

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: P1249916

Luminaire Tested: P3AS20R209027D010 E3DL1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249916
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R209027D010 E3DL1GPH
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3DL1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

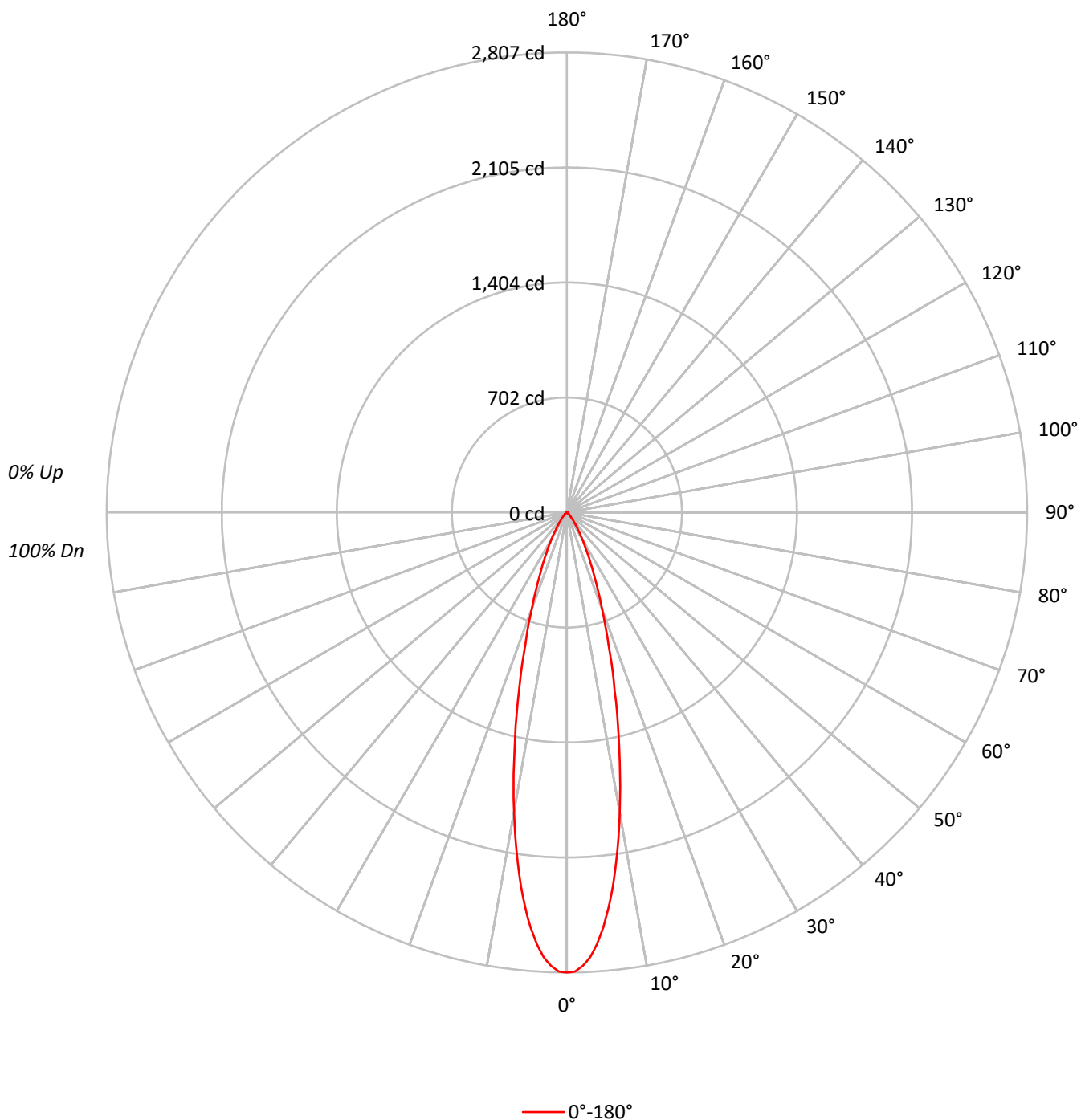
Lumens per Lamp: N/A
Luminaire Lumens: 800.0 lumens
Efficiency: N/A
Efficacy: 27.8 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			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	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	102	100	108	104	101	98	101	98	96		98	96	94		95	94	92	91
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92	90	88	87
4	102	96	91	88	100	95	90	87	92	89	86		91	88	85		89	86	84	83
5	98	91	87	83	97	90	86	83	89	85	82		87	84	81		86	83	81	79
6	95	87	83	79	93	87	82	79	85	81	78		84	81	78		83	80	77	76
7	91	84	79	76	90	83	79	76	82	78	75		81	78	75		80	77	75	73
8	88	81	76	73	87	80	76	73	79	75	72		78	75	72		78	74	72	71
9	85	78	73	70	85	77	73	70	77	73	70		76	72	69		75	72	69	68
10	83	75	71	68	82	75	70	67	74	70	67		73	70	67		73	69	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	615499
5°	559519
10°	413508
15°	255802
20°	146079
25°	83400
30°	46767
35°	25458
40°	13940
45°	7660
50°	4469
55°	3250
60°	3070
65°	2802
70°	2500
75°	2626
80°	1894
85°	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7660 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.1	27.5
10°-20°	314.2	39.3
20°-30°	164.0	20.5
30°-40°	63.4	7.9
40°-50°	20.6	2.6
50°-60°	8.1	1.0
60°-70°	5.4	0.7
70°-80°	3.2	0.4
80°-90°	1.0	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°	698.4	87.3
0°-40°	761.8	95.2
0°-60°	790.4	98.8
0°-90°	800.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	800.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2807	
5°	2542	220
15°	1127	314
25°	345	164
35°	95	63
45°	25	21
55°	8	8
65°	5	5
75°	3	3
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2806.9
1°	2801.5
2°	2768.3
3°	2717.3
4°	2638.5
5°	2541.9
6°	2427.5
7°	2300.7
8°	2153.9
9°	2010.9
10°	1857.1
12.5°	1476.1
15°	1126.8
17.5°	843.2
20°	626.0
22.5°	463.7
25°	344.7
27.5°	254.3
30°	184.7
32.5°	133.7
35°	95.1
37.5°	68.8
40°	48.7
42.5°	34.8
45°	24.7
47.5°	17.8
50°	13.1
52.5°	10.0
55°	8.5
57.5°	7.7
60°	7.0
62.5°	6.2
65°	5.4
67.5°	4.6
70°	3.9
72.5°	3.9
75°	3.1
77.5°	2.3
80°	1.5
82.5°	1.5
85°	0.8
87.5°	0.8
90°	0.0

(END OF REPORT)