

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: P1246465

Luminaire Tested: P3A09R259024DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246465
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R259024DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

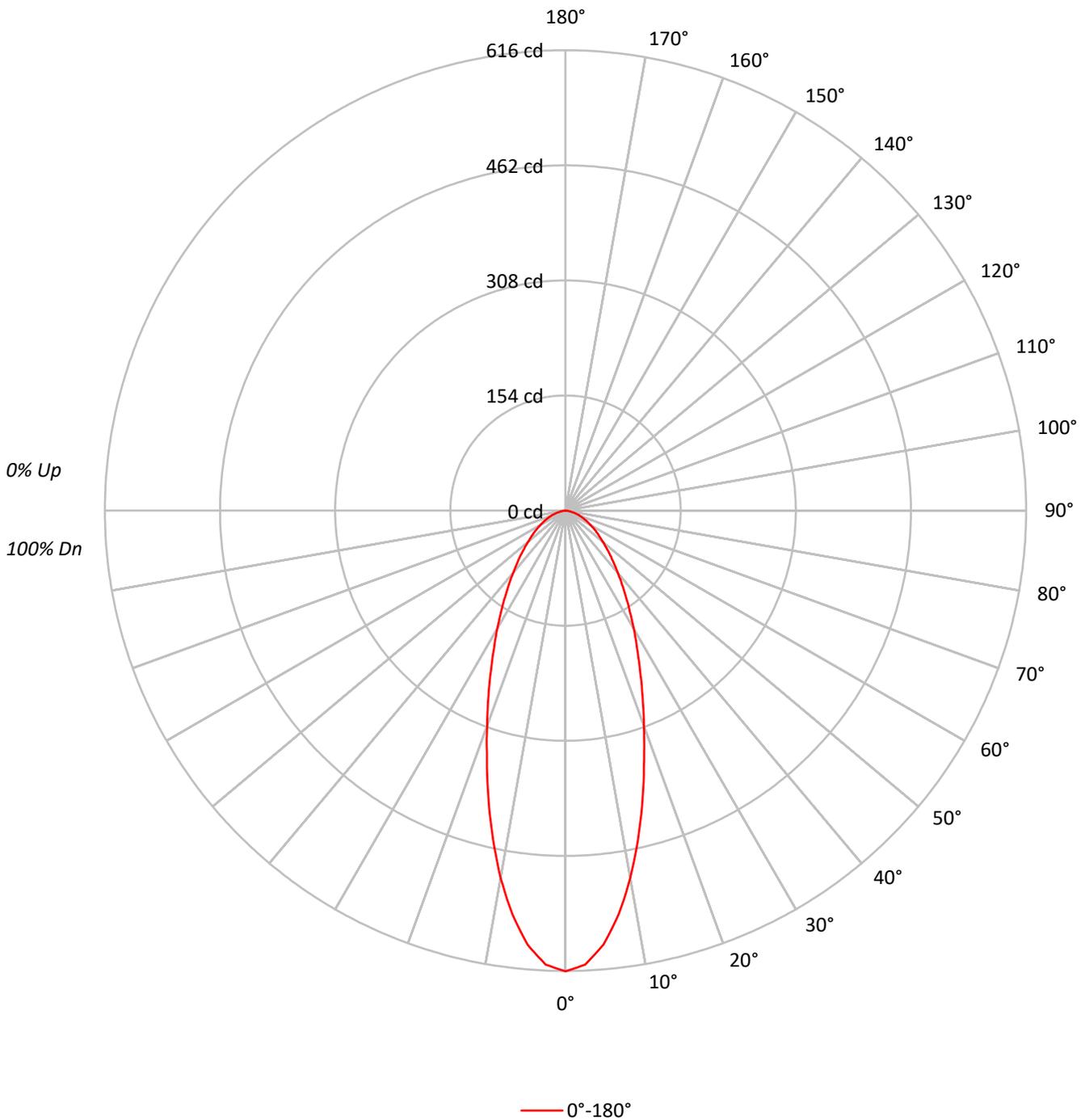
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 518.0 lumens
Efficiency: N/A
Efficacy: 46.7 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.62 / 0.71
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	100			100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	95	93	92	90			90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80			80
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	72			72
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65			65
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59			59
6	81	70	63	58	79	69	62	57	68	62	57	66	61	57	65	60	56	55			55
7	76	65	58	53	75	64	58	53	63	57	53	62	56	52	61	56	52	50			50
8	72	61	54	49	71	60	54	49	59	53	49	58	53	49	57	52	48	47			47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44			44
10	65	54	47	43	64	53	47	43	52	47	43	52	46	43	51	46	42	41			41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	135165
5°	128285
10°	111131
15°	90466
20°	71476
25°	57003
30°	46210
35°	37638
40°	31173
45°	26266
50°	22242
55°	19574
60°	17148
65°	14995
70°	13143
75°	11014
80°	8208
85°	4780

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 26266 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.9	10.2
10°-20°	110.5	21.3
20°-30°	108.9	21.0
30°-40°	88.7	17.1
40°-50°	65.8	12.7
50°-60°	45.9	8.9
60°-70°	28.8	5.6
70°-80°	13.9	2.7
80°-90°	2.7	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°	272.3	52.6
0°-40°	361.0	69.7
0°-60°	472.7	91.3
0°-90°	518.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	518.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	616	
5°	583	53
15°	398	111
25°	236	109
35°	141	89
45°	85	66
55°	51	46
65°	29	29
75°	13	14
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	616.4
2.5°	608.0
5°	582.8
7.5°	544.7
10°	499.1
12.5°	448.8
15°	398.5
17.5°	349.1
20°	306.3
22.5°	269.1
25°	235.6
27.5°	206.7
30°	182.5
32.5°	160.1
35°	140.6
37.5°	123.8
40°	108.9
42.5°	95.9
45°	84.7
47.5°	74.5
50°	65.2
52.5°	57.7
55°	51.2
57.5°	44.7
60°	39.1
62.5°	33.5
65°	28.9
67.5°	24.2
70°	20.5
72.5°	16.8
75°	13.0
77.5°	9.3
80°	6.5
82.5°	3.7
85°	1.9
87.5°	0.9
90°	0.0

(END OF REPORT)