

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: P1269747

Luminaire Tested: P3AS13R159740DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1269747
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: P3AS13R159740DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

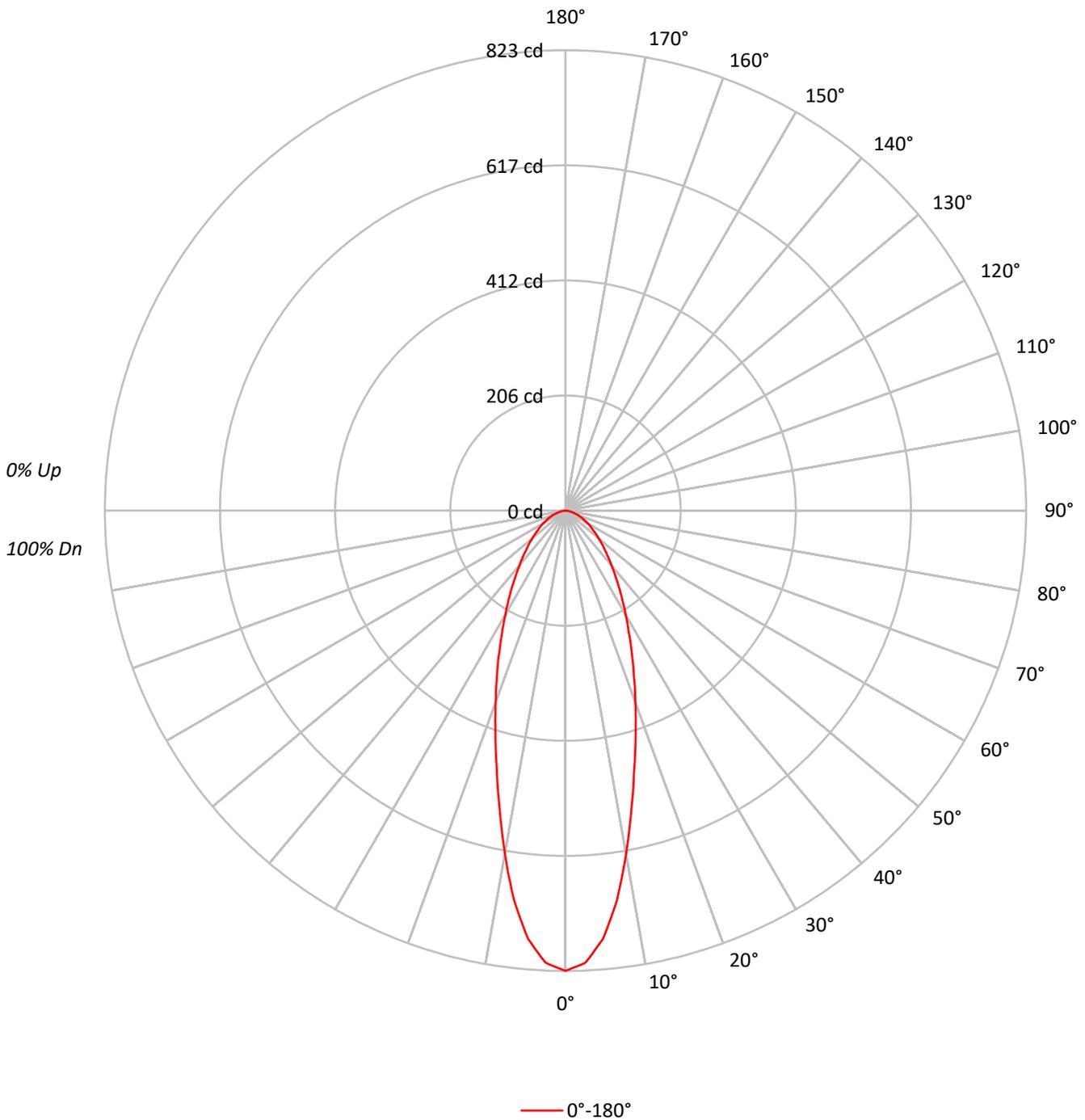
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 620.0 lumens
Efficiency: N/A
Efficacy: 42.5 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	100	100
1	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90	90	90	90
2	104	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80	80	80	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72	72	72	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66	66	66	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60	60	60	60
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55	55	55	55
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51	51	51	51
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47	47	47	47
9	69	58	51	47	68	57	51	46	56	50	46	55	50	46	54	49	46	44	44	44	44
10	65	54	48	44	64	54	48	44	53	47	43	52	47	43	52	47	43	42	42	42	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	180424
5°	169139
10°	138697
15°	107742
20°	85057
25°	67794
30°	54413
35°	44410
40°	36583
45°	30794
50°	26438
55°	22862
60°	20262
65°	17641
70°	15708
75°	12709
80°	10355
85°	6793

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 30794 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.6	11.1
10°-20°	133.0	21.4
20°-30°	129.2	20.8
30°-40°	104.4	16.8
40°-50°	77.5	12.5
50°-60°	54.2	8.7
60°-70°	33.9	5.5
70°-80°	16.1	2.6
80°-90°	3.0	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°	330.8	53.4
0°-40°	435.2	70.2
0°-60°	566.9	91.4
0°-90°	620.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	620.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	823	
5°	768	69
15°	475	133
25°	280	129
35°	166	104
45°	99	78
55°	60	54
65°	34	34
75°	15	16
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	822.8
2.5°	809.2
5°	768.4
7.5°	703.1
10°	622.9
12.5°	544.0
15°	474.6
17.5°	416.2
20°	364.5
22.5°	319.6
25°	280.2
27.5°	244.8
30°	214.9
32.5°	189.0
35°	165.9
37.5°	145.5
40°	127.8
42.5°	112.9
45°	99.3
47.5°	88.4
50°	77.5
52.5°	68.0
55°	59.8
57.5°	53.0
60°	46.2
62.5°	39.4
65°	34.0
67.5°	28.6
70°	24.5
72.5°	19.0
75°	15.0
77.5°	10.9
80°	8.2
82.5°	4.1
85°	2.7
87.5°	0.0
90°	0.0

(END OF REPORT)