

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: P1271903

Luminaire Tested: P3AS13R209827DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271903
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R209827DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

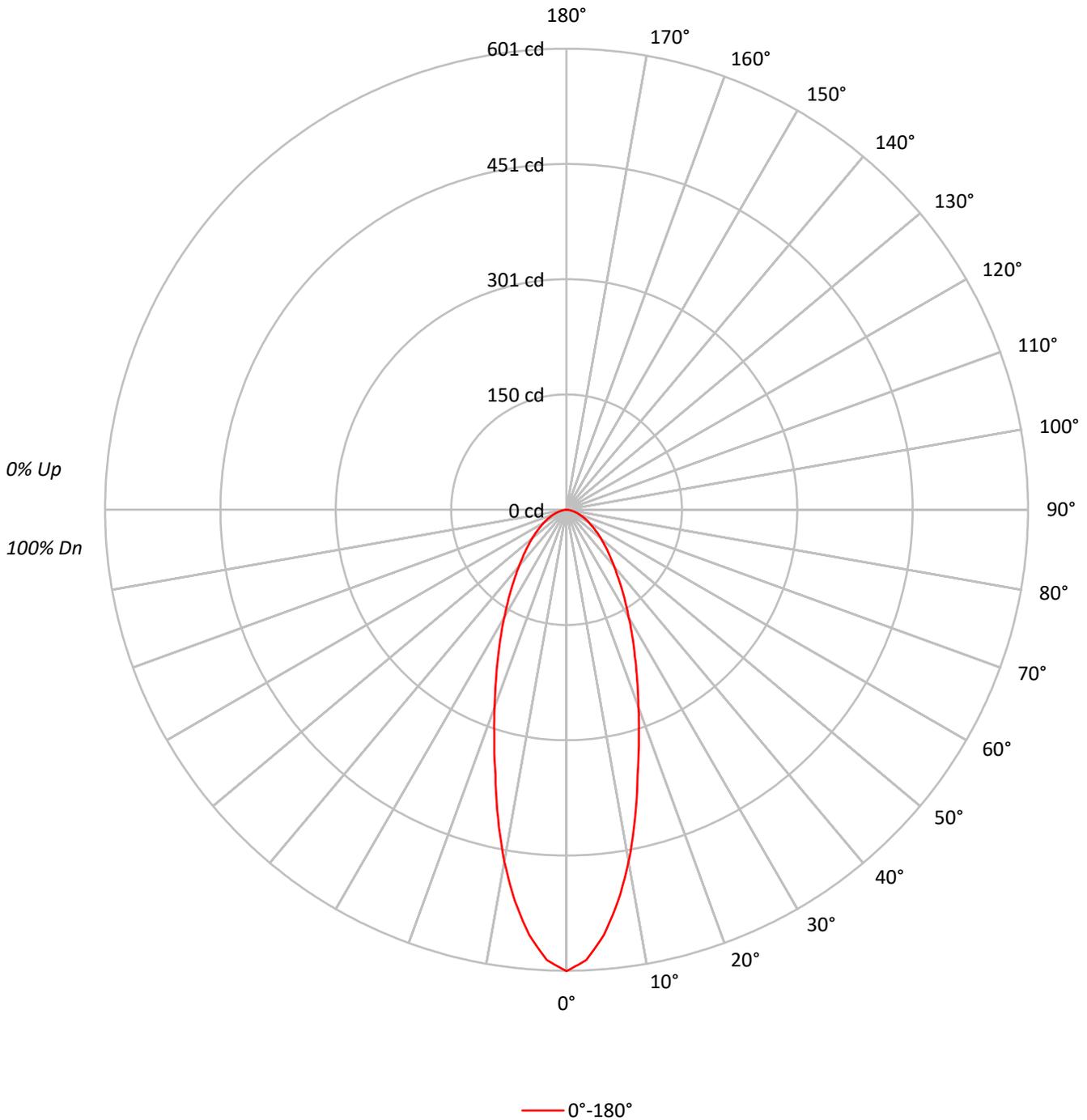
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 465.0 lumens
Efficiency: N/A
Efficacy: 32.1 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	131875
5°	122518
10°	103739
15°	81204
20°	63916
25°	50930
30°	40968
35°	33408
40°	27623
45°	23289
50°	19957
55°	17127
60°	14955
65°	13127
70°	11220
75°	9913
80°	7324
85°	4780

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 23289 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.2	10.8
10°-20°	100.1	21.5
20°-30°	97.2	20.9
30°-40°	78.6	16.9
40°-50°	58.4	12.6
50°-60°	40.6	8.7
60°-70°	25.4	5.5
70°-80°	12.3	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°	247.6	53.3
0°-40°	326.2	70.2
0°-60°	425.2	91.4
0°-90°	465.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	465.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	601	
5°	557	50
15°	358	100
25°	210	97
35°	125	79
45°	75	58
55°	45	41
65°	25	25
75°	12	12
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	601.4
2.5°	587.7
5°	556.6
7.5°	514.6
10°	465.9
12.5°	412.3
15°	357.7
17.5°	312.9
20°	273.9
22.5°	239.8
25°	210.5
27.5°	185.2
30°	161.8
32.5°	142.3
35°	124.8
37.5°	109.2
40°	96.5
42.5°	84.8
45°	75.1
47.5°	66.3
50°	58.5
52.5°	51.7
55°	44.8
57.5°	39.0
60°	34.1
62.5°	30.2
65°	25.3
67.5°	21.4
70°	17.5
72.5°	14.6
75°	11.7
77.5°	8.8
80°	5.8
82.5°	2.9
85°	1.9
87.5°	0.0
90°	0.0

(END OF REPORT)