

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: P1248965

Luminaire Tested: P3AS09R509027DE010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1248965
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R509027DE010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

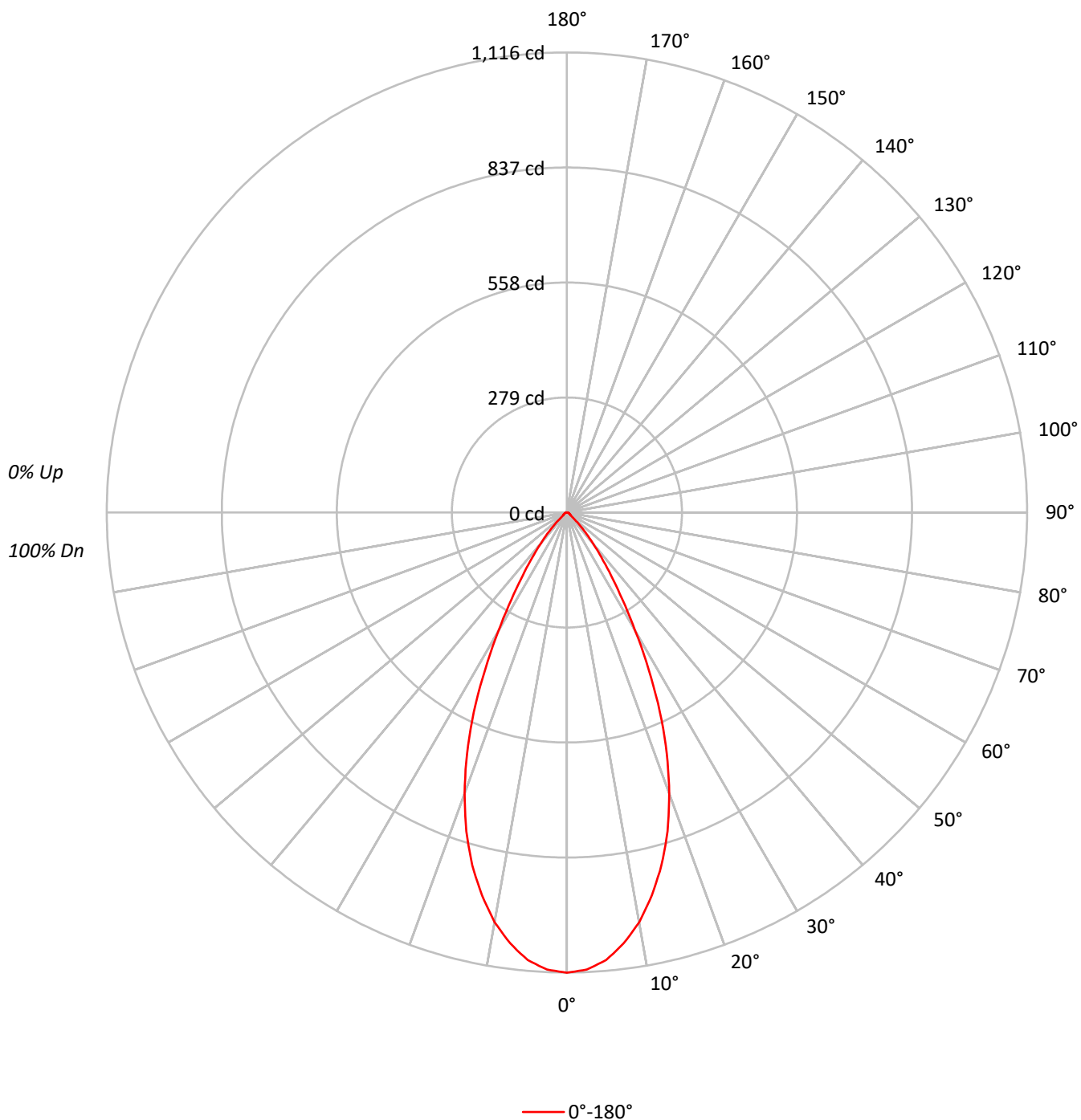
Lumens per Lamp: N/A
Luminaire Lumens: 769.0 lumens
Efficiency: N/A
Efficacy: 69.3 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84
5	93	85	80	75	92	84	79	75	83	78	74		81	77	74		79
6	89	80	75	71	88	80	74	70	78	73	70		77	73	69		75
7	85	76	70	66	84	75	70	66	74	69	66		73	69	65		72
8	81	72	66	62	80	71	66	62	70	65	62		69	65	62		68
9	78	68	63	59	76	68	62	59	67	62	59		66	62	58		65
10	74	65	59	56	73	65	59	56	64	59	55		63	58	55		62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	244827
5°	239907
10°	224712
15°	201159
20°	169275
25°	129201
30°	83962
35°	49791
40°	28768
45°	14420
50°	5356
55°	4167
60°	3903
65°	3528
70°	3526
75°	3474
80°	3410
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14420 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.4	13.2
10°-20°	245.0	31.9
20°-30°	240.4	31.3
30°-40°	121.1	15.8
40°-50°	38.3	5.0
50°-60°	9.9	1.3
60°-70°	7.0	0.9
70°-80°	4.3	0.6
80°-90°	1.5	0.2
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°	586.8	76.3
0°-40°	708.0	92.1
0°-60°	756.2	98.3
0°-90°	769.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	769.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1116	
5°	1090	101
15°	886	245
25°	534	240
35°	186	121
45°	46	38
55°	11	10
65°	7	7
75°	4	4
85°	1	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1116.5
2.5°	1109.7
5°	1089.9
7.5°	1054.3
10°	1009.2
12.5°	951.1
15°	886.1
17.5°	810.9
20°	725.4
22.5°	633.1
25°	534.0
27.5°	428.7
30°	331.6
32.5°	249.6
35°	186.0
37.5°	137.4
40°	100.5
42.5°	71.1
45°	46.5
47.5°	26.7
50°	15.7
52.5°	11.6
55°	10.9
57.5°	9.6
60°	8.9
62.5°	8.2
65°	6.8
67.5°	6.2
70°	5.5
72.5°	4.8
75°	4.1
77.5°	3.4
80°	2.7
82.5°	2.1
85°	1.4
87.5°	0.7
90°	0.0

(END OF REPORT)