

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: P1249341

Luminaire Tested: P3AS13R459027DE010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R459027DE010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

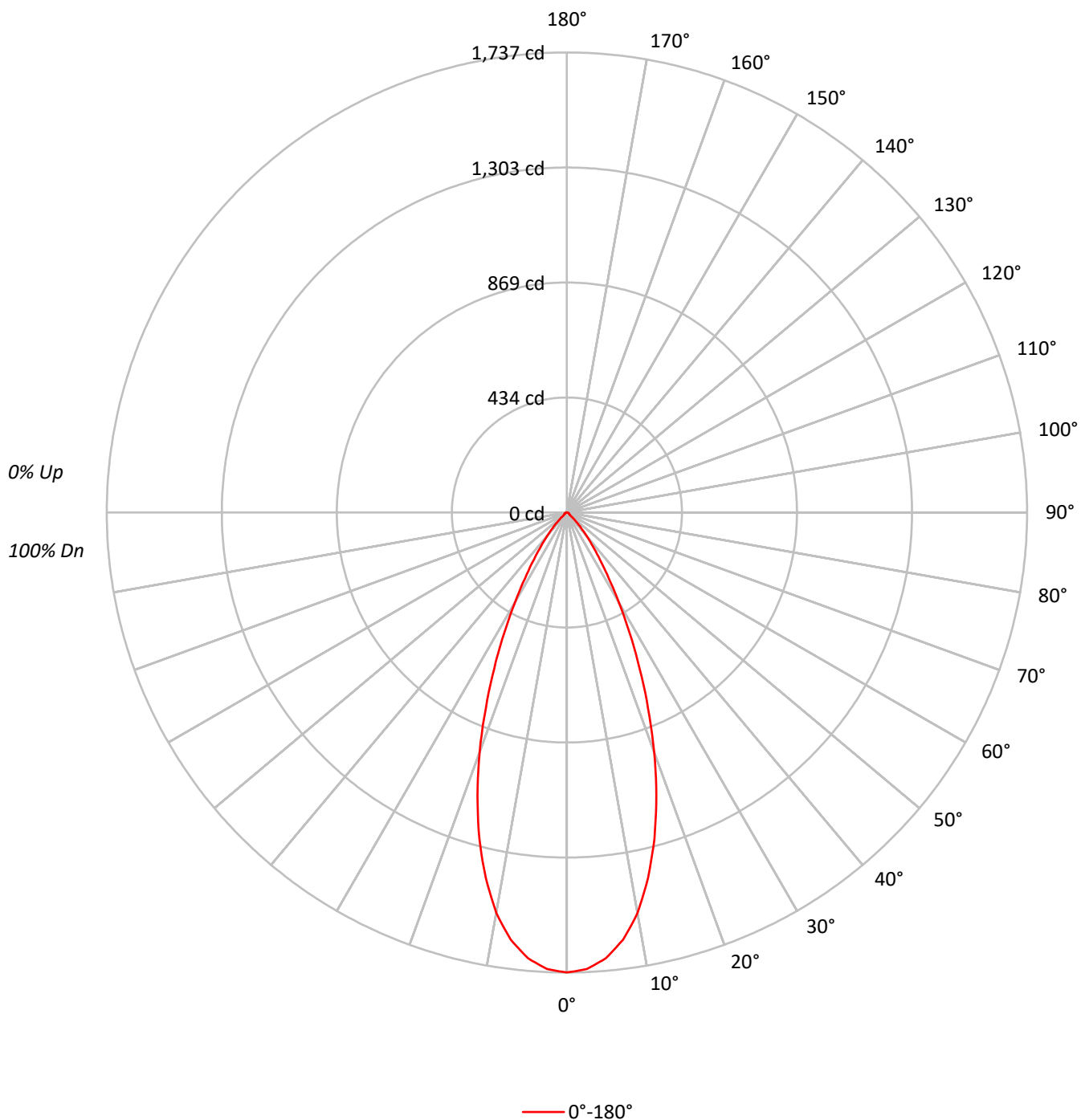
Lumens per Lamp: N/A
Luminaire Lumens: 1014.0 lumens
Efficiency: N/A
Efficacy: 69.4 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	88	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	82	89	85	81		87	83	80		85
5	94	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	81	76	72	80	75	72		78	74	71		77
7	86	78	72	68	85	77	72	68	76	71	68		75	71	67		74
8	83	74	68	65	82	73	68	65	72	68	64		71	67	64		70
9	79	70	65	61	78	70	65	61	69	64	61		68	64	61		67
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	380803
5°	371868
10°	341833
15°	289650
20°	224720
25°	157098
30°	98952
35°	58250
40°	32976
45°	16033
50°	5561
55°	4511
60°	4386
65°	4255
70°	4039
75°	3813
80°	3410
85°	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16033 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.4	15.4
10°-20°	350.4	34.6
20°-30°	297.5	29.3
30°-40°	141.9	14.0
40°-50°	42.7	4.2
50°-60°	10.8	1.1
60°-70°	8.1	0.8
70°-80°	4.7	0.5
80°-90°	1.3	0.1
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°	804.3	79.3
0°-40°	946.2	93.3
0°-60°	999.8	98.6
0°-90°	1014.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1014.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1737	
5°	1689	156
15°	1276	350
25°	649	298
35°	218	142
45°	52	43
55°	12	11
65°	8	8
75°	4	5
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1736.6
2.5°	1725.7
5°	1689.4
7.5°	1626.8
10°	1535.2
12.5°	1413.7
15°	1275.9
17.5°	1122.6
20°	963.0
22.5°	800.7
25°	649.3
27.5°	511.4
30°	390.8
32.5°	293.8
35°	217.6
37.5°	160.5
40°	115.2
42.5°	79.8
45°	51.7
47.5°	29.0
50°	16.3
52.5°	12.7
55°	11.8
57.5°	10.9
60°	10.0
62.5°	9.1
65°	8.2
67.5°	7.3
70°	6.3
72.5°	5.4
75°	4.5
77.5°	3.6
80°	2.7
82.5°	1.8
85°	0.9
87.5°	0.9
90°	0.0

(END OF REPORT)