

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: P1247542

Luminaire Tested: P3A20R159024D010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247542
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: P3A20R159024D010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

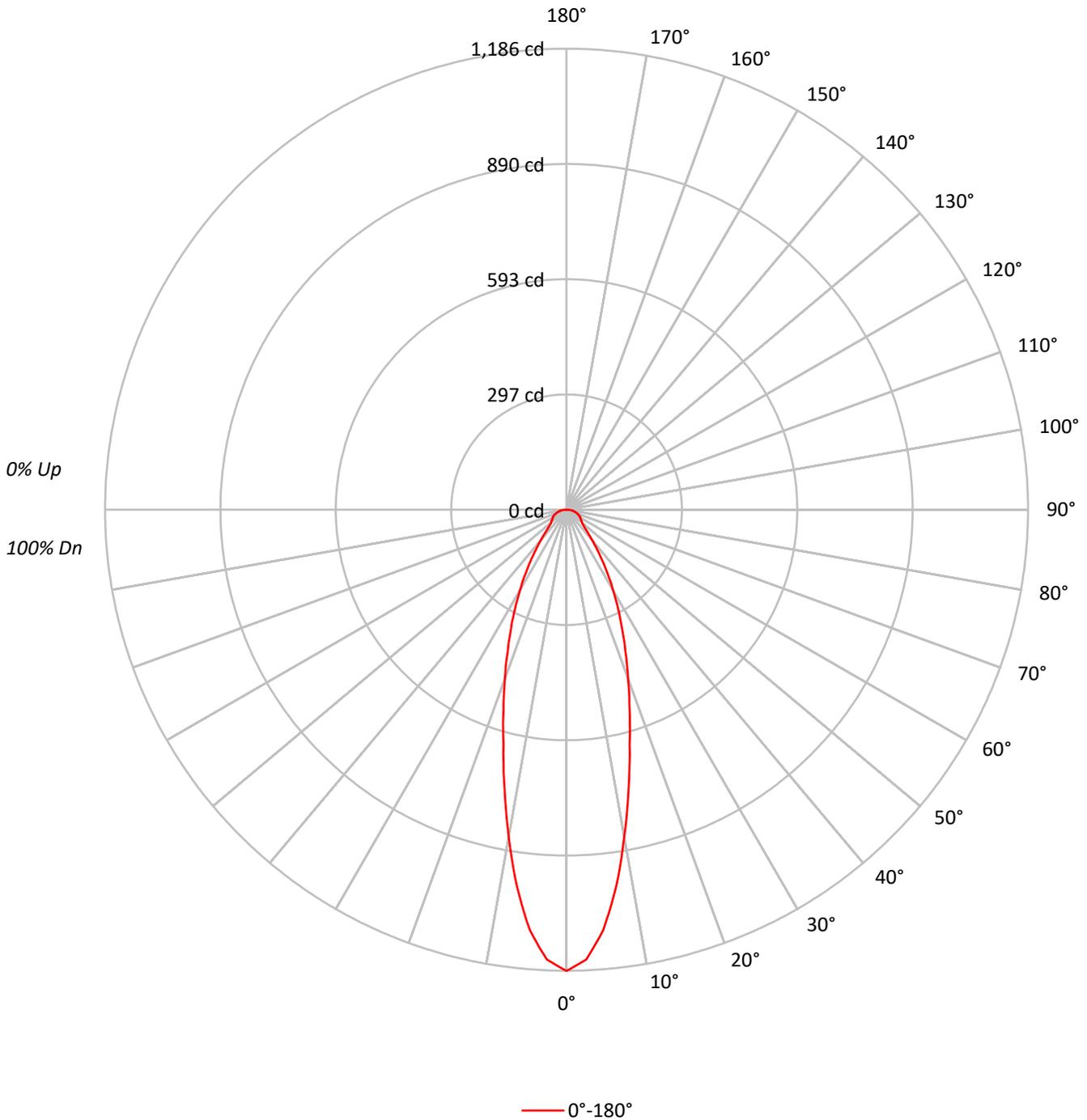
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 695.0 lumens
Efficiency: N/A
Efficacy: 24.1 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			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°	260133
5°	238850
10°	190310
15°	142226
20°	108019
25°	81779
30°	60516
35°	43232
40°	29570
45°	20684
50°	17637
55°	17280
60°	17937
65°	18990
70°	19298
75°	20079
80°	21720
85°	21637

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 82.5°
 Luminance: 25368 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.1	13.8
10°-20°	175.7	25.3
20°-30°	155.7	22.4
30°-40°	102.0	14.7
40°-50°	54.5	7.8
50°-60°	41.2	5.9
60°-70°	35.5	5.1
70°-80°	24.4	3.5
80°-90°	10.0	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°	427.5	61.5
0°-40°	529.5	76.2
0°-60°	625.1	89.9
0°-90°	695.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	695.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1186	
5°	1085	96
15°	626	176
25°	338	156
35°	162	102
45°	67	54
55°	45	41
65°	37	35
75°	24	24
85°	9	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1186.3
2.5°	1158.3
5°	1085.1
7.5°	977.4
10°	854.7
12.5°	736.3
15°	626.5
17.5°	538.2
20°	462.9
22.5°	396.1
25°	338.0
27.5°	286.3
30°	239.0
32.5°	198.1
35°	161.5
37.5°	129.2
40°	103.3
42.5°	81.8
45°	66.7
47.5°	58.1
50°	51.7
52.5°	49.5
55°	45.2
57.5°	43.1
60°	40.9
62.5°	38.8
65°	36.6
67.5°	32.3
70°	30.1
72.5°	25.8
75°	23.7
77.5°	19.4
80°	17.2
82.5°	15.1
85°	8.6
87.5°	4.3
90°	0.0

(END OF REPORT)