

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: P1271877

Luminaire Tested: P3AS13R159827DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271877
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: P3AS13R159827DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

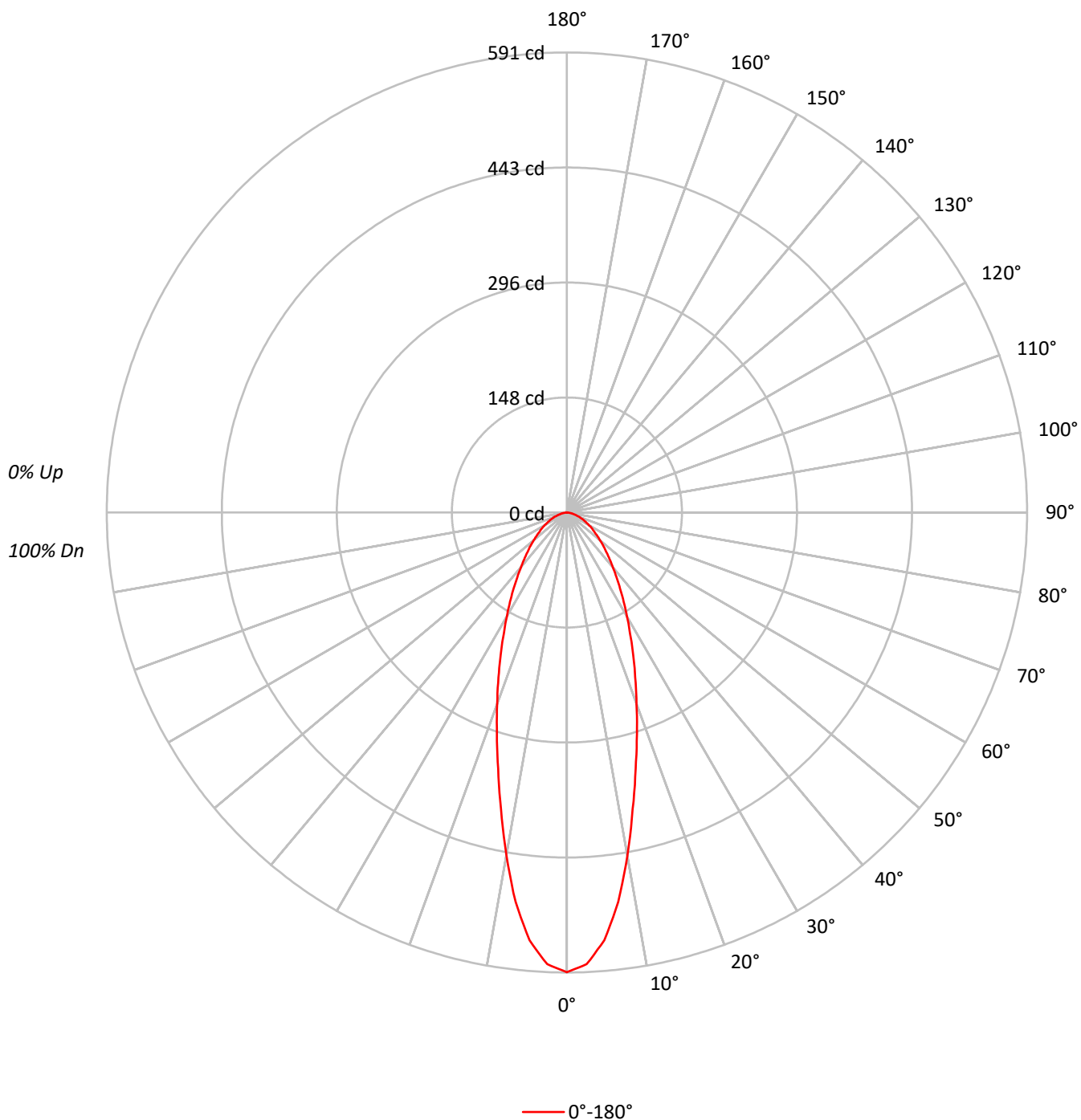
Lumens per Lamp: N/A
Luminaire Lumens: 445.0 lumens
Efficiency: N/A
Efficacy: 30.7 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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
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		
1	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90		
2	104	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80		
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72		
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66		
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60		
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55		
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51		
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47		
9	69	58	51	47	68	57	51	46	56	50	46	55	50	46	54	49	46	44		
10	65	54	48	44	64	54	48	44	53	47	43	52	47	43	52	47	43	42		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	129507
5°	121395
10°	99553
15°	77344
20°	61045
25°	48656
30°	39044
35°	31882
40°	26278
45°	22111
50°	18967
55°	16401
60°	14560
65°	12660
70°	11284
75°	9065
80°	7450
85°	5032

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22111 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.3	11.1
10°-20°	95.4	21.4
20°-30°	92.7	20.8
30°-40°	75.0	16.8
40°-50°	55.7	12.5
50°-60°	38.9	8.7
60°-70°	24.4	5.5
70°-80°	11.6	2.6
80°-90°	2.1	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°	237.4	53.4
0°-40°	312.4	70.2
0°-60°	406.9	91.4
0°-90°	445.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	445.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	591	
5°	552	49
15°	341	95
25°	201	93
35°	119	75
45°	71	56
55°	43	39
65°	24	24
75°	11	12
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	590.6
2.5°	580.8
5°	551.5
7.5°	504.7
10°	447.1
12.5°	390.4
15°	340.7
17.5°	298.7
20°	261.6
22.5°	229.4
25°	201.1
27.5°	175.7
30°	154.2
32.5°	135.7
35°	119.1
37.5°	104.4
40°	91.8
42.5°	81.0
45°	71.3
47.5°	63.4
50°	55.6
52.5°	48.8
55°	42.9
57.5°	38.1
60°	33.2
62.5°	28.3
65°	24.4
67.5°	20.5
70°	17.6
72.5°	13.7
75°	10.7
77.5°	7.8
80°	5.9
82.5°	2.9
85°	2.0
87.5°	0.0
90°	0.0

(END OF REPORT)