

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: P1258025

Luminaire Tested: P3AS20R159040D010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258025
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R159040D010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

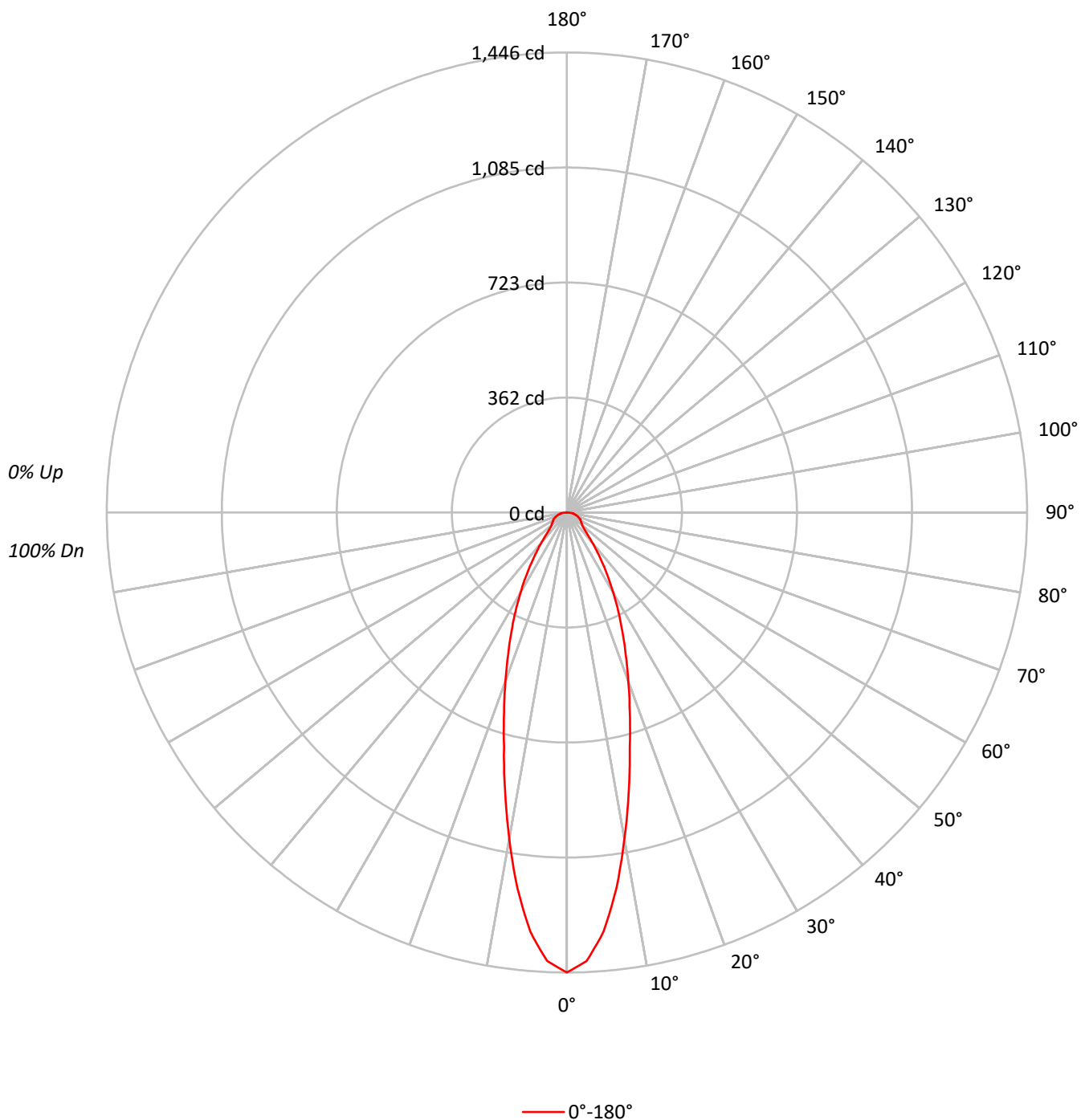
Lumens per Lamp: N/A
Luminaire Lumens: 847.0 lumens
Efficiency: N/A
Efficacy: 29.4 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	108	105	102	109	106	103	100	102	99	97		98	96	94		95
2	105	99	94	90	102	97	92	89	94	90	87		91	87	85		88
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		82
4	93	84	78	73	91	83	77	72	81	76	71		79	74	71		77
5	88	78	72	67	86	77	71	67	76	70	66		74	69	65		72
6	83	73	67	62	82	73	66	62	71	65	61		70	65	61		68
7	79	69	62	58	78	68	62	58	67	61	57		66	61	57		65
8	75	65	59	54	74	65	58	54	63	58	54		62	57	54		61
9	72	62	55	51	71	61	55	51	60	55	51		59	54	51		58
10	69	59	52	48	68	58	52	48	57	52	48		56	51	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	317014
5°	291084
10°	231926
15°	173327
20°	131635
25°	99659
30°	73733
35°	52682
40°	36039
45°	25212
50°	21492
55°	21065
60°	21884
65°	23141
70°	23530
75°	24485
80°	26519
85°	26418

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 30912 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.1	13.8
10°-20°	214.1	25.3
20°-30°	189.7	22.4
30°-40°	124.3	14.7
40°-50°	66.4	7.8
50°-60°	50.2	5.9
60°-70°	43.2	5.1
70°-80°	29.8	3.5
80°-90°	12.1	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°	521.0	61.5
0°-40°	645.3	76.2
0°-60°	761.8	89.9
0°-90°	847.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	847.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1446	
5°	1322	117
15°	764	214
25°	412	190
35°	197	124
45°	81	66
55°	55	50
65°	45	43
75°	29	30
85°	10	12
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1445.7
2.5°	1411.6
5°	1322.4
7.5°	1191.2
10°	1041.6
12.5°	897.3
15°	763.5
17.5°	655.9
20°	564.1
22.5°	482.8
25°	411.9
27.5°	349.0
30°	291.2
32.5°	241.4
35°	196.8
37.5°	157.4
40°	125.9
42.5°	99.7
45°	81.3
47.5°	70.8
50°	63.0
52.5°	60.3
55°	55.1
57.5°	52.5
60°	49.9
62.5°	47.2
65°	44.6
67.5°	39.4
70°	36.7
72.5°	31.5
75°	28.9
77.5°	23.6
80°	21.0
82.5°	18.4
85°	10.5
87.5°	5.2
90°	0.0

(END OF REPORT)