

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: P1268092

Luminaire Tested: P3A20R159735D010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1268092
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: P3A20R159735D010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

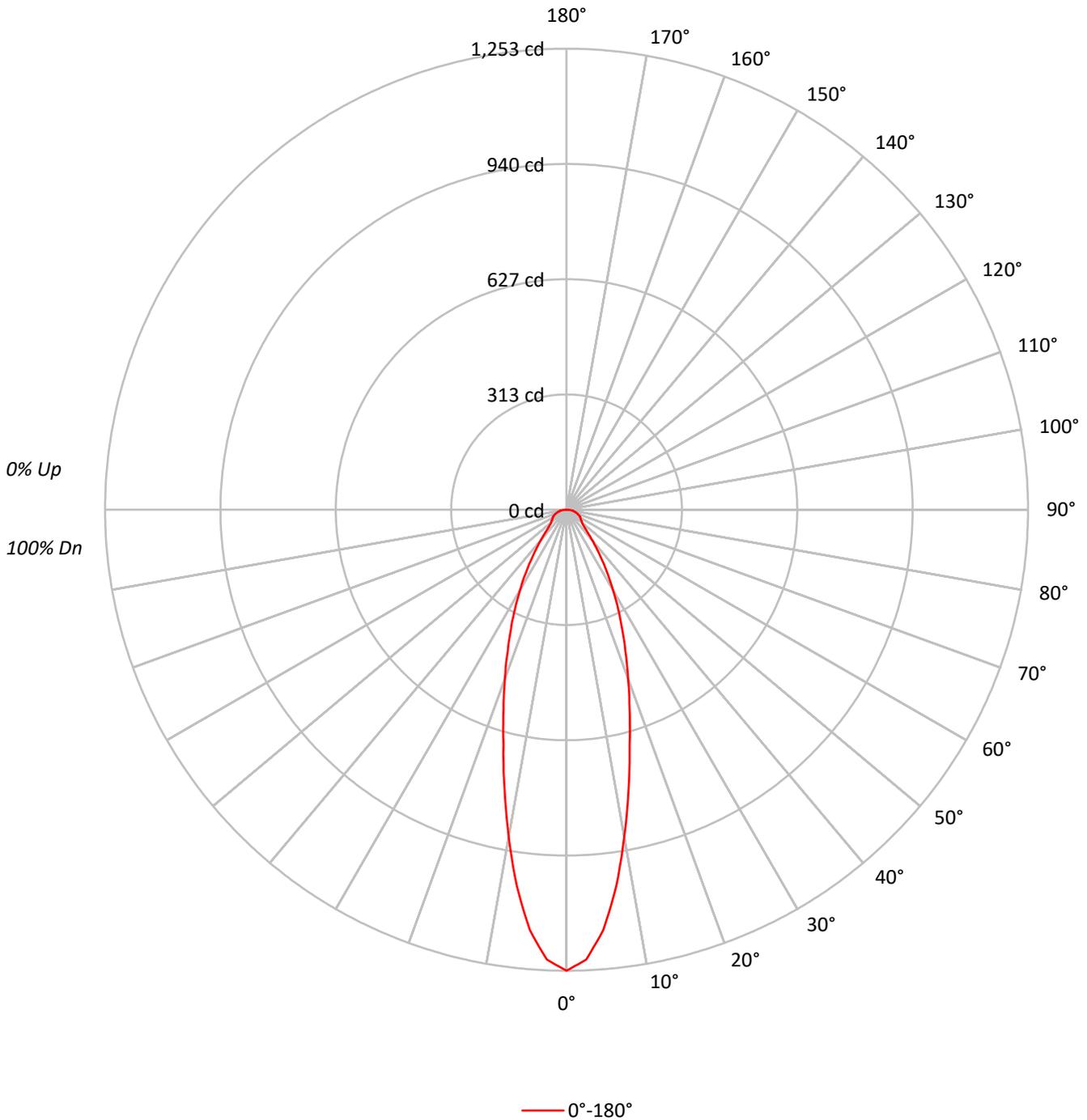
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 734.0 lumens
Efficiency: N/A
Efficacy: 25.5 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 (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	100	102	99	97	98	96	94	95	93	92	95	93	92	90
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	88	85	83	81
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	82	79	76	74
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	77	73	70	68
5	88	78	72	67	86	77	71	67	76	70	66	74	69	65	72	68	65	72	68	65	63
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	68	64	60	59
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	65	60	57	55
8	75	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	61	57	53	52
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	58	54	50	49
10	69	59	52	48	68	58	52	48	57	52	48	56	51	48	56	51	48	56	51	48	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	274715
5°	252256
10°	200998
15°	150217
20°	114087
25°	86376
30°	63909
35°	45642
40°	31230
45°	21863
50°	18626
55°	18236
60°	18946
65°	20080
70°	20388
75°	21181
80°	22983
85°	22895

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 82.5°
 Luminance: 26712 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.5	13.8
10°-20°	185.6	25.3
20°-30°	164.4	22.4
30°-40°	107.7	14.7
40°-50°	57.6	7.8
50°-60°	43.5	5.9
60°-70°	37.4	5.1
70°-80°	25.8	3.5
80°-90°	10.5	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°	451.5	61.5
0°-40°	559.2	76.2
0°-60°	660.2	90.0
0°-90°	734.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	734.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1253	
5°	1146	101
15°	662	186
25°	357	164
35°	170	108
45°	70	58
55°	48	43
65°	39	37
75°	25	26
85°	9	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1252.8
2.5°	1223.3
5°	1146.0
7.5°	1032.3
10°	902.7
12.5°	777.6
15°	661.7
17.5°	568.4
20°	488.9
22.5°	418.4
25°	357.0
27.5°	302.4
30°	252.4
32.5°	209.2
35°	170.5
37.5°	136.4
40°	109.1
42.5°	86.4
45°	70.5
47.5°	61.4
50°	54.6
52.5°	52.3
55°	47.7
57.5°	45.5
60°	43.2
62.5°	40.9
65°	38.7
67.5°	34.1
70°	31.8
72.5°	27.3
75°	25.0
77.5°	20.5
80°	18.2
82.5°	15.9
85°	9.1
87.5°	4.5
90°	0.0

(END OF REPORT)