

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: P1249920

Luminaire Tested: P3AS20R209027D010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249920
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 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

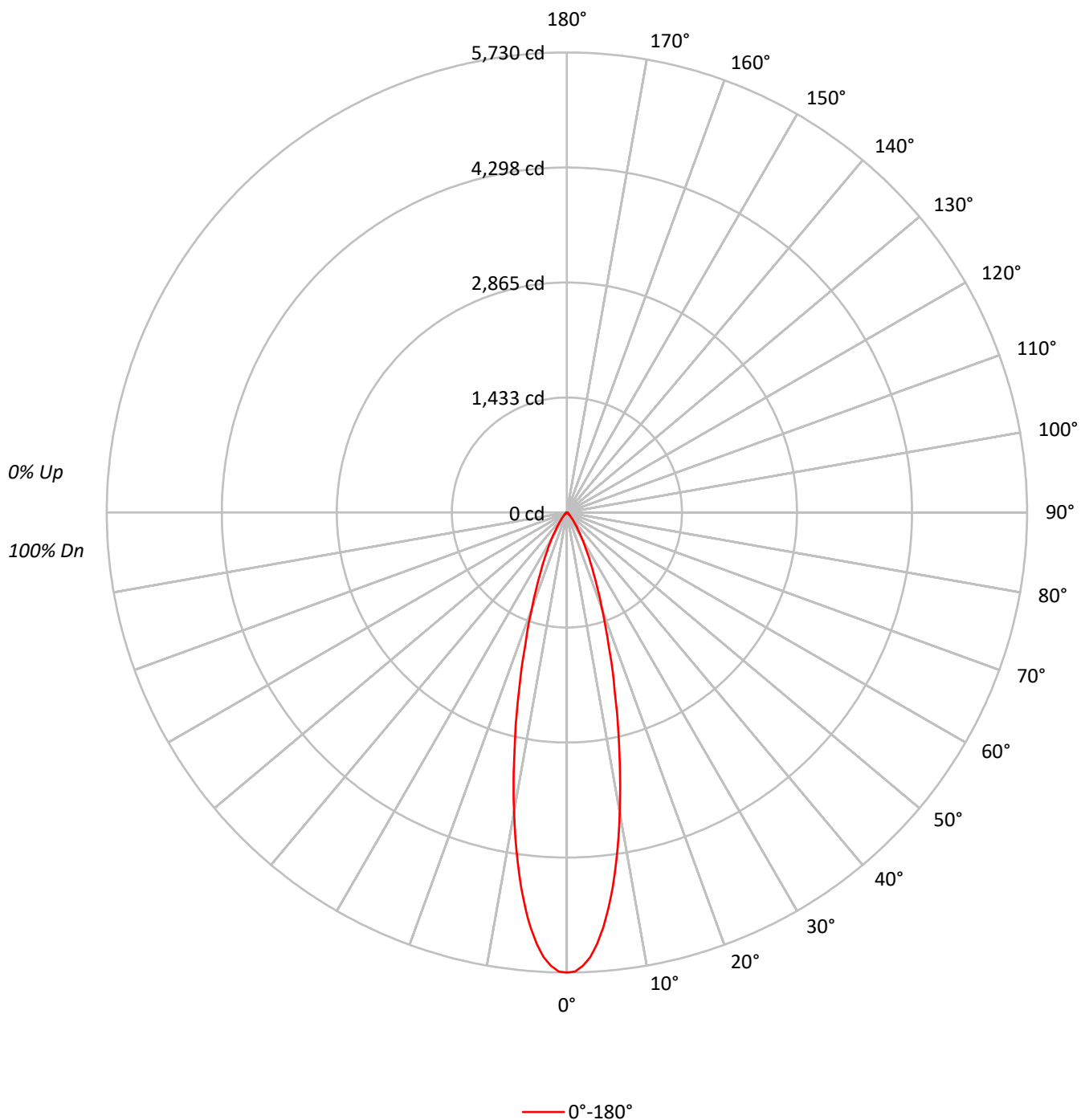
Lumens per Lamp: N/A
Luminaire Lumens: 1633.0 lumens
Efficiency: N/A
Efficacy: 56.7 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	1256412
5°	1142106
10°	844095
15°	522160
20°	298179
25°	170236
30°	95458
35°	51932
40°	28453
45°	15661
50°	9143
55°	6652
60°	6228
65°	5707
70°	5065
75°	5338
80°	4041
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15661 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	449.3	27.5
10°-20°	641.4	39.3
20°-30°	334.8	20.5
30°-40°	129.4	7.9
40°-50°	42.0	2.6
50°-60°	16.5	1.0
60°-70°	10.9	0.7
70°-80°	6.4	0.4
80°-90°	2.2	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°	1425.5	87.3
0°-40°	1554.9	95.2
0°-60°	1613.5	98.8
0°-90°	1633.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1633.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5730	
5°	5189	449
15°	2300	641
25°	704	335
35°	194	129
45°	50	42
55°	17	17
65°	11	11
75°	6	6
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5729.7
1°	5718.6
2°	5650.8
3°	5546.7
4°	5385.8
5°	5188.6
6°	4955.1
7°	4696.4
8°	4396.6
9°	4104.8
10°	3790.9
12.5°	3013.1
15°	2300.1
17.5°	1721.1
20°	1277.8
22.5°	946.5
25°	703.6
27.5°	519.0
30°	377.0
32.5°	272.9
35°	194.0
37.5°	140.4
40°	99.4
42.5°	71.0
45°	50.5
47.5°	36.3
50°	26.8
52.5°	20.5
55°	17.4
57.5°	15.8
60°	14.2
62.5°	12.6
65°	11.0
67.5°	9.5
70°	7.9
72.5°	7.9
75°	6.3
77.5°	4.7
80°	3.2
82.5°	3.2
85°	1.6
87.5°	1.6
90°	0.0

(END OF REPORT)