

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: P1268091

Luminaire Tested: P3A20R159735D010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1268091
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: P3A20R159735D010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

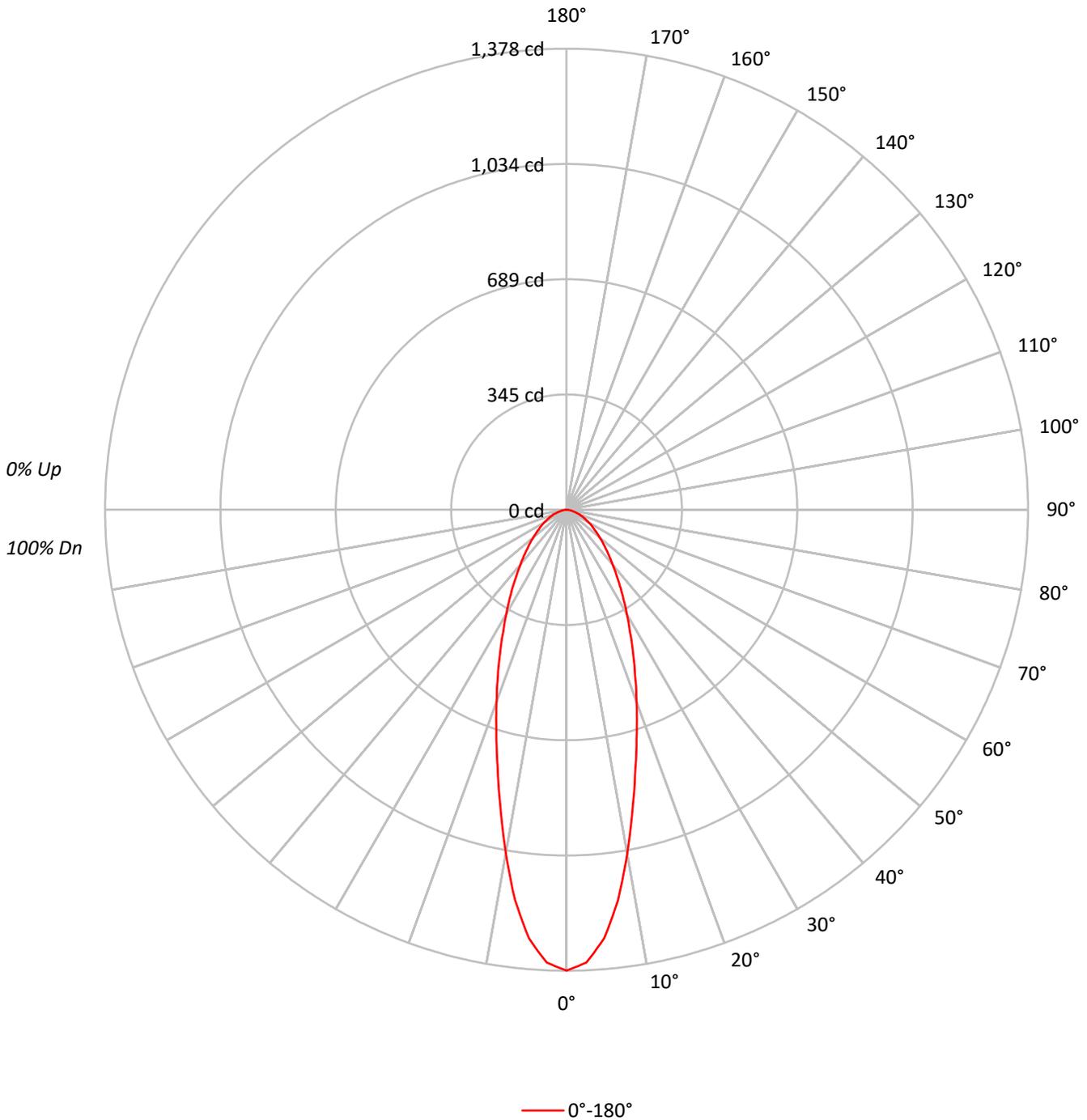
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1038.0 lumens
Efficiency: N/A
Efficacy: 36.0 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 (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

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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			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°	302059
5°	283160
10°	232193
15°	180387
20°	142392
25°	113474
30°	91077
35°	74365
40°	61258
45°	51540
50°	44280
55°	38307
60°	33945
65°	29523
70°	26286
75°	21181
80°	17300
85°	11573

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 51540 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.9	11.1
10°-20°	222.6	21.4
20°-30°	216.3	20.8
30°-40°	174.9	16.8
40°-50°	129.8	12.5
50°-60°	90.7	8.7
60°-70°	56.8	5.5
70°-80°	27.0	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°	553.8	53.4
0°-40°	728.7	70.2
0°-60°	949.2	91.4
0°-90°	1038.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1038.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1378	
5°	1286	115
15°	795	223
25°	469	216
35°	278	175
45°	166	130
55°	100	91
65°	57	57
75°	25	27
85°	5	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1377.5
2.5°	1354.7
5°	1286.4
7.5°	1177.1
10°	1042.8
12.5°	910.8
15°	794.6
17.5°	696.7
20°	610.2
22.5°	535.1
25°	469.0
27.5°	409.8
30°	359.7
32.5°	316.5
35°	277.8
37.5°	243.6
40°	214.0
42.5°	189.0
45°	166.2
47.5°	148.0
50°	129.8
52.5°	113.8
55°	100.2
57.5°	88.8
60°	77.4
62.5°	66.0
65°	56.9
67.5°	47.8
70°	41.0
72.5°	31.9
75°	25.0
77.5°	18.2
80°	13.7
82.5°	6.8
85°	4.6
87.5°	0.0
90°	0.0

(END OF REPORT)