

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: P1272553

Luminaire Tested: P3AS20R159827D010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272553
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R159827D010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

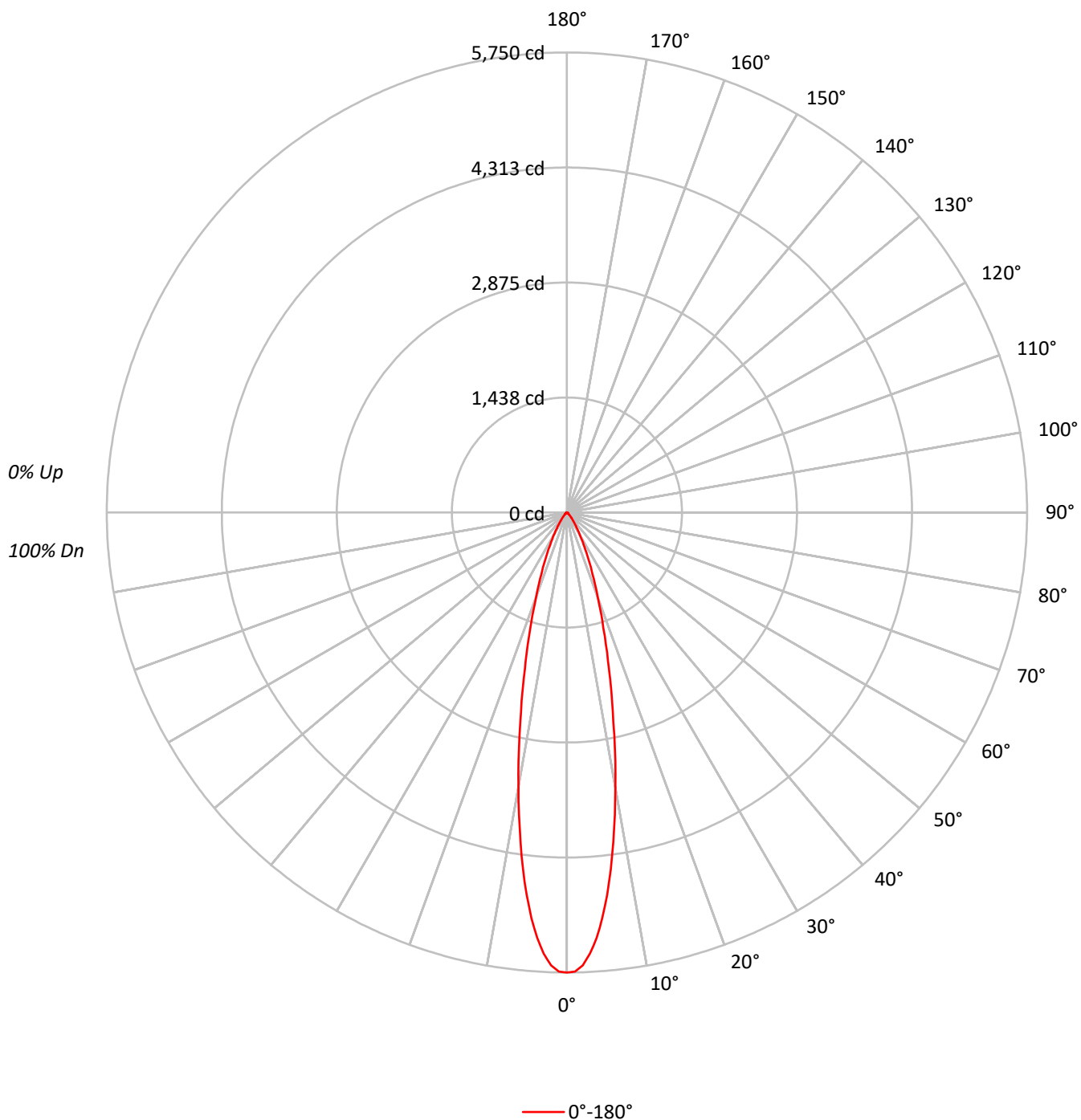
Lumens per Lamp: N/A
Luminaire Lumens: 1476.0 lumens
Efficiency: N/A
Efficacy: 53.9 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.43
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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

TEST NUMBER: P1272553

CATALOG NUMBER: P3AS20R159827D010 E3DL1WMH

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1260886
5°	1119235
10°	777251
15°	459662
20°	261799
25°	149646
30°	82798
35°	44142
40°	24417
45°	13242
50°	8256
55°	6537
60°	5614
65°	5189
70°	4552
75°	4829
80°	3536
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 13242 cd/sqm

TEST NUMBER: P1272553

CATALOG NUMBER: P3AS20R159827D010 E3DL1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.4	29.3
10°-20°	570.6	38.7
20°-30°	293.8	19.9
30°-40°	110.3	7.5
40°-50°	36.1	2.4
50°-60°	15.5	1.1
60°-70°	9.9	0.7
70°-80°	5.8	0.4
80°-90°	1.5	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°	1296.8	87.9
0°-40°	1407.1	95.3
0°-60°	1458.8	98.8
0°-90°	1476.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1476.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5750	
5°	5085	432
15°	2025	571
25°	618	294
35°	165	110
45°	43	36
55°	17	16
65°	10	10
75°	6	6
85°	1	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5750.1
1°	5738.8
2°	5663.4
3°	5519.8
4°	5330.7
5°	5084.7
6°	4806.0
7°	4500.3
8°	4160.5
9°	3824.9
10°	3490.7
12.5°	2686.0
15°	2024.8
17.5°	1515.7
20°	1121.9
22.5°	837.5
25°	618.5
27.5°	450.7
30°	327.0
32.5°	231.8
35°	164.9
37.5°	118.0
40°	85.3
42.5°	61.1
45°	42.7
47.5°	31.3
50°	24.2
52.5°	19.9
55°	17.1
57.5°	14.2
60°	12.8
62.5°	11.4
65°	10.0
67.5°	8.5
70°	7.1
72.5°	7.1
75°	5.7
77.5°	4.3
80°	2.8
82.5°	2.8
85°	1.4
87.5°	0.0
90°	0.0

(END OF REPORT)