

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: P1258209

Luminaire Tested: P3AS20R509040D010 E3DL1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258209
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R509040D010 E3DL1GPH
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , E3DL1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

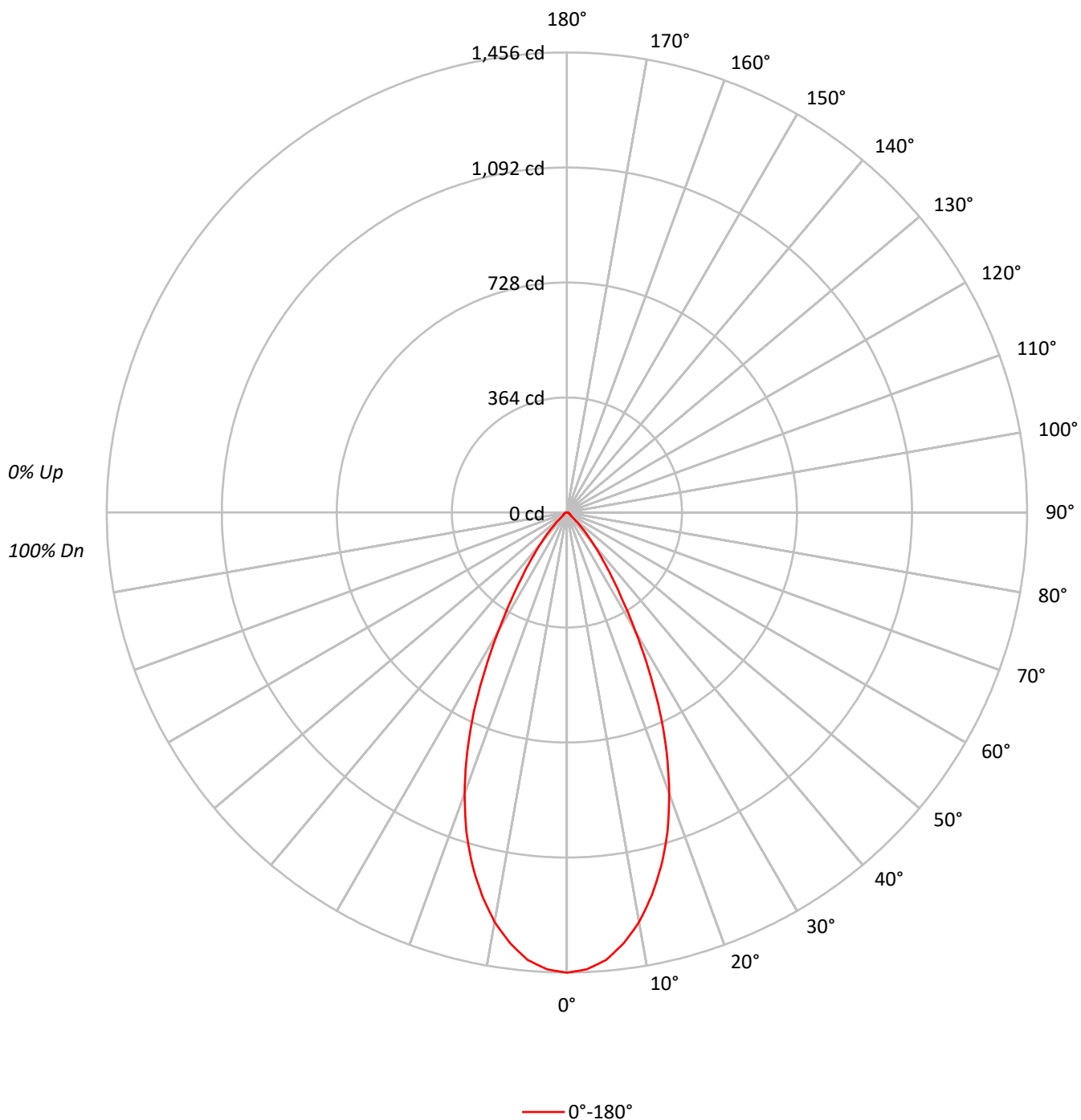
Lumens per Lamp: N/A
Luminaire Lumens: 1003.0 lumens
Efficiency: N/A
Efficacy: 34.8 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					30					10					0
RW	70	50	30	10	70	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
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95			94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89			87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83			82
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	80	78			76
5	93	85	80	75	92	84	79	75	83	78	74	81	77	74	79	76	73			72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	75	72	69			67
7	85	76	70	66	84	75	70	66	74	69	66	73	69	65	72	68	65			64
8	81	72	66	62	80	71	66	62	70	65	62	69	65	62	68	64	61			60
9	78	68	63	59	76	68	62	59	67	62	59	66	62	58	65	61	58			57
10	74	65	59	56	73	65	59	56	64	59	55	63	58	55	62	58	55			54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	319338
5°	312898
10°	293092
15°	262385
20°	220799
25°	168518
30°	109511
35°	64942
40°	37527
45°	18793
50°	6993
55°	5467
60°	5087
65°	4618
70°	4552
75°	4575
80°	4546
85°	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18793 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.3	13.2
10°-20°	319.6	31.9
20°-30°	313.6	31.3
30°-40°	158.0	15.7
40°-50°	49.9	5.0
50°-60°	13.0	1.3
60°-70°	9.1	0.9
70°-80°	5.7	0.6
80°-90°	2.0	0.2
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°	765.4	76.3
0°-40°	923.4	92.1
0°-60°	986.3	98.3
0°-90°	1003.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1003.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1456	
5°	1422	132
15°	1156	320
25°	696	314
35°	243	158
45°	61	50
55°	14	13
65°	9	9
75°	5	6
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1456.3
2.5°	1447.4
5°	1421.5
7.5°	1375.1
10°	1316.3
12.5°	1240.5
15°	1155.8
17.5°	1057.7
20°	946.2
22.5°	825.8
25°	696.5
27.5°	559.2
30°	432.5
32.5°	325.5
35°	242.6
37.5°	179.2
40°	131.1
42.5°	92.7
45°	60.6
47.5°	34.8
50°	20.5
52.5°	15.2
55°	14.3
57.5°	12.5
60°	11.6
62.5°	10.7
65°	8.9
67.5°	8.0
70°	7.1
72.5°	6.2
75°	5.4
77.5°	4.5
80°	3.6
82.5°	2.7
85°	1.8
87.5°	0.9
90°	0.0

(END OF REPORT)