

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: P1270078

Luminaire Tested: P3A17R159740DE010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270078
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R159740DE010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

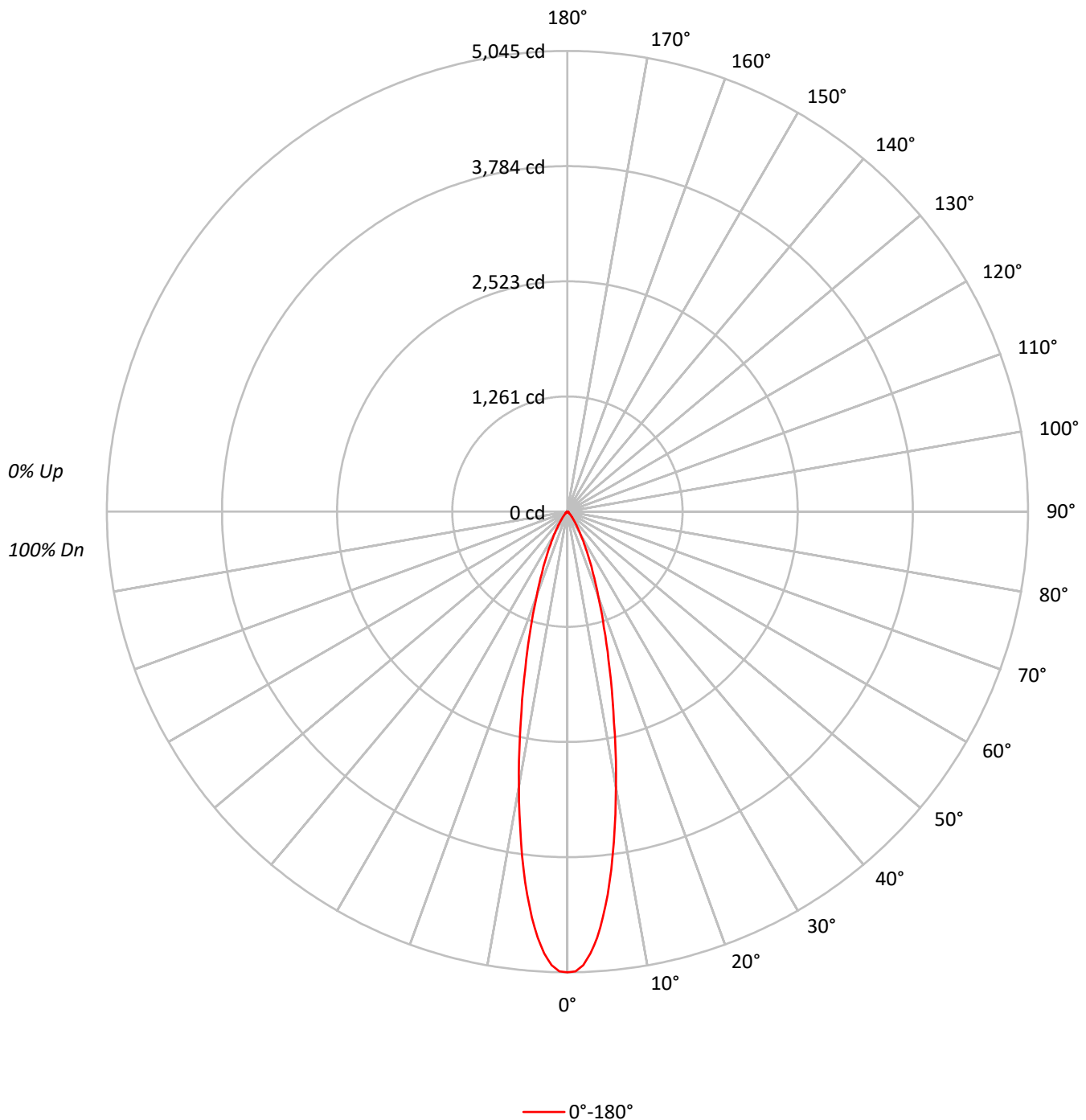
Lumens per Lamp: N/A
Luminaire Lumens: 1295.0 lumens
Efficiency: N/A
Efficacy: 61.1 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.43
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	97		98	96	95		96	94	93	91
3	106	101	97	93	104	99	96	93	97	94	91		94	92	90		92	90	88	87
4	102	96	92	88	100	95	91	88	93	89	87		91	88	86		89	87	85	83
5	98	92	87	84	97	91	87	83	89	85	83		88	84	82		86	83	81	80
6	95	88	83	80	94	87	83	80	86	82	79		85	81	79		83	80	78	77
7	92	85	80	77	91	84	80	76	83	79	76		82	78	76		81	78	75	74
8	89	81	77	74	88	81	77	73	80	76	73		79	75	73		78	75	73	72
9	86	79	74	71	85	78	74	71	77	73	71		77	73	70		76	73	70	69
10	84	76	71	68	83	76	71	68	75	71	68		74	71	68		74	70	68	67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1106271
5°	981992
10°	681951
15°	403294
20°	229690
25°	131306
30°	72644
35°	38735
40°	21440
45°	11598
50°	7232
55°	5735
60°	4912
65°	4514
70°	3975
75°	4236
80°	3157
85°	3019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11598 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	379.4	29.3
10°-20°	500.7	38.7
20°-30°	257.8	19.9
30°-40°	96.8	7.5
40°-50°	31.7	2.4
50°-60°	13.6	1.1
60°-70°	8.6	0.7
70°-80°	5.1	0.4
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°	1137.8	87.9
0°-40°	1234.6	95.3
0°-60°	1279.9	98.8
0°-90°	1295.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1295.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5045	
5°	4461	379
15°	1776	501
25°	543	258
35°	145	97
45°	37	32
55°	15	14
65°	9	9
75°	5	5
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5045.0
1°	5035.0
2°	4968.9
3°	4842.9
4°	4677.0
5°	4461.2
6°	4216.6
7°	3948.4
8°	3650.3
9°	3355.8
10°	3062.7
12.5°	2356.6
15°	1776.5
17.5°	1329.9
20°	984.3
22.5°	734.8
25°	542.7
27.5°	395.5
30°	286.9
32.5°	203.3
35°	144.7
37.5°	103.5
40°	74.9
42.5°	53.6
45°	37.4
47.5°	27.4
50°	21.2
52.5°	17.5
55°	15.0
57.5°	12.5
60°	11.2
62.5°	10.0
65°	8.7
67.5°	7.5
70°	6.2
72.5°	6.2
75°	5.0
77.5°	3.7
80°	2.5
82.5°	2.5
85°	1.2
87.5°	0.0
90°	0.0

(END OF REPORT)