

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: P1250037

Luminaire Tested: P3AS20R409027D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250037
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R409027D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

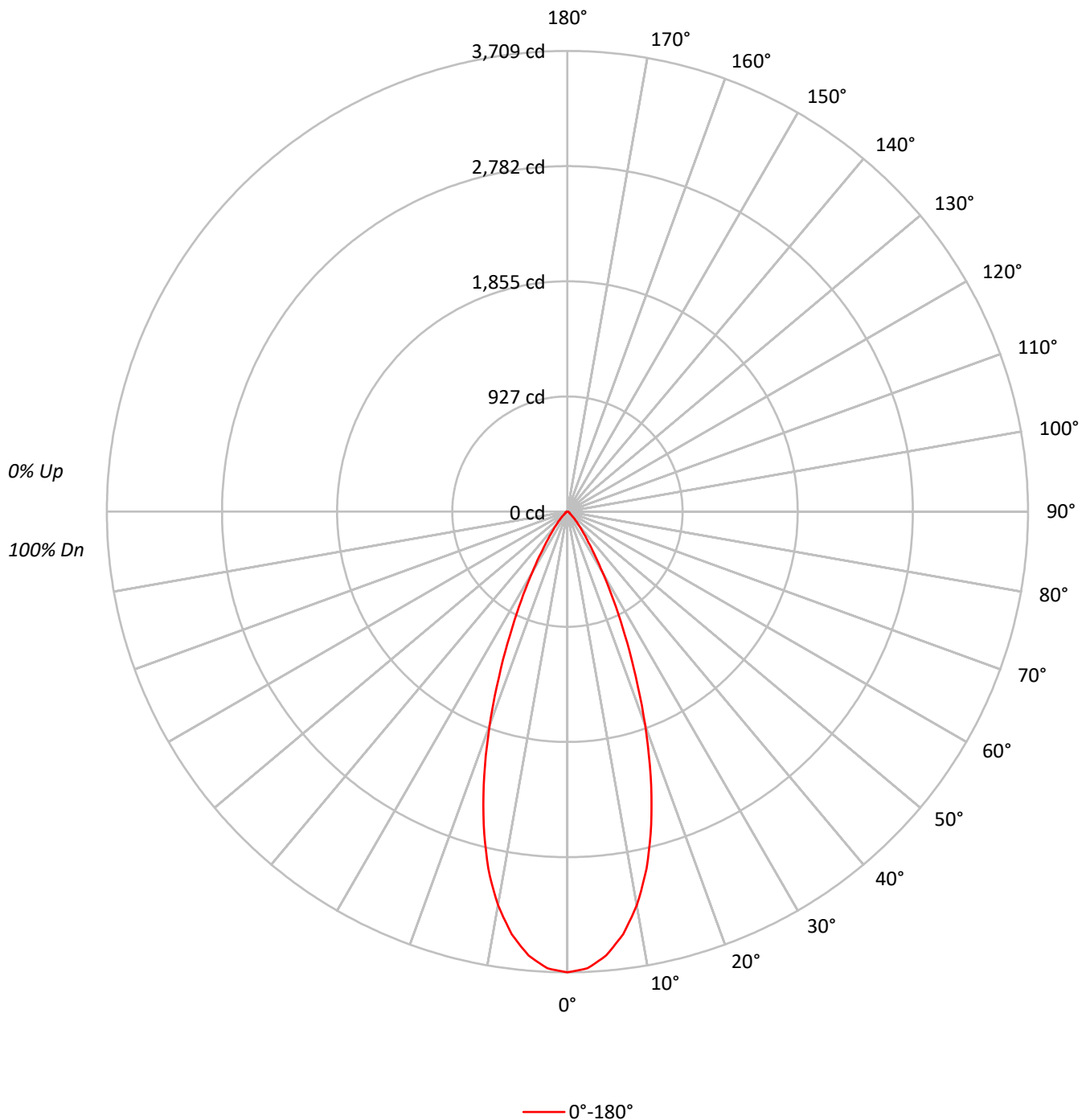
Lumens per Lamp: N/A
Luminaire Lumens: 1838.0 lumens
Efficiency: N/A
Efficacy: 63.8 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	114	111	109	107	112	109	107	105	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	99	94	91	102	97	93	90	95	91	88		92	89	87		90
4	100	93	88	85	98	92	88	84	90	86	83		88	85	82		86
5	96	88	83	79	94	88	83	79	86	82	78		84	81	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	71		77	73	70		76
8	85	76	71	68	84	76	71	67	75	70	67		74	70	67		73
9	82	73	68	64	81	73	68	64	72	67	64		71	67	64		70
10	78	70	65	62	78	70	65	61	69	64	61		68	64	61		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	813312
5°	789674
10°	716598
15°	592012
20°	427037
25°	264136
30°	143009
35°	73910
40°	40190
45°	22514
50°	11292
55°	8449
60°	7631
65°	7368
70°	7052
75°	6693
80°	5935
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22514 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.7	18.0
10°-20°	710.1	38.6
20°-30°	506.7	27.6
30°-40°	186.6	10.1
40°-50°	58.8	3.2
50°-60°	20.4	1.1
60°-70°	14.1	0.8
70°-80°	8.3	0.5
80°-90°	2.4	0.1
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°	1547.5	84.2
0°-40°	1734.1	94.3
0°-60°	1813.3	98.7
0°-90°	1838.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1838.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3709	
5°	3588	331
15°	2608	710
25°	1092	507
35°	276	187
45°	73	59
55°	22	20
65°	14	14
75°	8	8
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3709.0
2.5°	3680.6
5°	3587.5
7.5°	3432.9
10°	3218.3
12.5°	2945.4
15°	2607.8
17.5°	2229.2
20°	1830.0
22.5°	1437.2
25°	1091.7
27.5°	801.4
30°	564.8
32.5°	396.0
35°	276.1
37.5°	195.6
40°	140.4
42.5°	101.0
45°	72.6
47.5°	48.9
50°	33.1
52.5°	23.7
55°	22.1
57.5°	20.5
60°	17.4
62.5°	15.8
65°	14.2
67.5°	12.6
70°	11.0
72.5°	9.5
75°	7.9
77.5°	6.3
80°	4.7
82.5°	3.2
85°	1.6
87.5°	1.6
90°	0.0

(END OF REPORT)