

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: P1273974

Luminaire Tested: P3A13R209830DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1273974
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: P3A13R209830DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

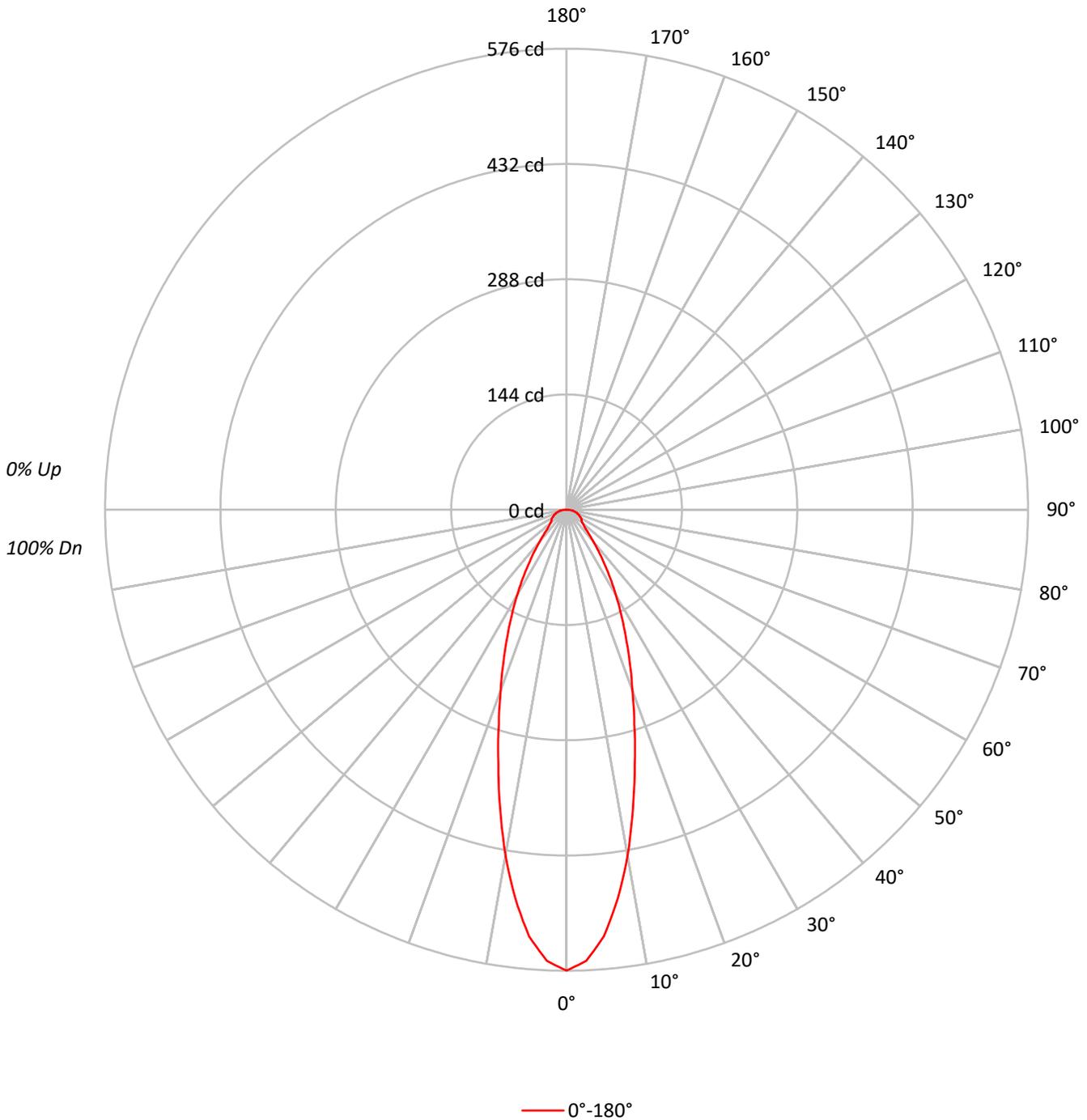
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 355.0 lumens
Efficiency: N/A
Efficacy: 24.5 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): 14.5
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	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	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81	81	81	81
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74	74	74	74
4	93	84	78	73	91	83	77	73	81	76	72	79	74	71	77	73	70	68	68	68	68
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63	63	63	63
6	84	74	67	62	82	73	66	62	71	66	61	70	65	61	68	64	61	59	59	59	59
7	79	69	63	58	78	68	62	58	67	62	57	66	61	57	65	60	57	55	55	55	55
8	76	65	59	54	74	65	58	54	64	58	54	62	57	54	61	57	53	52	52	52	52
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49	49	49	49
10	69	59	52	48	68	58	52	48	57	52	48	57	52	48	56	51	48	46	46	46	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	126240
5°	117763
10°	97705
15°	74711
20°	56075
25°	42220
30°	31220
35°	21817
40°	14942
45°	10358
50°	8904
55°	8793
60°	9166
65°	9236
70°	9361
75°	9743
80°	10607
85°	10567

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 82.5°
 Luminance: 12264 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.9	13.5
10°-20°	91.5	25.8
20°-30°	80.5	22.7
30°-40°	52.0	14.6
40°-50°	27.5	7.8
50°-60°	20.7	5.8
60°-70°	17.6	5.0
70°-80°	12.4	3.5
80°-90°	4.8	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°	219.9	62.0
0°-40°	271.9	76.6
0°-60°	320.1	90.2
0°-90°	355.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	355.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	576	
5°	535	48
15°	329	92
25°	174	81
35°	82	52
45°	33	28
55°	23	21
65°	18	18
75°	12	12
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	575.7
2.5°	564.2
5°	535.0
7.5°	490.0
10°	438.8
12.5°	382.4
15°	329.1
17.5°	281.1
20°	240.3
22.5°	205.8
25°	174.5
27.5°	147.3
30°	123.3
32.5°	101.3
35°	81.5
37.5°	65.8
40°	52.2
42.5°	41.8
45°	33.4
47.5°	29.3
50°	26.1
52.5°	24.0
55°	23.0
57.5°	21.9
60°	20.9
62.5°	18.8
65°	17.8
67.5°	16.7
70°	14.6
72.5°	13.6
75°	11.5
77.5°	10.4
80°	8.4
82.5°	7.3
85°	4.2
87.5°	2.1
90°	0.0

(END OF REPORT)