

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: P1260780

Luminaire Tested: P3AS20R459050D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1260780
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R459050D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 5000K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

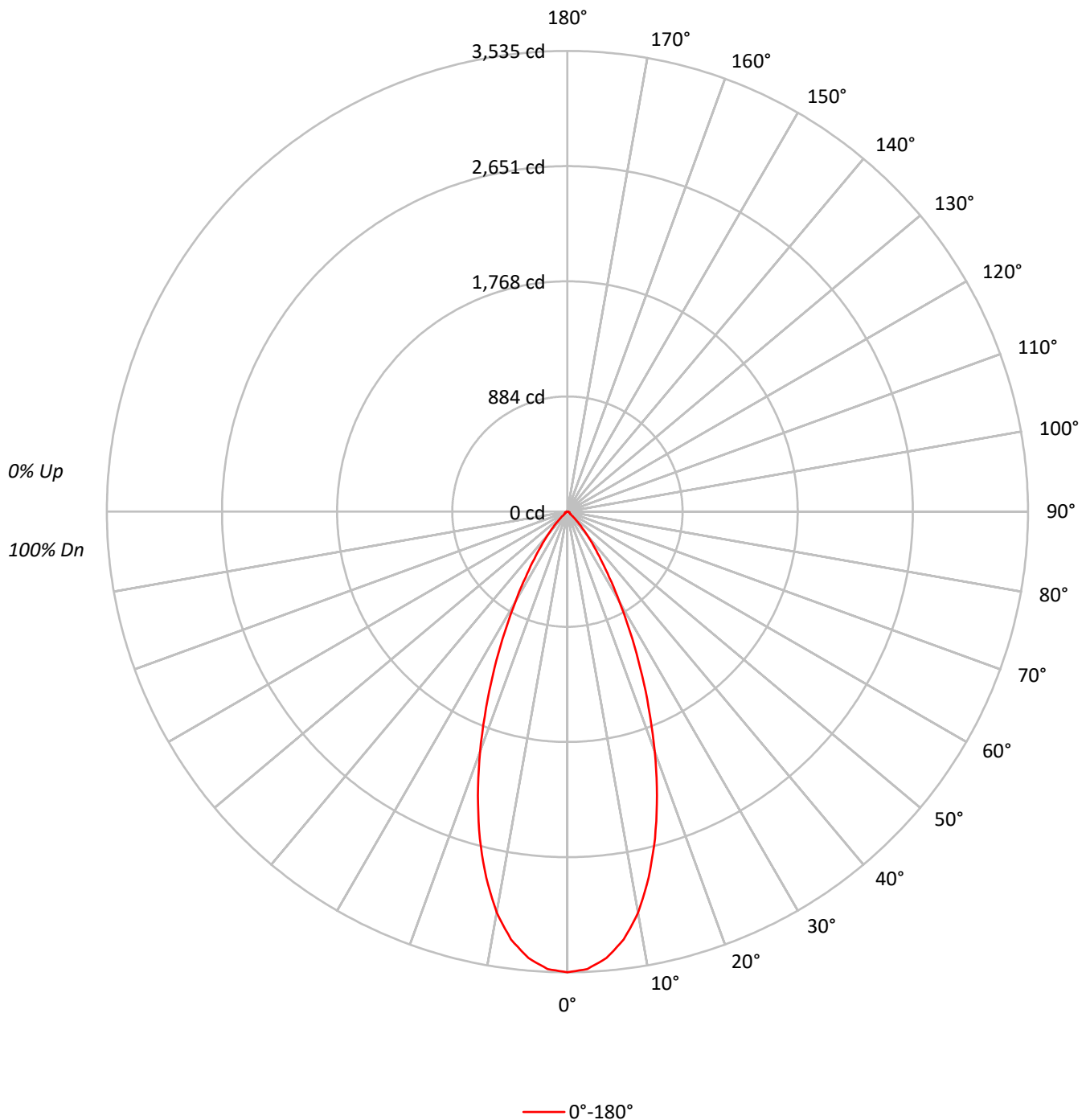
Lumens per Lamp: N/A
Luminaire Lumens: 2063.9 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94		
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88		
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	86	84	83		
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78		
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74		
6	90	82	77	73	89	81	76	72	80	75	72	78	74	71	77	74	71	70		
7	86	78	72	68	85	77	72	68	76	71	68	75	71	67	74	70	67	66		
8	83	74	68	65	82	73	68	65	72	68	64	71	67	64	70	67	64	62		
9	79	70	65	61	78	70	65	61	69	64	61	68	64	61	67	63	61	59		
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	775113
5°	756943
10°	695823
15°	589583
20°	457443
25°	319760
30°	201449
35°	118588
40°	67097
45°	32624
50°	11326
55°	9175
60°	8903
65°	8613
70°	8271
75°	7795
80°	6945
85°	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 32624 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.3	15.4
10°-20°	713.2	34.6
20°-30°	605.6	29.3
30°-40°	288.9	14.0
40°-50°	87.0	4.2
50°-60°	22.0	1.1
60°-70°	16.5	0.8
70°-80°	9.7	0.5
80°-90°	2.7	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°	1637.1	79.3
0°-40°	1926.0	93.3
0°-60°	2035.0	98.6
0°-90°	2063.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2063.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3535	
5°	3439	318
15°	2597	713
25°	1322	606
35°	443	289
45°	105	87
55°	24	22
65°	17	16
75°	9	10
85°	2	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	3534.8
2.5°	3512.6
5°	3438.8
7.5°	3311.4
10°	3125.0
12.5°	2877.6
15°	2597.1
17.5°	2285.1
20°	1960.3
22.5°	1629.9
25°	1321.6
27.5°	1041.0
30°	795.6
32.5°	598.0
35°	443.0
37.5°	326.7
40°	234.4
42.5°	162.4
45°	105.2
47.5°	59.1
50°	33.2
52.5°	25.8
55°	24.0
57.5°	22.1
60°	20.3
62.5°	18.5
65°	16.6
67.5°	14.8
70°	12.9
72.5°	11.1
75°	9.2
77.5°	7.4
80°	5.5
82.5°	3.7
85°	1.8
87.5°	1.8
90°	0.0

(END OF REPORT)