

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: P1246983

Luminaire Tested: P3A13R459024DE010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246983
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R459024DE010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 2400K CCT AND, 90CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

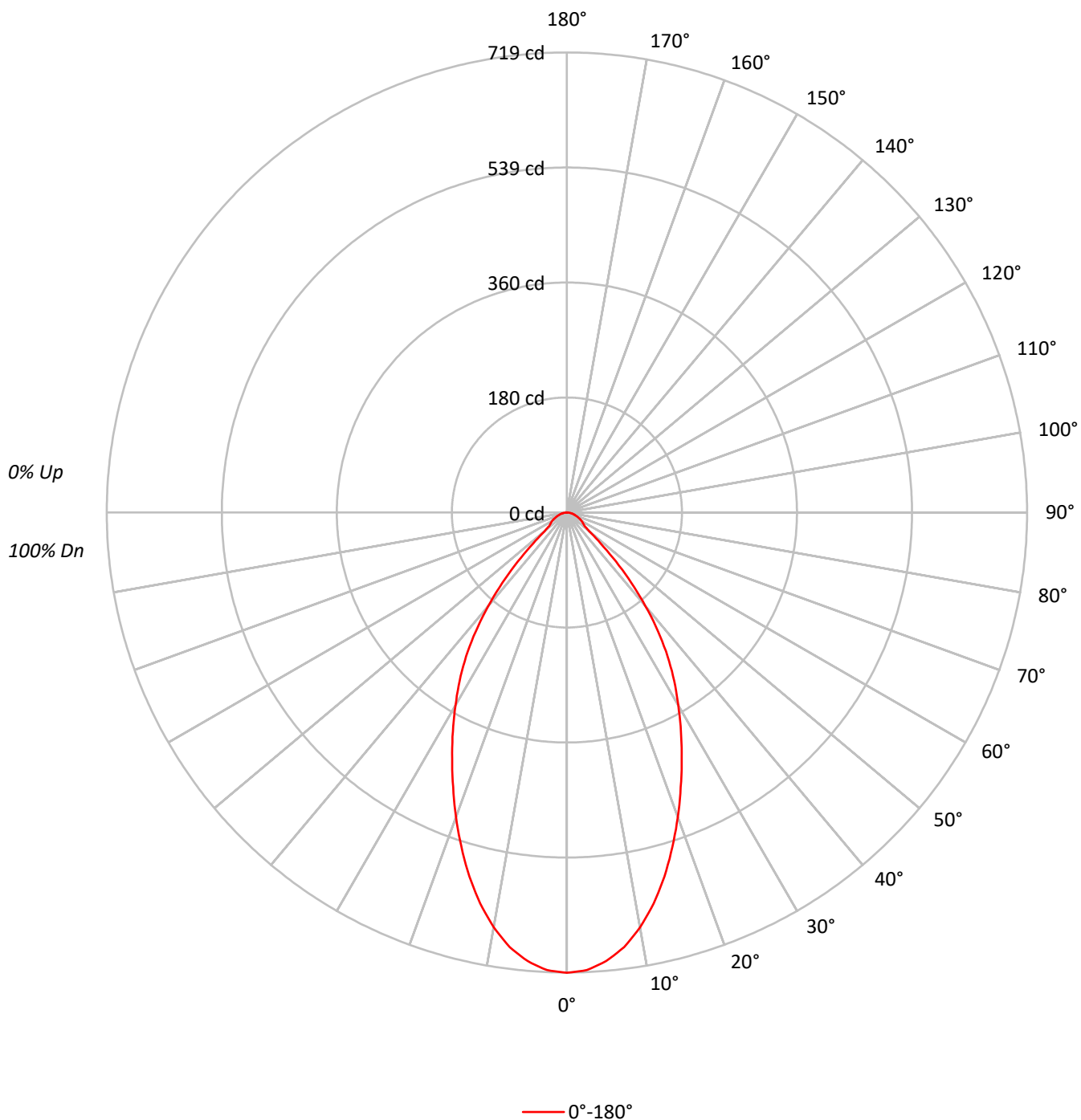
Lumens per Lamp: N/A
Luminaire Lumens: 744.0 lumens
Efficiency: N/A
Efficacy: 51.0 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	99	92	86	82	97	90	85	81	88	83	80	85	81	78	83	80	77	75		
4	94	85	78	74	92	84	78	73	81	76	72	79	75	71	77	74	71	69		
5	88	79	72	67	86	78	71	67	76	70	66	74	69	65	72	68	65	63		
6	83	73	66	61	81	72	66	61	71	65	61	69	64	60	68	63	60	58		
7	78	68	61	57	77	67	61	56	66	60	56	65	60	56	64	59	55	54		
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50		
9	70	60	53	49	69	59	53	49	58	52	48	57	52	48	56	52	48	47		
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	44		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	157751
5°	154941
10°	146624
15°	133712
20°	118240
25°	102683
30°	88140
35°	73455
40°	54731
45°	33492
50°	15488
55°	12119
60°	11666
65°	10689
70°	9873
75°	9404
80°	8713
85°	6542

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 33492 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.8	8.8
10°-20°	164.0	22.0
20°-30°	194.8	26.2
30°-40°	169.3	22.8
40°-50°	84.9	11.4
50°-60°	29.5	4.0
60°-70°	20.7	2.8
70°-80°	11.5	1.6
80°-90°	3.5	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°	424.6	57.1
0°-40°	593.9	79.8
0°-60°	708.3	95.2
0°-90°	744.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	744.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	719	
5°	704	66
15°	589	164
25°	424	195
35°	274	169
45°	108	85
55°	32	29
65°	21	21
75°	11	12
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	719.4
2.5°	715.9
5°	703.9
7.5°	685.1
10°	658.5
12.5°	625.9
15°	589.0
17.5°	547.9
20°	506.7
22.5°	464.7
25°	424.4
27.5°	385.8
30°	348.1
32.5°	312.1
35°	274.4
37.5°	234.1
40°	191.2
42.5°	149.2
45°	108.0
47.5°	71.2
50°	45.4
52.5°	35.2
55°	31.7
57.5°	29.2
60°	26.6
62.5°	24.0
65°	20.6
67.5°	18.0
70°	15.4
72.5°	12.9
75°	11.1
77.5°	8.6
80°	6.9
82.5°	5.1
85°	2.6
87.5°	1.7
90°	0.0

(END OF REPORT)