

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: P1272249

Luminaire Tested: P3AS17R209827DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272249
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: P3AS17R209827DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

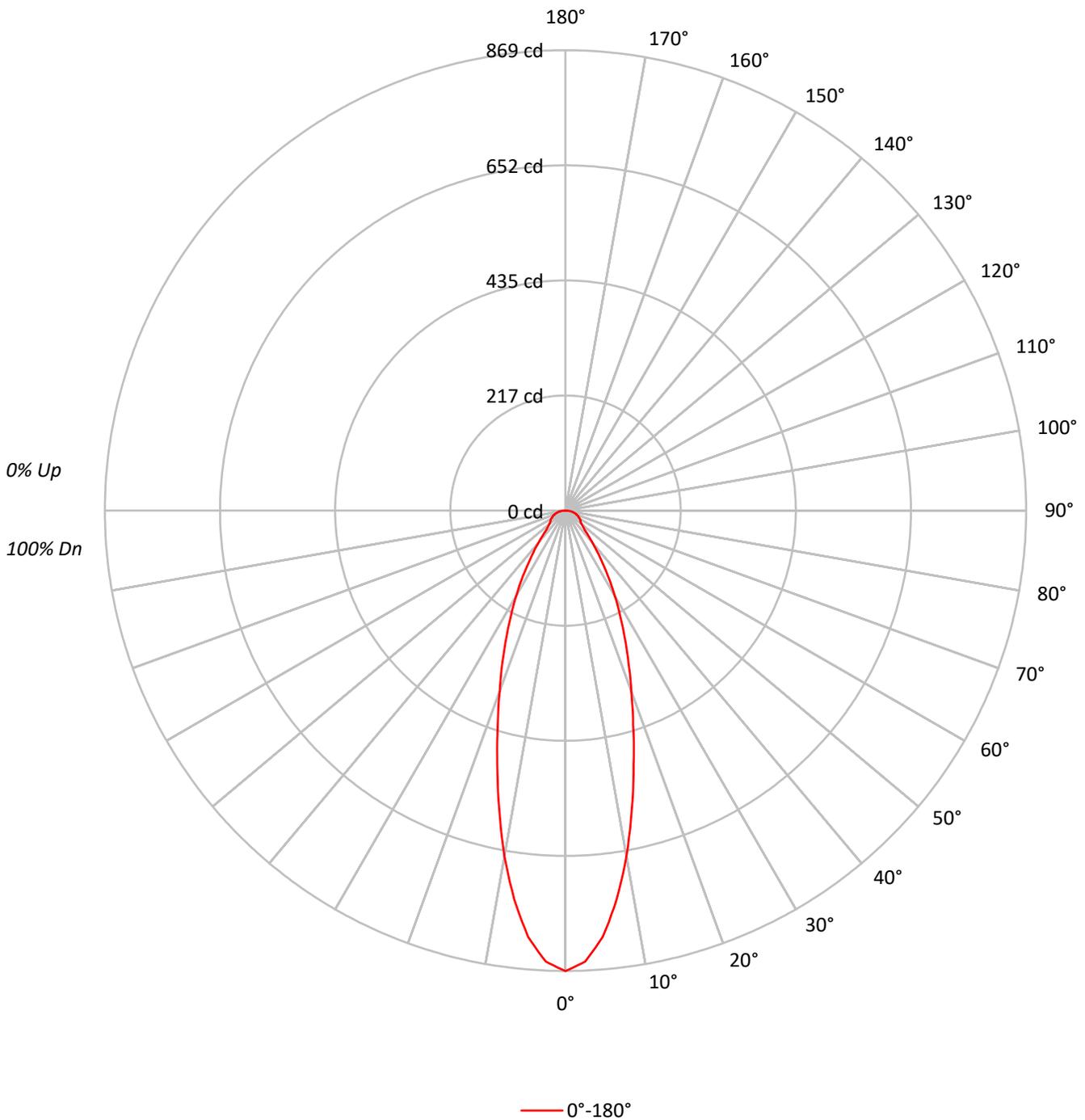
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 536.0 lumens
Efficiency: N/A
Efficacy: 26.3 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): 20.4
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	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81			81
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74			74
4	93	84	78	73	91	83	77	73	81	76	72	79	74	71	77	73	70	68			68
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63			63
6	84	74	67	62	82	73	66	62	71	66	61	70	65	61	68	64	61	59			59
7	79	69	63	58	78	68	62	58	67	62	57	66	61	57	65	60	57	55			55
8	76	65	59	54	74	65	58	54	64	58	54	62	57	54	61	57	53	52			52
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49			49
10	69	59	52	48	68	58	52	48	57	52	48	57	52	48	56	51	48	46			46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	190599
5°	177790
10°	147537
15°	112804
20°	84661
25°	63754
30°	47146
35°	32953
40°	22585
45°	15661
50°	13441
55°	13266
60°	13859
65°	13906
70°	14169
75°	14742
80°	15911
85°	15851

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 82.5°
 Luminance: 18480 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.4	13.5
10°-20°	138.2	25.8
20°-30°	121.6	22.7
30°-40°	78.5	14.6
40°-50°	41.6	7.8
50°-60°	31.2	5.8
60°-70°	26.6	5.0
70°-80°	18.8	3.5
80°-90°	7.3	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°	332.1	62.0
0°-40°	410.6	76.6
0°-60°	483.4	90.2
0°-90°	536.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	536.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	869	
5°	808	72
15°	497	138
25°	264	122
35°	123	78
45°	50	42
55°	35	31
65°	27	27
75°	17	19
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	869.2
2.5°	851.9
5°	807.7
7.5°	739.9
10°	662.6
12.5°	577.4
15°	496.9
17.5°	424.4
20°	362.8
22.5°	310.8
25°	263.5
27.5°	222.4
30°	186.2
32.5°	153.0
35°	123.1
37.5°	99.4
40°	78.9
42.5°	63.1
45°	50.5
47.5°	44.2
50°	39.4
52.5°	36.3
55°	34.7
57.5°	33.1
60°	31.6
62.5°	28.4
65°	26.8
67.5°	25.2
70°	22.1
72.5°	20.5
75°	17.4
77.5°	15.8
80°	12.6
82.5°	11.0
85°	6.3
87.5°	3.2
90°	0.0

(END OF REPORT)