

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: P1258159

Luminaire Tested: P3AS20R409040D010 E3DL1WH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258159
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R409040D010 E3DL1WH
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 90CRI , E3DL1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

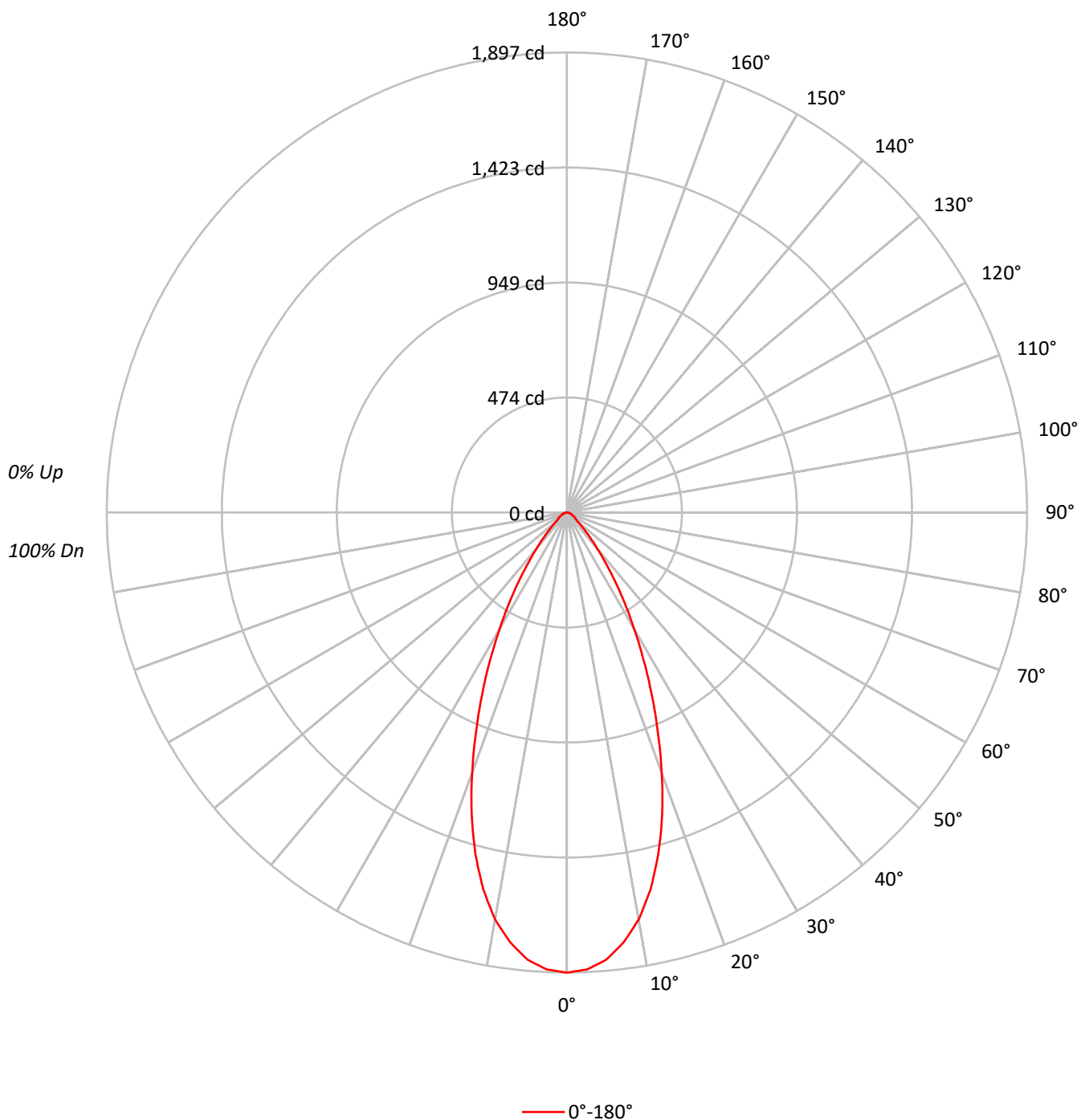
Lumens per Lamp: N/A
Luminaire Lumens: 1336.0 lumens
Efficiency: N/A
Efficacy: 46.4 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.74
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				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	93	97	94	91		94	92	89		92
3	102	95	90	86	100	94	89	85	91	87	84		89	85	83		86
4	97	89	83	79	95	88	83	79	86	81	78		84	80	77		82
5	92	83	77	73	90	82	77	73	81	76	72		79	75	71		77
6	87	78	72	68	86	78	72	68	76	71	67		75	70	67		73
7	83	74	68	64	82	73	68	64	72	67	63		71	66	63		70
8	79	70	64	60	78	69	64	60	68	63	59		67	63	59		66
9	76	66	60	56	75	66	60	56	65	60	56		64	59	56		63
10	72	63	57	53	71	62	57	53	62	57	53		61	56	53		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	415997
5°	407571
10°	379485
15°	330740
20°	266560
25°	199802
30°	140477
35°	92033
40°	55704
45°	33275
50°	19854
55°	15980
60°	14341
65°	12245
70°	11669
75°	9235
80°	9218
85°	9057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 33275 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.9	12.9
10°-20°	401.3	30.0
20°-30°	378.2	28.3
30°-40°	218.7	16.4
40°-50°	87.1	6.5
50°-60°	38.6	2.9
60°-70°	23.8	1.8
70°-80°	12.5	0.9
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°	951.4	71.2
0°-40°	1170.1	87.6
0°-60°	1295.7	97.0
0°-90°	1336.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1336.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1897	
5°	1852	172
15°	1457	401
25°	826	378
35°	344	219
45°	107	87
55°	42	39
65°	24	24
75°	11	12
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1897.1
2.5°	1886.2
5°	1851.6
7.5°	1788.0
10°	1704.3
12.5°	1591.5
15°	1456.9
17.5°	1306.0
20°	1142.3
22.5°	978.6
25°	825.8
27.5°	683.9
30°	554.8
32.5°	442.0
35°	343.8
37.5°	260.1
40°	194.6
42.5°	145.5
45°	107.3
47.5°	78.2
50°	58.2
52.5°	47.3
55°	41.8
57.5°	38.2
60°	32.7
62.5°	27.3
65°	23.6
67.5°	20.0
70°	18.2
72.5°	14.6
75°	10.9
77.5°	9.1
80°	7.3
82.5°	5.5
85°	3.6
87.5°	1.8
90°	0.0

(END OF REPORT)