

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: P1304440

Luminaire Tested: P3RT02R089740DE010 E3PHUS1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1304440
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2408-211-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3RT02R089740DE010 E3PHUS1MW
Description: 3in Adjustable LED luminaire with, R08 optic, 4000K CCT AND, 97CRI , E3PHUS1MW TRIM
Light Source: -
Ballast/Driver: -

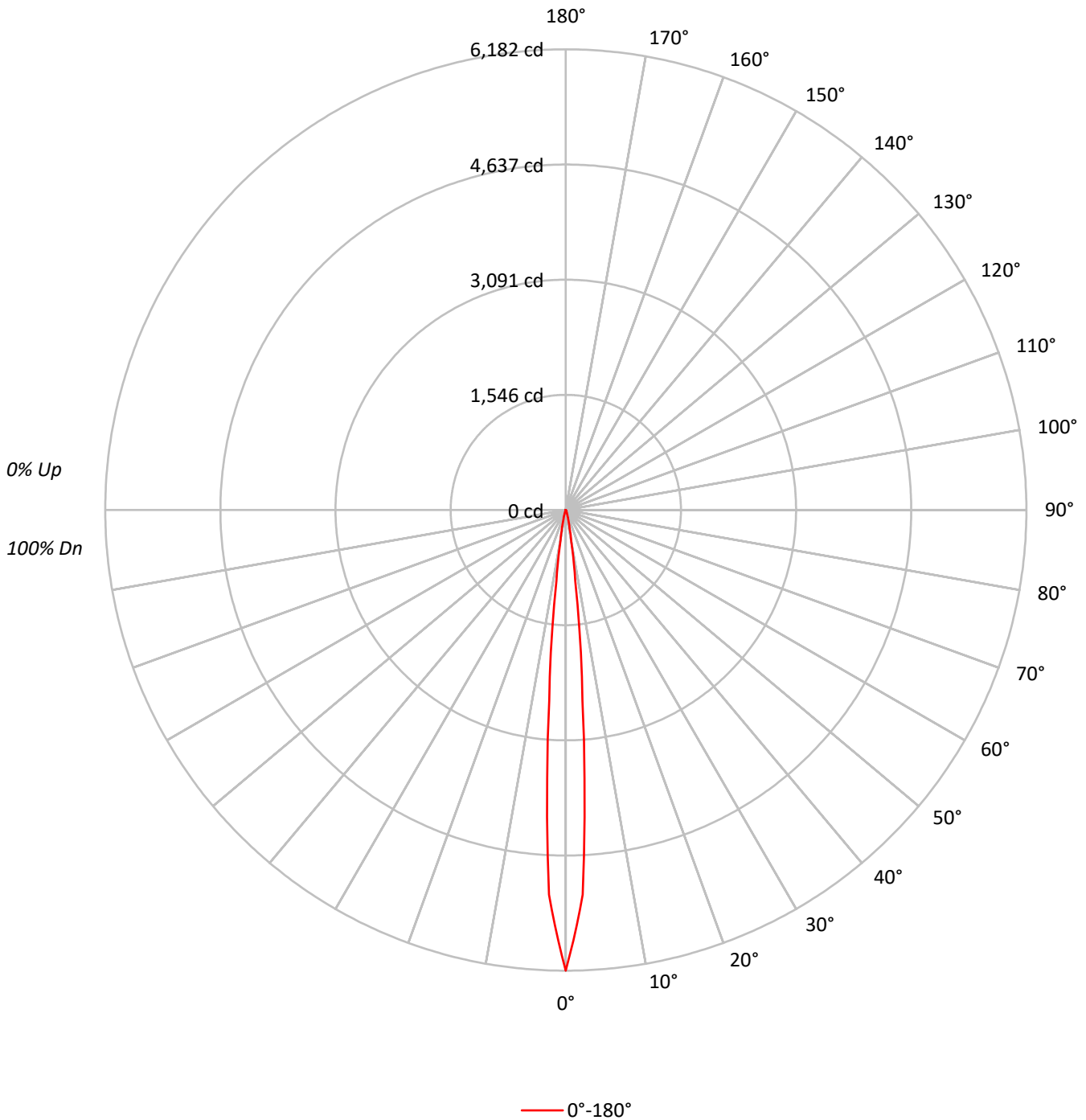
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 238.9 lumens
Efficiency: N/A
Efficacy: 48.8 lumens/watt
Spacing Criteria (0/90/45): 0.16 / 0.16 / 0.16
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 4.9
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	116	114	113	111	114	112	111	110	108	107	106	105	104	103	101	101	100	99	99	99
2	113	111	108	106	111	109	107	105	106	104	103	103	102	101	101	100	99	97	97	97
3	111	108	105	103	109	106	104	102	104	102	100	102	100	99	100	98	97	96	96	96
4	109	105	102	100	108	104	101	99	102	100	98	100	99	97	99	97	96	95	95	95
5	107	103	100	98	106	102	99	97	101	98	97	99	97	96	98	96	95	94	94	94
6	105	101	98	96	104	100	98	96	99	97	95	98	96	95	97	95	94	93	93	93
7	104	100	97	95	103	99	96	94	98	96	94	97	95	94	96	94	93	92	92	92
8	103	98	95	93	102	98	95	93	97	95	93	96	94	93	95	94	92	91	91	91
9	101	97	94	92	101	97	94	92	96	94	92	95	93	92	95	93	92	91	91	91
10	100	96	93	91	100	96	93	91	95	93	91	94	92	91	94	92	91	90	90	90

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	135527
5°	565242
10°	90958
15°	26061
20°	8797
25°	3871
30°	2152
35°	1499
40°	1345
45°	868
50°	648
55°	344
60°	395
65°	467
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 868 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.4	77.2
10°-20°	38.6	16.2
20°-30°	8.4	3.5
30°-40°	3.6	1.5
40°-50°	2.3	0.9
50°-60°	0.9	0.4
60°-70°	0.8	0.3
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	231.4	96.8
0°-40°	235.0	98.3
0°-60°	238.2	99.7
0°-90°	238.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	238.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6182	
5°	2568	184
15°	115	39
25°	16	8
35°	6	4
45°	3	2
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6181.7
2.5°	5167.0
5°	2567.9
7.5°	957.3
10°	408.5
12.5°	210.9
15°	114.8
17.5°	65.0
20°	37.7
22.5°	24.5
25°	16.0
27.5°	12.2
30°	8.5
32.5°	6.6
35°	5.6
37.5°	4.7
40°	4.7
42.5°	3.8
45°	2.8
47.5°	1.9
50°	1.9
52.5°	0.9
55°	0.9
57.5°	0.9
60°	0.9
62.5°	0.9
65°	0.9
67.5°	0.9
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)