

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: P1249903

Luminaire Tested: P3AS20R159027D010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249903
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R159027D010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

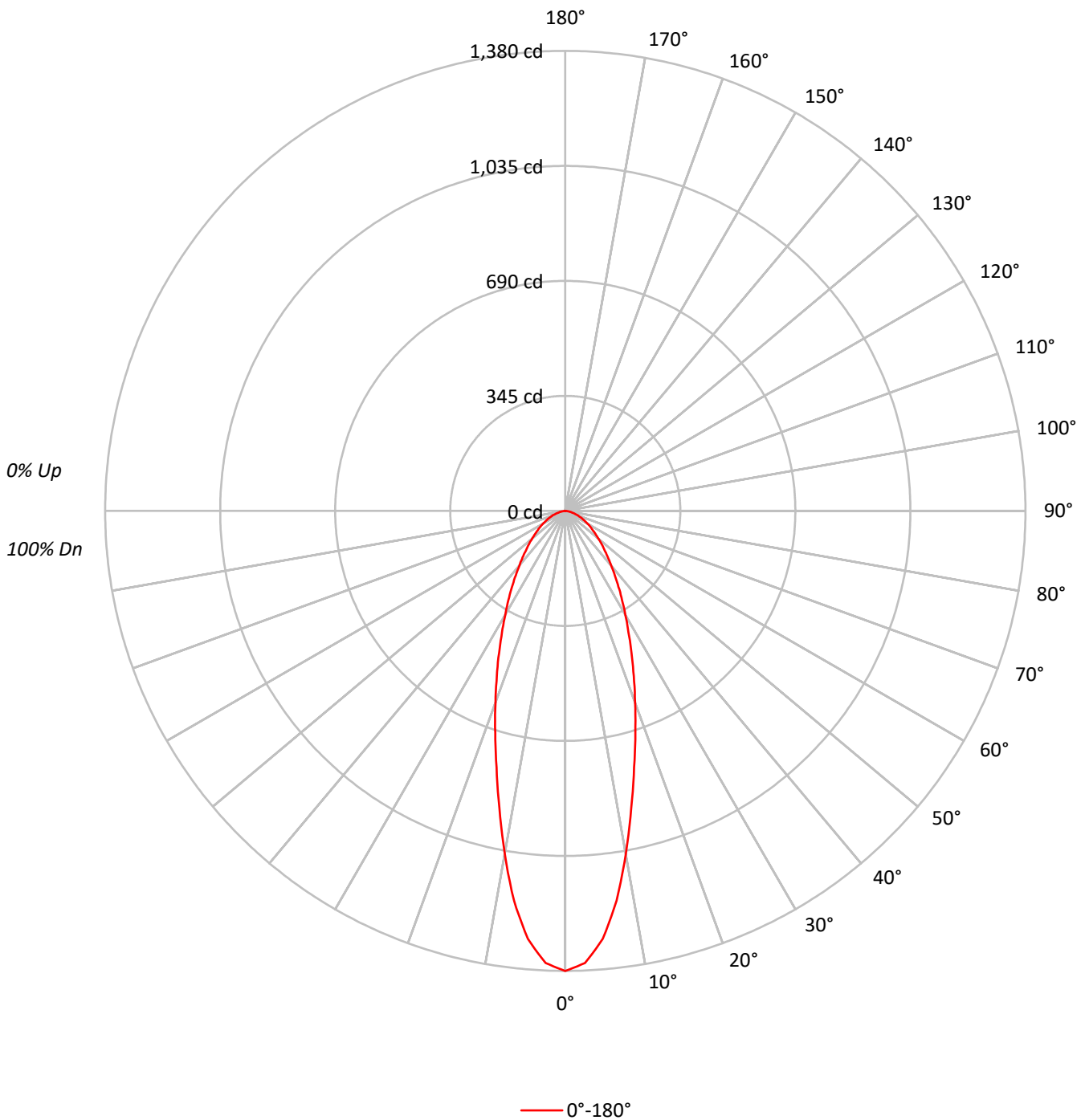
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1040.0 lumens
Efficiency: N/A
Efficacy: 36.1 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66
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

TEST NUMBER: P1249903
CATALOG NUMBER: P3AS20R159027D010 E3PHLD1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1249903
 CATALOG NUMBER: P3AS20R159027D010 E3PHLD1MW

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	102	102	102	100
1	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	95	93	92	90
2	104	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	87	85	82	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	77	74	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	75	71	67	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	70	65	62	60
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	65	60	57	55
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	61	56	53	51
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	58	53	49	47
9	69	58	51	47	68	57	51	46	56	50	46	55	50	46	54	49	46	54	49	46	44
10	65	54	48	44	64	54	48	44	53	47	43	52	47	43	52	47	43	52	47	43	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	302651
5°	283710
10°	232639
15°	180750
20°	142672
25°	113692
30°	91255
35°	74499
40°	61372
45°	51633
50°	44348
55°	38383
60°	34032
65°	29575
70°	26351
75°	21266
80°	17300
85°	11573

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 51633 cd/sqm



TEST NUMBER: P1249903
 CATALOG NUMBER: P3AS20R159027D010 E3PHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.1	11.1
10°-20°	223.0	21.4
20°-30°	216.7	20.8
30°-40°	175.2	16.8
40°-50°	130.1	12.5
50°-60°	90.9	8.7
60°-70°	57.0	5.5
70°-80°	27.1	2.6
80°-90°	5.0	0.5
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°	554.9	53.4
0°-40°	730.1	70.2
0°-60°	951.0	91.4
0°-90°	1040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1040.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1380	
5°	1289	115
15°	796	223
25°	470	217
35°	278	175
45°	166	130
55°	100	91
65°	57	57
75°	25	27
85°	5	5
90°	0	



TEST NUMBER: P1249903
CATALOG NUMBER: P3AS20R159027D010 E3PHLD1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1380.2
2.5°	1357.4
5°	1288.9
7.5°	1179.4
10°	1044.8
12.5°	912.5
15°	796.2
17.5°	698.1
20°	611.4
22.5°	536.1
25°	469.9
27.5°	410.6
30°	360.4
32.5°	317.1
35°	278.3
37.5°	244.1
40°	214.4
42.5°	189.3
45°	166.5
47.5°	148.3
50°	130.0
52.5°	114.1
55°	100.4
57.5°	89.0
60°	77.6
62.5°	66.2
65°	57.0
67.5°	47.9
70°	41.1
72.5°	31.9
75°	25.1
77.5°	18.3
80°	13.7
82.5°	6.8
85°	4.6
87.5°	0.0
90°	0.0

(END OF REPORT)