

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: P1258099

Luminaire Tested: P3AS20R309040D010 E3DL1WH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258099
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R309040D010 E3DL1WH
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3DL1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

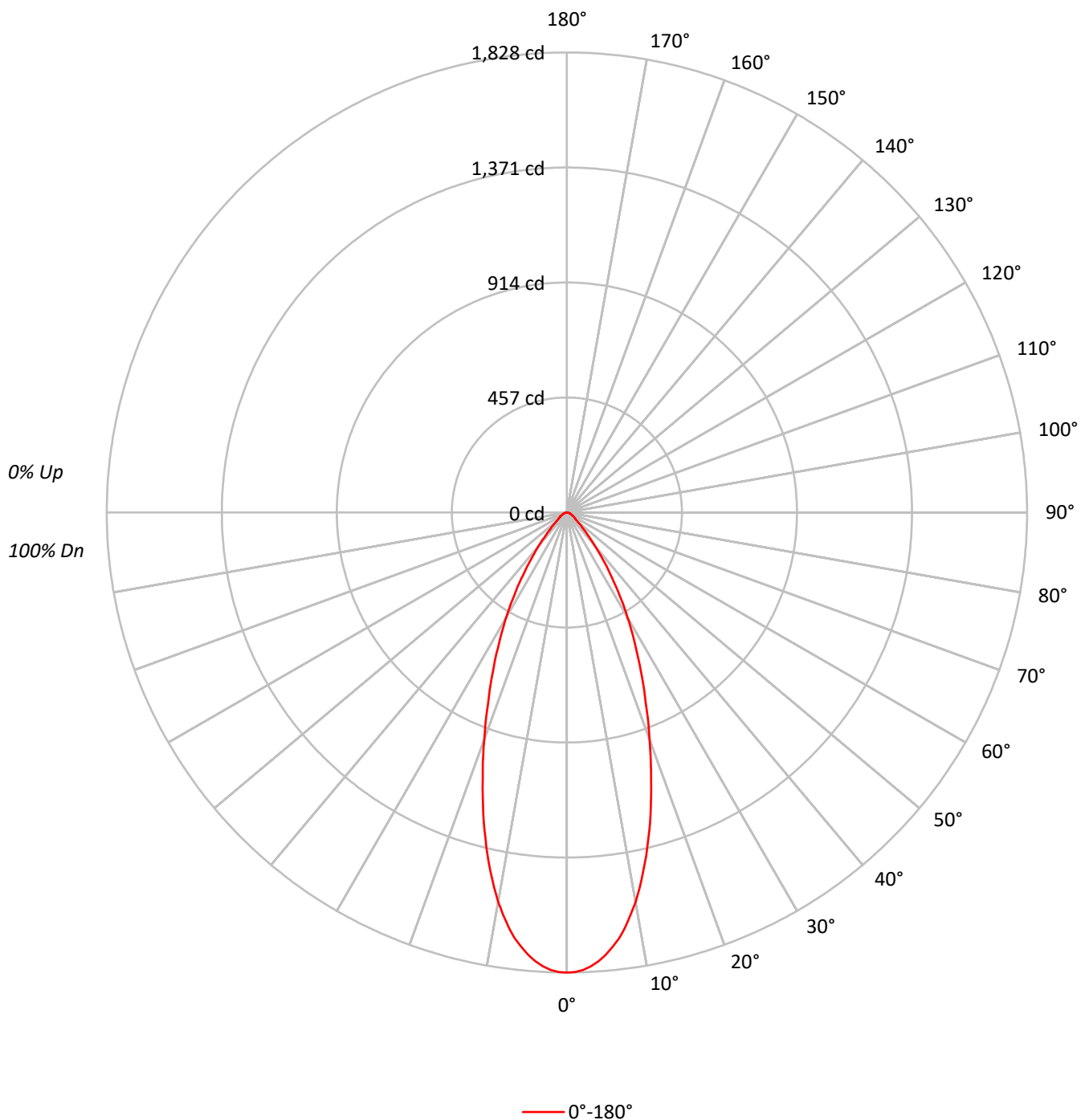
Lumens per Lamp: N/A
Luminaire Lumens: 1172.9 lumens
Efficiency: N/A
Efficacy: 40.7 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.7
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	94	97	94	92		94	92	90		92
3	102	95	90	86	100	94	89	85	91	87	84		89	86	83		87
4	97	89	84	79	95	88	83	79	86	81	78		84	80	77		82
5	92	84	78	73	90	83	77	73	81	76	72		79	75	72		78
6	88	79	73	68	86	78	72	68	76	71	68		75	71	67		74
7	83	74	68	64	82	74	68	64	72	67	63		71	67	63		70
8	80	70	64	60	78	70	64	60	69	63	60		67	63	60		67
9	76	67	61	57	75	66	60	57	65	60	56		64	60	56		63
10	73	63	58	54	72	63	57	54	62	57	54		61	57	53		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	400845
5°	388355
10°	349916
15°	289445
20°	224113
25°	168106
30°	122044
35°	81325
40°	49979
45°	29336
50°	17978
55°	14604
60°	12762
65°	10377
70°	9361
75°	9235
80°	6945
85°	9057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 29336 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.3	13.8
10°-20°	351.2	29.9
20°-30°	319.5	27.2
30°-40°	193.2	16.5
40°-50°	77.4	6.6
50°-60°	34.3	2.9
60°-70°	20.7	1.8
70°-80°	11.3	1.0
80°-90°	3.2	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°	832.9	71.0
0°-40°	1026.1	87.5
0°-60°	1137.8	97.0
0°-90°	1172.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1172.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1828	
5°	1764	162
15°	1275	351
25°	695	319
35°	304	193
45°	95	77
55°	38	34
65°	20	21
75°	11	11
85°	4	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1828.0
1°	1826.1
2°	1818.9
3°	1806.1
4°	1787.9
5°	1764.3
6°	1735.2
7°	1704.3
8°	1664.3
9°	1618.8
10°	1571.5
11°	1516.9
12°	1458.7
13°	1400.5
14°	1336.9
15°	1275.0
17.5°	1113.1
20°	960.4
22.5°	818.5
25°	694.8
27.5°	582.0
30°	482.0
32.5°	389.2
35°	303.8
37.5°	232.8
40°	174.6
42.5°	127.3
45°	94.6
47.5°	70.9
50°	52.7
52.5°	41.8
55°	38.2
57.5°	32.7
60°	29.1
62.5°	23.6
65°	20.0
67.5°	18.2
70°	14.6
72.5°	12.7
75°	10.9
77.5°	9.1
80°	5.5
82.5°	3.6
85°	3.6
87.5°	1.8



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)