

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: P1247036

Luminaire Tested: P3A13R559024DE010 E3DL1WH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247036
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R559024DE010 E3DL1WH
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , E3DL1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

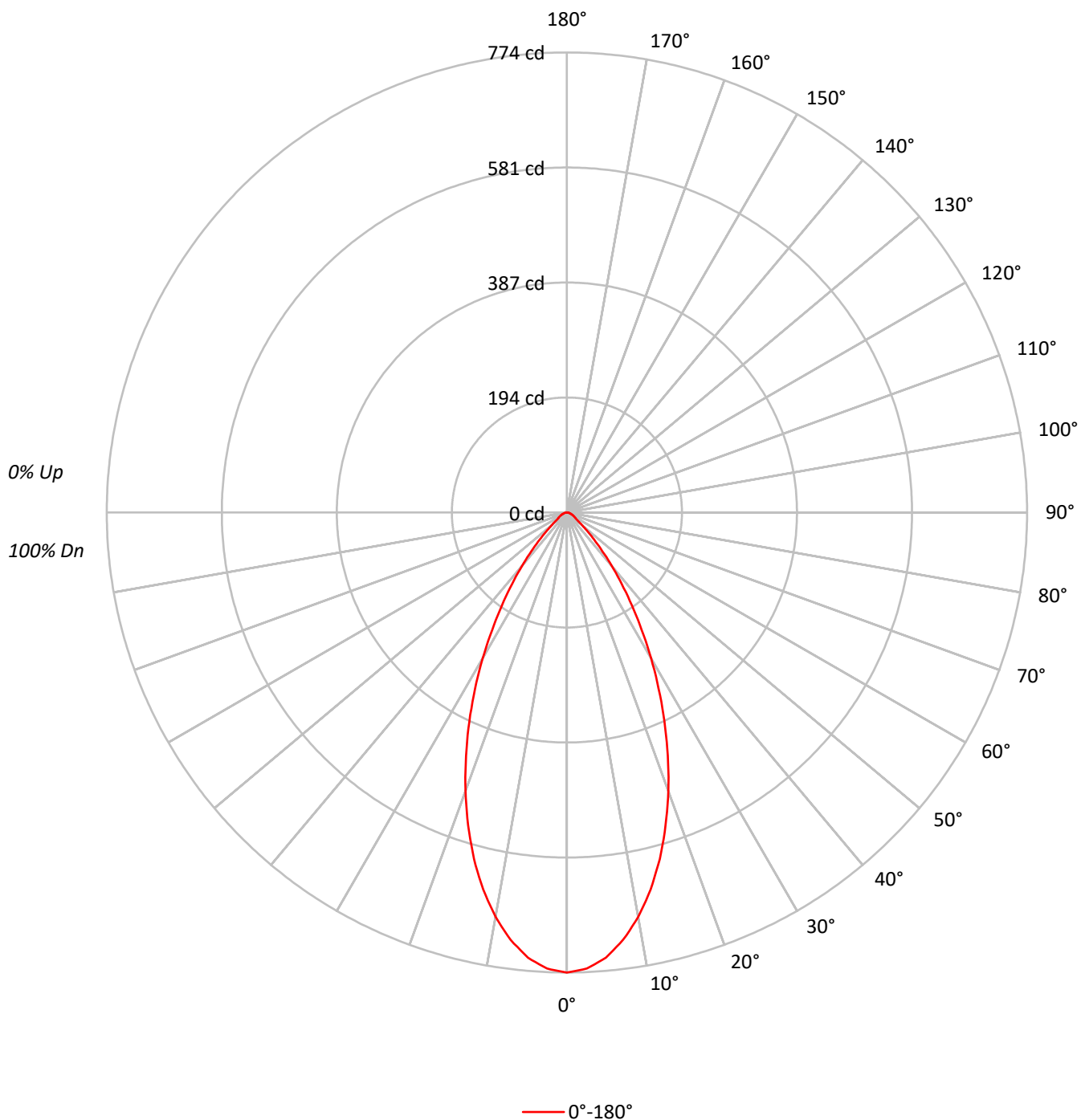
Lumens per Lamp: N/A
Luminaire Lumens: 624.0 lumens
Efficiency: N/A
Efficacy: 42.7 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.8
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	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
1	113	110	107	105	110	108	105	103	104	102	100		100	98	97		97	95	94	92
2	107	102	97	94	105	100	96	93	97	93	91		94	91	89		91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		85	83	80	79
4	96	88	82	77	94	87	81	77	84	80	76		82	78	75		80	77	74	73
5	91	82	76	71	89	81	75	71	79	74	70		77	73	70		76	72	69	67
6	86	77	70	66	84	76	70	66	74	69	65		73	68	65		72	68	64	63
7	82	72	66	61	80	71	65	61	70	65	61		69	64	60		68	63	60	59
8	78	68	62	57	76	67	61	57	66	61	57		65	60	57		64	60	56	55
9	74	64	58	54	73	63	58	54	62	57	53		62	57	53		61	56	53	52
10	70	60	55	51	69	60	54	50	59	54	50		58	54	50		58	53	50	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	169745
5°	165485
10°	153860
15°	137004
20°	116420
25°	93949
30°	71631
35°	50942
40°	33606
45°	19940
50°	11701
55°	7226
60°	6403
65°	5759
70°	4937
75°	4321
80°	4293
85°	4277

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19940 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.8	11.2
10°-20°	167.3	26.8
20°-30°	177.2	28.4
30°-40°	119.7	19.2
40°-50°	52.5	8.4
50°-60°	18.8	3.0
60°-70°	11.0	1.8
70°-80°	5.8	0.9
80°-90°	1.9	0.3
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°	414.3	66.4
0°-40°	534.1	85.6
0°-60°	605.3	97.0
0°-90°	624.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	624.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	774	
5°	752	70
15°	604	167
25°	388	177
35°	190	120
45°	64	52
55°	19	19
65°	11	11
75°	5	6
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	774.1
2.5°	768.1
5°	751.8
7.5°	725.2
10°	691.0
12.5°	649.8
15°	603.5
17.5°	552.1
20°	498.9
22.5°	443.2
25°	388.3
27.5°	334.3
30°	282.9
32.5°	234.0
35°	190.3
37.5°	150.9
40°	117.4
42.5°	88.3
45°	64.3
47.5°	47.1
50°	34.3
52.5°	24.0
55°	18.9
57.5°	17.1
60°	14.6
62.5°	12.9
65°	11.1
67.5°	9.4
70°	7.7
72.5°	6.9
75°	5.1
77.5°	4.3
80°	3.4
82.5°	2.6
85°	1.7
87.5°	0.9
90°	0.0

(END OF REPORT)