

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: P1258161

Luminaire Tested: P3AS20R409040D010 E3DLD1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258161
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R409040D010 E3DLD1GPH
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 90CRI , E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

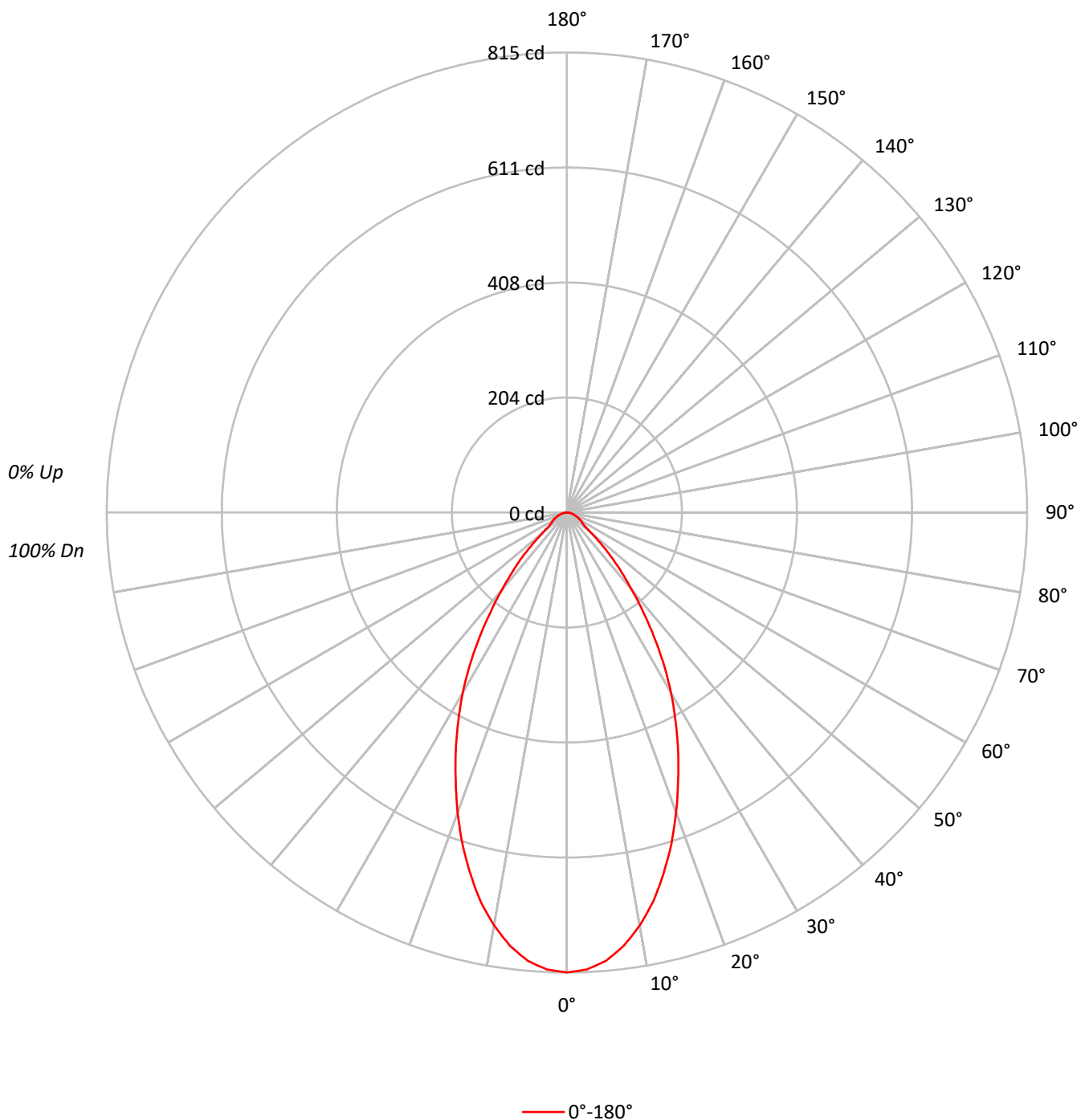
Lumens per Lamp: N/A
Luminaire Lumens: 796.0 lumens
Efficiency: N/A
Efficacy: 27.6 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1258161

CATALOG NUMBER: P3AS20R409040D010 E3DLD1GPH

Luminous Intensity Polar Plot



TEST NUMBER: P1258161

CATALOG NUMBER: P3AS20R409040D010 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	112	109	106	104	110	107	104	102	103	101	99		99	98	96		96
2	106	100	96	92	104	98	94	91	95	92	89		92	89	87		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	85	79	74	92	84	78	74	82	77	73		80	75	72		78
5	89	79	73	68	87	78	72	67	76	71	67		75	70	66		73
6	84	74	67	62	82	73	67	62	71	66	61		70	65	61		68
7	79	69	62	57	78	68	62	57	67	61	57		65	60	57		64
8	75	64	58	53	74	64	57	53	63	57	53		62	56	53		61
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57
10	67	57	51	46	66	56	50	46	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	178692
5°	175456
10°	165372
15°	150217
20°	131961
25°	112700
30°	93356
35°	72009
40°	51239
45°	34515
50°	18831
55°	13266
60°	12499
65°	11571
70°	10258
75°	9828
80°	7829
85°	6793

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 34515 cd/sqm

TEST NUMBER: P1258161

CATALOG NUMBER: P3AS20R409040D010 E3DLD1GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.3	9.3
10°-20°	184.3	23.2
20°-30°	213.1	26.8
30°-40°	167.9	21.1
40°-50°	86.2	10.8
50°-60°	33.0	4.1
60°-70°	21.8	2.7
70°-80°	11.9	1.5
80°-90°	3.5	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°	471.7	59.3
0°-40°	639.7	80.4
0°-60°	758.8	95.3
0°-90°	796.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	796.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	815	
5°	797	74
15°	662	184
25°	466	213
35°	269	168
45°	111	86
55°	35	33
65°	22	22
75°	12	12
85°	3	4
90°	0	

TEST NUMBER: P1258161

CATALOG NUMBER: P3AS20R409040D010 E3DLD1GPH

CANDELA DISTRIBUTION (FULL):

0°	
0°	814.9
2.5°	810.4
5°	797.1
7.5°	773.9
10°	742.7
12.5°	706.2
15°	661.7
17.5°	615.4
20°	565.5
22.5°	514.7
25°	465.8
27.5°	416.8
30°	368.7
32.5°	319.7
35°	269.0
37.5°	221.8
40°	179.0
42.5°	142.5
45°	111.3
47.5°	81.0
50°	55.2
52.5°	40.1
55°	34.7
57.5°	31.2
60°	28.5
62.5°	24.9
65°	22.3
67.5°	18.7
70°	16.0
72.5°	13.4
75°	11.6
77.5°	8.9
80°	6.2
82.5°	5.3
85°	2.7
87.5°	1.8
90°	0.0

(END OF REPORT)