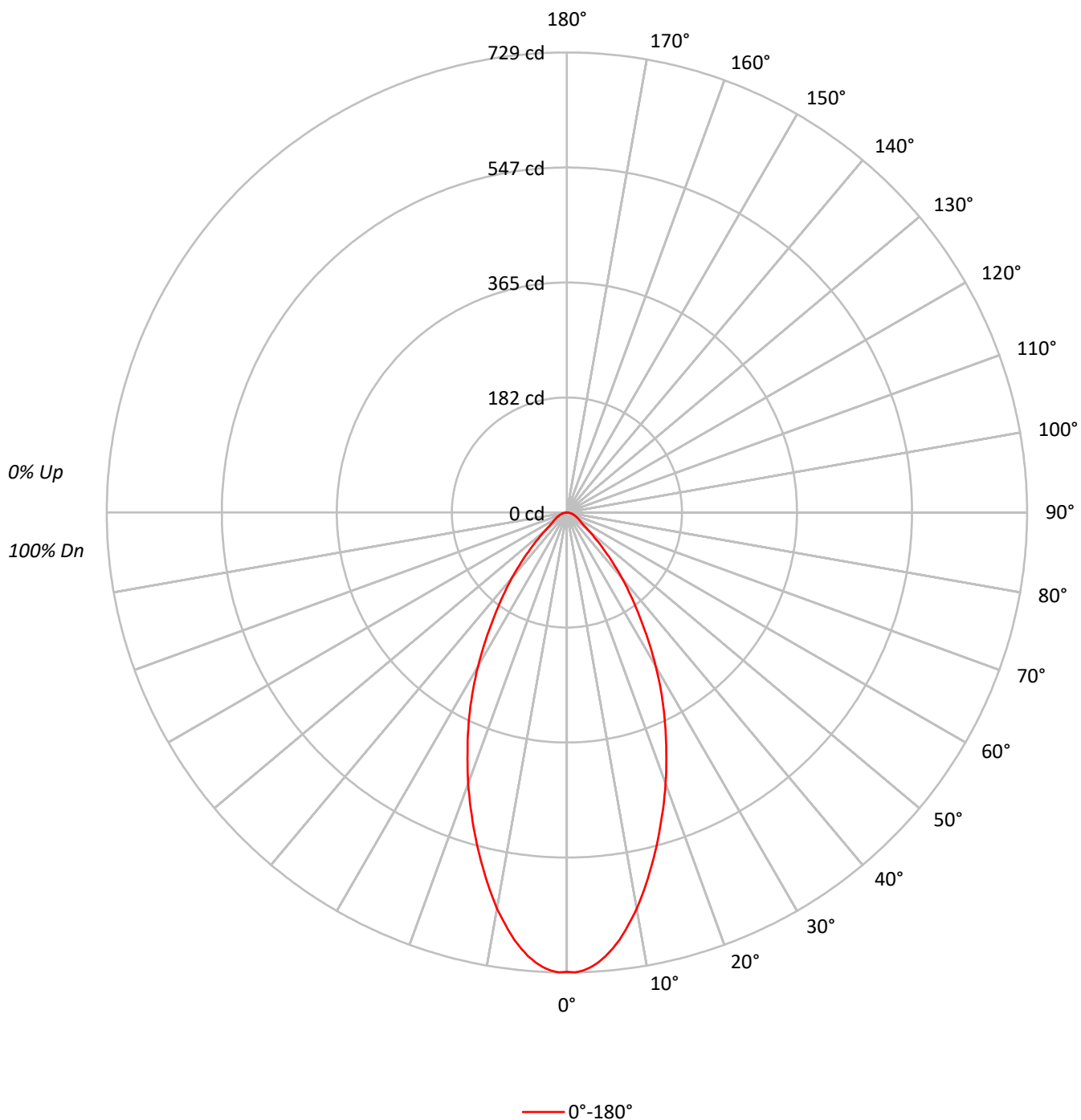
Lumens per Lamp: N/A
Luminaire Lumens: 633.0 lumens
Efficiency: N/A
Efficacy: 22.0 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1270457

CATALOG NUMBER: P3AS20R159740D010 E3DLD1GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1270457

CATALOG NUMBER: P3AS20R159740D010 E3DLD1GPH

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	159658
5°	155337
10°	141948
15°	124337
20°	106666
25°	89062
30°	71277
35°	53458
40°	38787
45°	25367
50°	15863
55°	10743
60°	9517
65°	8717
70°	8207
75°	7456
80°	7072
85°	6038

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25367 cd/sqm

TEST NUMBER: P1270457

CATALOG NUMBER: P3AS20R159740D010 E3DLD1GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.1	10.3
10°-20°	152.6	24.1
20°-30°	168.2	26.6
30°-40°	125.9	19.9
40°-50°	65.3	10.3
50°-60°	27.1	4.3
60°-70°	16.7	2.6
70°-80°	9.4	1.5
80°-90°	2.7	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°	385.9	61.0
0°-40°	511.8	80.9
0°-60°	604.1	95.4
0°-90°	633.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	633.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	728	
5°	706	65
15°	548	153
25°	368	168
35°	200	126
45°	82	65
55°	28	27
65°	17	17
75°	9	9
85°	2	3
90°	0	

TEST NUMBER: P1270457

CATALOG NUMBER: P3AS20R159740D010 E3DLD1GPH

CANDELA DISTRIBUTION (FULL):

0°	
0°	728.1
1°	728.9
2°	726.5
3°	721.7
4°	714.5
5°	705.7
6°	694.5
7°	682.4
8°	668.0
9°	652.8
10°	637.5
12.5°	593.4
15°	547.7
17.5°	502.0
20°	457.1
22.5°	411.4
25°	368.1
27.5°	324.8
30°	281.5
32.5°	239.0
35°	199.7
37.5°	166.0
40°	135.5
42.5°	107.5
45°	81.8
47.5°	61.7
50°	46.5
52.5°	34.5
55°	28.1
57.5°	24.9
60°	21.7
62.5°	19.2
65°	16.8
67.5°	14.4
70°	12.8
72.5°	10.4
75°	8.8
77.5°	7.2
80°	5.6
82.5°	4.0
85°	2.4
87.5°	0.8
90°	0.0

(END OF REPORT)