

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: P1250051

Luminaire Tested: P3AS20R409027D010 E3DLP1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250051
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: P3AS20R409027D010 E3DLP1WMH
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , E3DLP1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

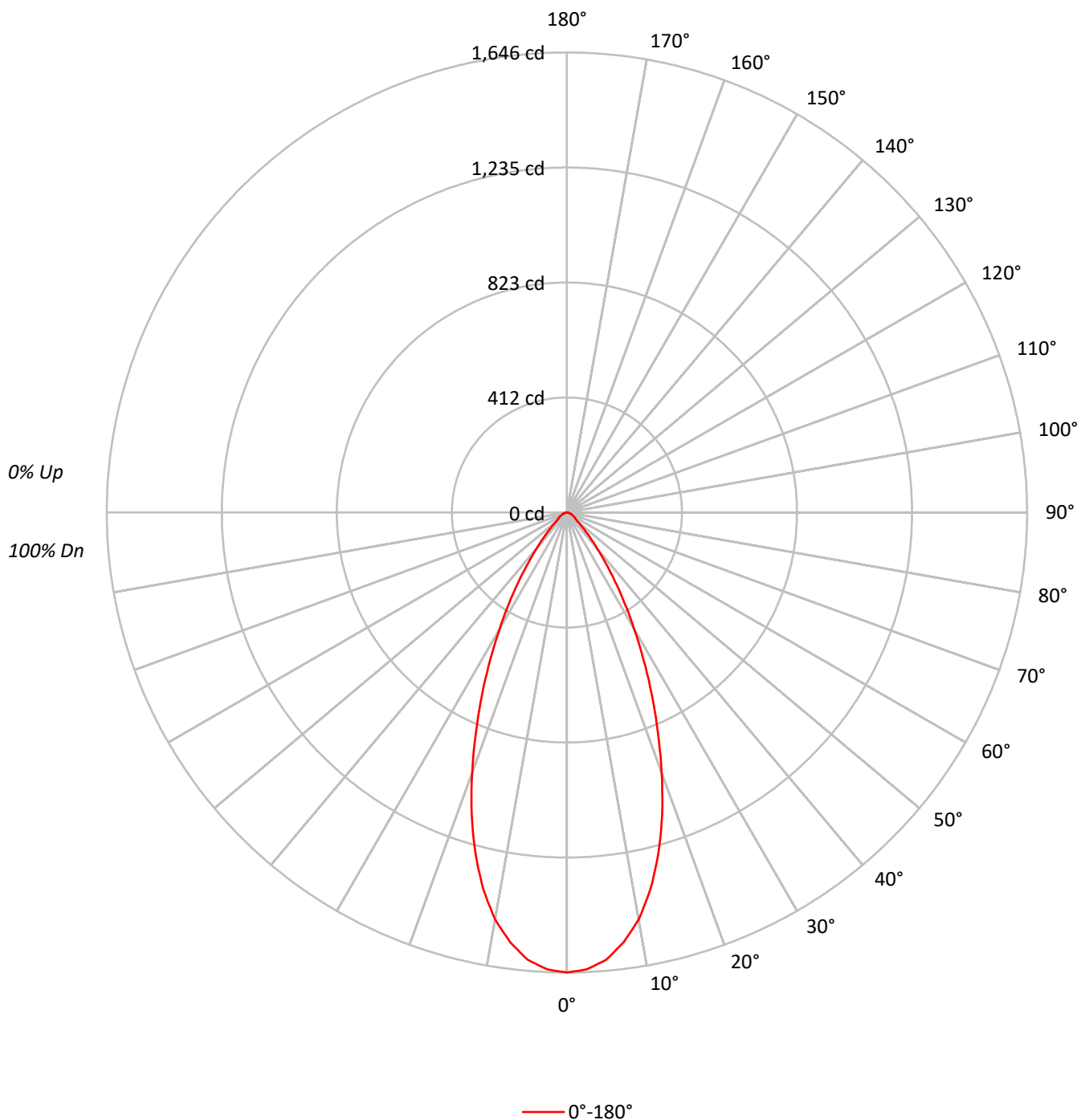
Lumens per Lamp: N/A
Luminaire Lumens: 1159.0 lumens
Efficiency: N/A
Efficacy: 40.2 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.74
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	63	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°	360892
5°	353576
10°	329208
15°	286926
20°	231230
25°	173333
30°	121867
35°	79826
40°	48319
45°	28871
50°	17228
55°	13878
60°	12455
65°	10637
70°	10130
75°	8049
80°	7956
85°	8051

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28871 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.2	12.9
10°-20°	348.1	30.0
20°-30°	328.1	28.3
30°-40°	189.7	16.4
40°-50°	75.6	6.5
50°-60°	33.4	2.9
60°-70°	20.7	1.8
70°-80°	10.8	0.9
80°-90°	3.4	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°	825.3	71.2
0°-40°	1015.0	87.6
0°-60°	1124.0	97.0
0°-90°	1159.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1159.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1646	
5°	1606	149
15°	1264	348
25°	716	328
35°	298	190
45°	93	76
55°	36	33
65°	20	21
75°	10	11
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1645.8
2.5°	1636.3
5°	1606.3
7.5°	1551.1
10°	1478.5
12.5°	1380.7
15°	1263.9
17.5°	1132.9
20°	990.9
22.5°	848.9
25°	716.4
27.5°	593.3
30°	481.3
32.5°	383.4
35°	298.2
37.5°	225.6
40°	168.8
42.5°	126.2
45°	93.1
47.5°	67.9
50°	50.5
52.5°	41.0
55°	36.3
57.5°	33.1
60°	28.4
62.5°	23.7
65°	20.5
67.5°	17.4
70°	15.8
72.5°	12.6
75°	9.5
77.5°	7.9
80°	6.3
82.5°	4.7
85°	3.2
87.5°	1.6
90°	0.0

(END OF REPORT)