

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: P1272626

Luminaire Tested: P3AS20R259827D010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272626
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R259827D010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

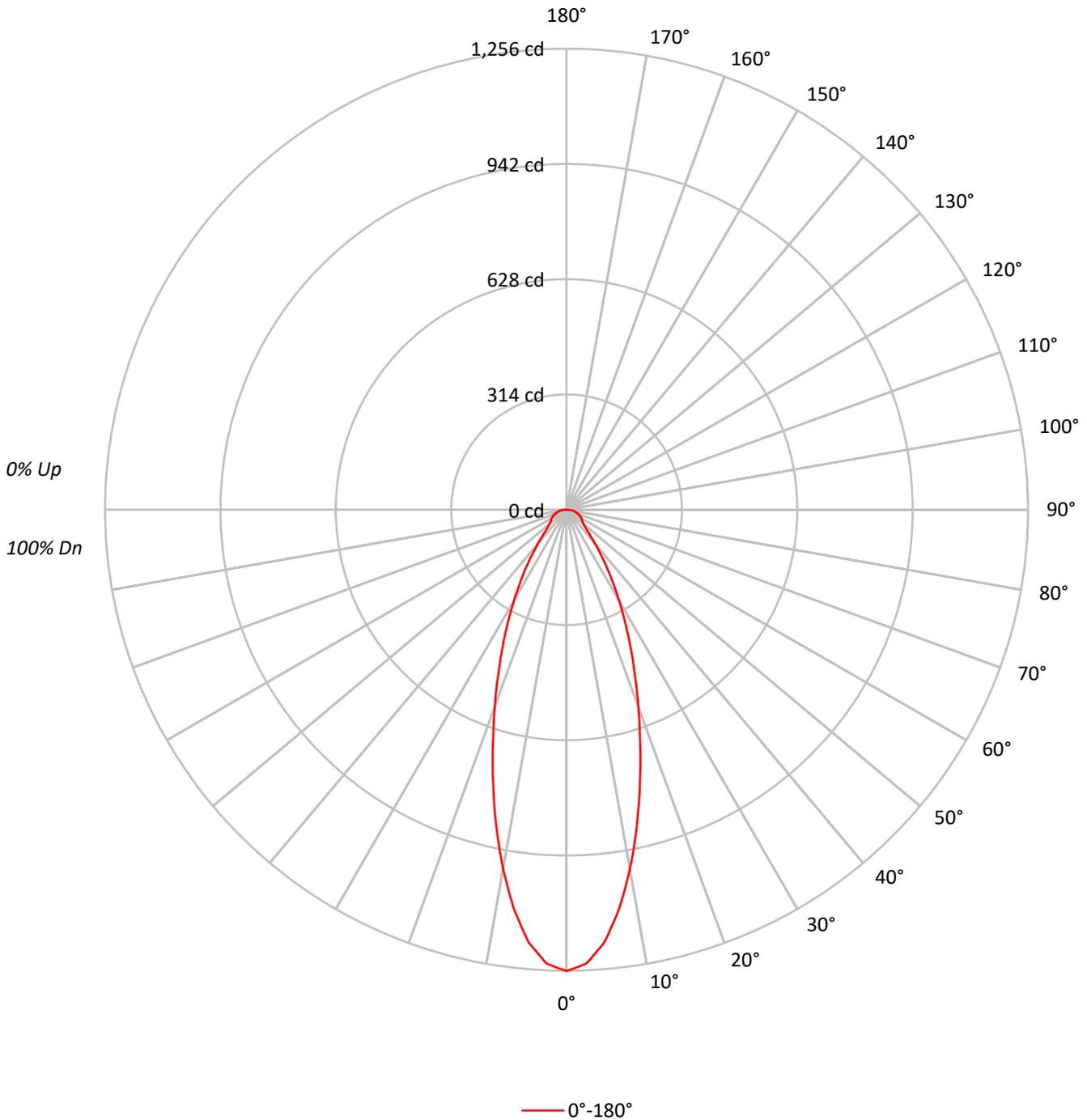
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 820.0 lumens
Efficiency: N/A
Efficacy: 29.9 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.65
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
Input Voltage (V): NR
Input Current (A_{in}): 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: P1272626
CATALOG NUMBER: P3AS20R259827D010 E3PHLP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1272626
 CATALOG NUMBER: P3AS20R259827D010 E3PHLP1MW

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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90	90	90	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81	81	81	81
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74	74	74	74
4	93	84	78	73	91	83	77	73	81	76	72	79	74	71	77	73	70	68	68	68	68
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63	63	63	63
6	84	74	67	62	82	73	66	62	71	66	61	70	65	61	68	64	61	59	59	59	59
7	79	69	63	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55	55	55	55
8	76	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	52	52	52	52
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49	49	49	49
10	69	59	52	48	68	58	52	48	57	52	48	56	51	48	56	51	48	46	46	46	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	275526
5°	260312
10°	221261
15°	175256
20°	133198
25°	99344
30°	72264
35°	51102
40°	34665
45°	24189
50°	20298
55°	19612
60°	20700
65°	21325
70°	21029
75°	22621
80°	25887
85°	25914

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 82.5°
 Luminance: 27552 cd/sqm



TEST NUMBER: P1272626
 CATALOG NUMBER: P3AS20R259827D010 E3PHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.7	13.0
10°-20°	213.7	26.1
20°-30°	189.2	23.1
30°-40°	120.5	14.7
40°-50°	63.8	7.8
50°-60°	46.8	5.7
60°-70°	39.9	4.9
70°-80°	28.2	3.4
80°-90°	11.2	1.4
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°	509.6	62.1
0°-40°	630.1	76.8
0°-60°	740.7	90.3
0°-90°	820.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	820.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1256	
5°	1183	107
15°	772	214
25°	411	189
35°	191	120
45°	78	64
55°	51	47
65°	41	40
75°	27	28
85°	10	11
90°	0	

TEST NUMBER: P1272626
CATALOG NUMBER: P3AS20R259827D010 E3PHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1256.5
2.5°	1238.0
5°	1182.6
7.5°	1096.3
10°	993.7
12.5°	882.8
15°	772.0
17.5°	665.2
20°	570.8
22.5°	484.5
25°	410.6
27.5°	344.9
30°	285.4
32.5°	234.0
35°	190.9
37.5°	151.9
40°	121.1
42.5°	96.5
45°	78.0
47.5°	67.8
50°	59.5
52.5°	55.4
55°	51.3
57.5°	49.3
60°	47.2
62.5°	43.1
65°	41.1
67.5°	37.0
70°	32.8
72.5°	30.8
75°	26.7
77.5°	22.6
80°	20.5
82.5°	16.4
85°	10.3
87.5°	4.1
90°	0.0

(END OF REPORT)