

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: P1263535

Luminaire Tested: P3A20R509727D010 E3DLP1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263535
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R509727D010 E3DLP1WMH
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 97CRI , E3DLP1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

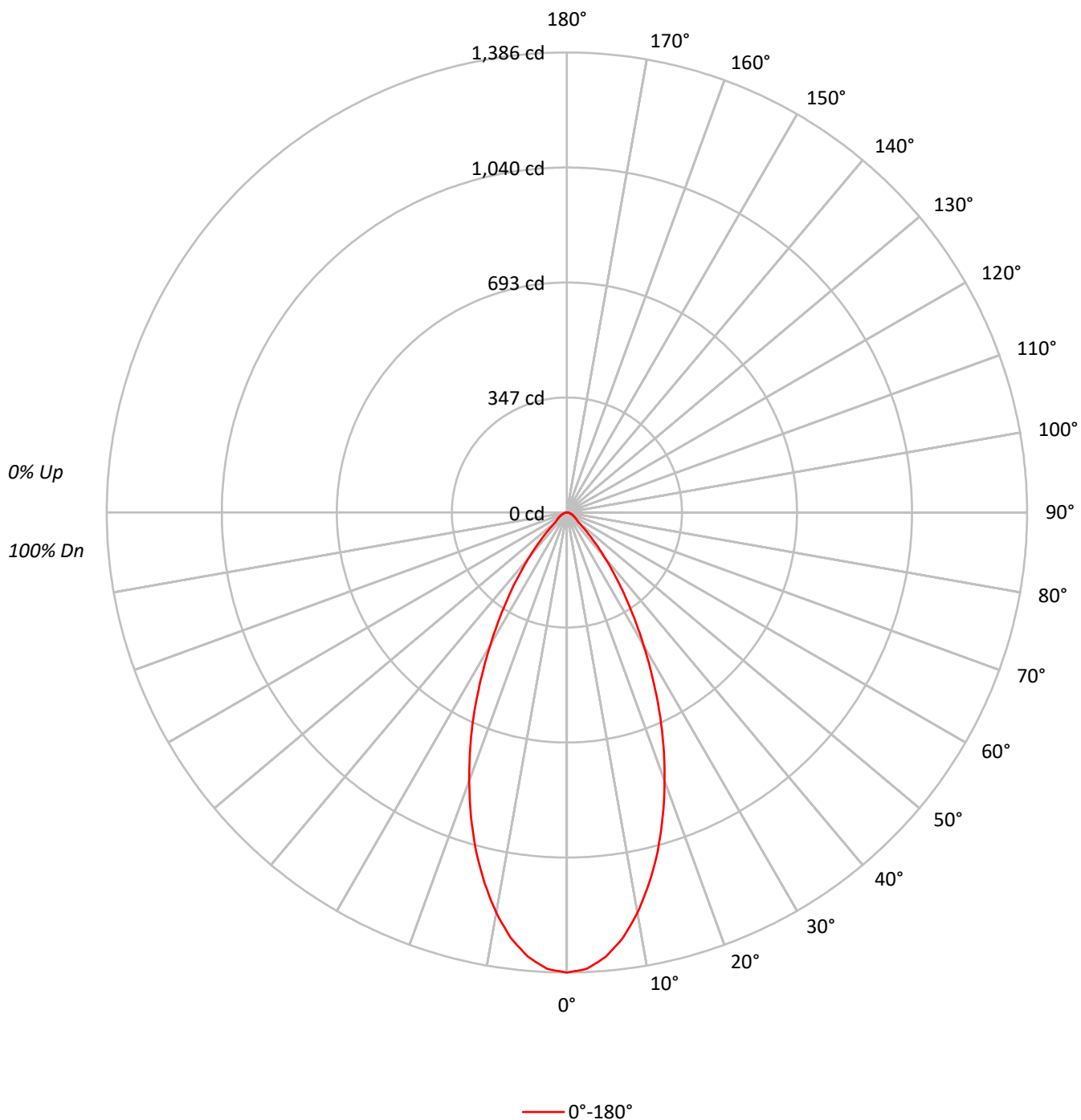
Lumens per Lamp: N/A
Luminaire Lumens: 1045.0 lumens
Efficiency: N/A
Efficacy: 36.3 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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				0
RW	70	50	30	10	70	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		100
1	113	110	107	105	111	108	106	103	104	102	100		100	99	97		93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		85
3	101	95	89	85	99	93	88	85	91	87	83		88	85	82		79
4	96	88	82	78	94	87	82	78	85	80	77		83	79	76		73
5	91	83	76	72	90	82	76	72	80	75	71		78	74	70		68
6	87	77	71	67	85	77	71	67	75	70	66		74	69	66		64
7	82	73	67	62	81	72	66	62	71	66	62		70	65	61		60
8	78	69	63	58	77	68	62	58	67	62	58		66	61	58		56
9	75	65	59	55	74	64	59	55	63	58	55		63	58	54		53
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	303945
5°	295751
10°	272718
15°	239842
20°	200661
25°	159130
30°	116752
35°	80254
40°	51010
45°	28499
50°	15454
55°	12960
60°	11183
65°	10273
70°	9040
75°	8388
80°	7198
85°	7045

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28499 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.5	11.9
10°-20°	292.6	28.0
20°-30°	299.3	28.6
30°-40°	189.8	18.2
40°-50°	75.5	7.2
50°-60°	30.6	2.9
60°-70°	19.6	1.9
70°-80°	10.1	1.0
80°-90°	3.1	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°	716.4	68.6
0°-40°	906.1	86.7
0°-60°	1012.2	96.9
0°-90°	1045.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1045.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1386	
5°	1344	124
15°	1056	293
25°	658	299
35°	300	190
45°	92	75
55°	34	31
65°	20	20
75°	10	10
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1386.1
2.5°	1376.2
5°	1343.6
7.5°	1292.7
10°	1224.8
12.5°	1144.2
15°	1056.5
17.5°	960.3
20°	859.9
22.5°	759.5
25°	657.7
27.5°	555.8
30°	461.1
32.5°	376.2
35°	299.8
37.5°	234.8
40°	178.2
42.5°	131.5
45°	91.9
47.5°	62.2
50°	45.3
52.5°	38.2
55°	33.9
57.5°	29.7
60°	25.5
62.5°	22.6
65°	19.8
67.5°	17.0
70°	14.1
72.5°	11.3
75°	9.9
77.5°	7.1
80°	5.7
82.5°	4.2
85°	2.8
87.5°	1.4
90°	0.0

(END OF REPORT)