

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: P1249209

Luminaire Tested: P3AS13R209027DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249209
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R209027DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

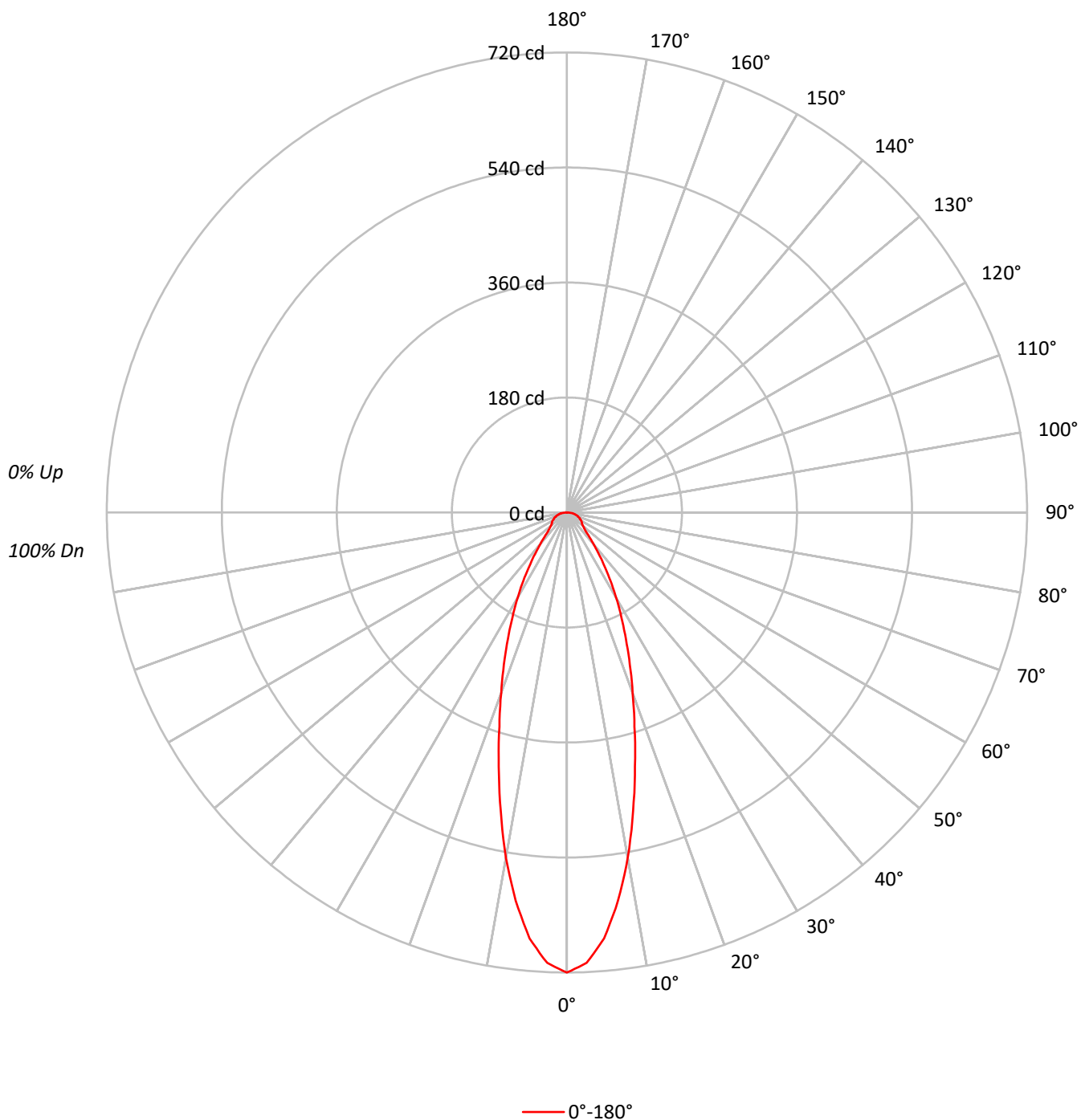
Lumens per Lamp: N/A
Luminaire Lumens: 444.0 lumens
Efficiency: N/A
Efficacy: 30.4 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81		
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74		
4	93	84	78	73	91	83	77	73	81	76	72	79	74	71	77	73	70	68		
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63		
6	84	74	67	62	82	73	66	62	71	66	61	70	65	61	68	64	61	59		
7	79	69	63	58	78	68	62	58	67	62	57	66	61	57	65	60	57	55		
8	76	65	59	54	74	65	58	54	64	58	54	62	57	54	61	57	53	52		
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49		
10	69	59	52	48	68	58	52	48	57	52	48	57	52	48	56	51	48	46		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	157882
5°	147281
10°	122220
15°	93440
20°	70146
25°	52793
30°	39044
35°	27278
40°	18692
45°	12963
50°	11155
55°	10972
60°	11446
65°	11519
70°	11733
75°	12200
80°	13259
85°	13083

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 82.5°
Luminance: 15288 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.9	13.5
10°-20°	114.5	25.8
20°-30°	100.7	22.7
30°-40°	65.0	14.6
40°-50°	34.5	7.8
50°-60°	25.9	5.8
60°-70°	22.0	5.0
70°-80°	15.5	3.5
80°-90°	6.0	1.4
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°	275.1	62.0
0°-40°	340.1	76.6
0°-60°	400.4	90.2
0°-90°	444.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	444.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	720	
5°	669	60
15°	412	114
25°	218	101
35°	102	65
45°	42	34
55°	29	26
65°	22	22
75°	14	16
85°	5	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	720.0
2.5°	705.7
5°	669.1
7.5°	612.9
10°	548.9
12.5°	478.3
15°	411.6
17.5°	351.5
20°	300.6
22.5°	257.4
25°	218.2
27.5°	184.3
30°	154.2
32.5°	126.8
35°	101.9
37.5°	82.3
40°	65.3
42.5°	52.3
45°	41.8
47.5°	36.6
50°	32.7
52.5°	30.1
55°	28.7
57.5°	27.4
60°	26.1
62.5°	23.5
65°	22.2
67.5°	20.9
70°	18.3
72.5°	17.0
75°	14.4
77.5°	13.1
80°	10.5
82.5°	9.1
85°	5.2
87.5°	2.6
90°	0.0

(END OF REPORT)