

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: P1247643

Luminaire Tested: P3A20R359024D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247643
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R359024D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

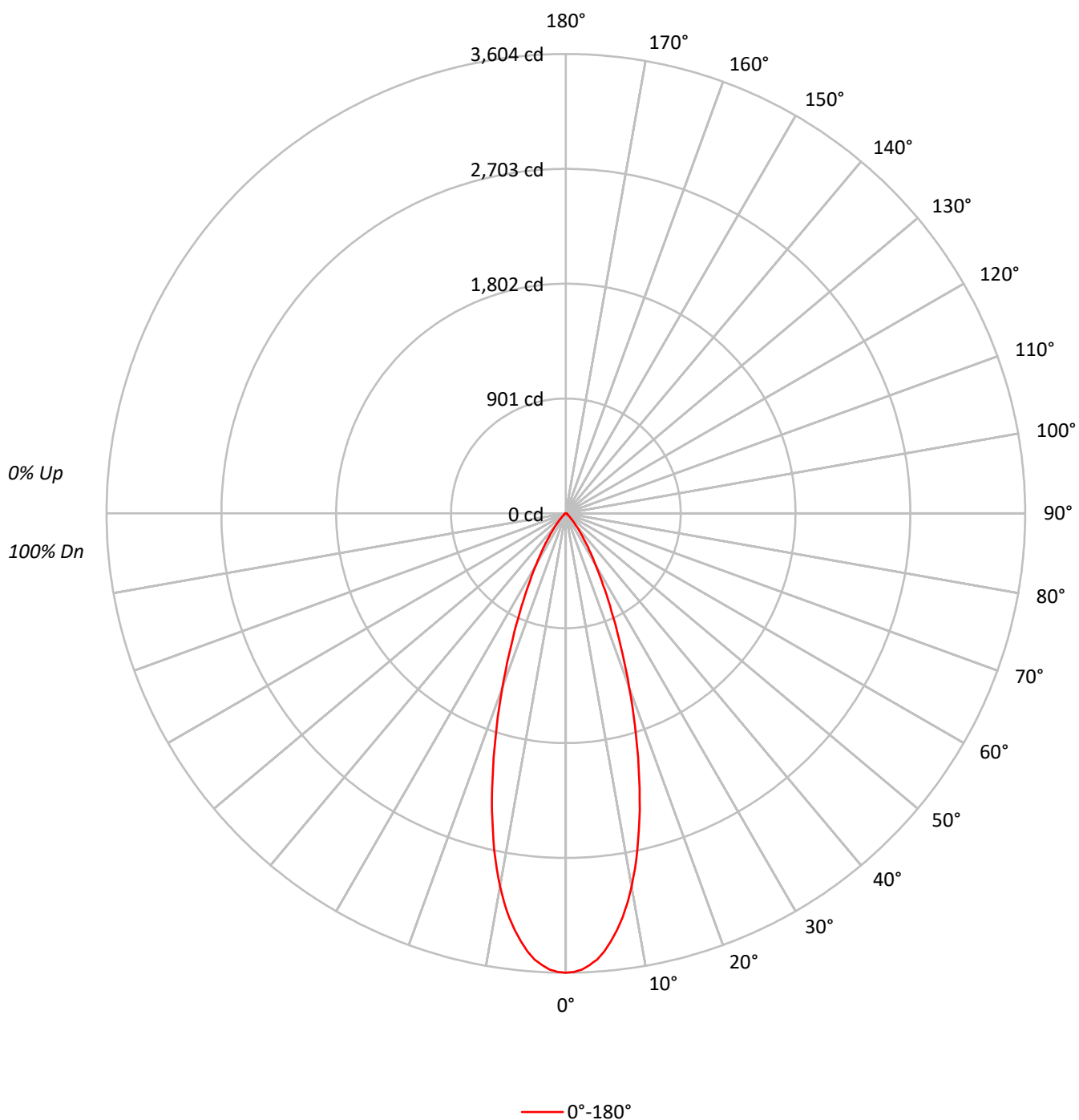
Lumens per Lamp: N/A
Luminaire Lumens: 1567.0 lumens
Efficiency: N/A
Efficacy: 54.4 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.58
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				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	109	107	112	109	107	106	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84		89	85	83		87	84	82	80
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83	80	78	76
6	92	85	80	76	91	84	79	76	83	78	75		81	77	75		80	77	74	73
7	89	81	76	72	88	80	75	72	79	75	71		78	74	71		77	73	71	70
8	85	77	72	69	84	77	72	68	76	71	68		75	71	68		74	70	68	66
9	82	74	69	66	81	74	69	65	73	68	65		72	68	65		71	68	65	64
10	79	71	66	63	78	71	66	63	70	66	63		69	65	62		69	65	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	790331
5°	759562
10°	661800
15°	506904
20°	339133
25°	205197
30°	117765
35°	65826
40°	34980
45°	18017
50°	8631
55°	6843
60°	6535
65°	5396
70°	5706
75°	5083
80°	5683
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18017 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.0	20.0
10°-20°	608.4	38.8
20°-30°	398.3	25.4
30°-40°	161.6	10.3
40°-50°	48.5	3.1
50°-60°	16.5	1.1
60°-70°	11.0	0.7
70°-80°	6.5	0.4
80°-90°	2.2	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°	1320.7	84.3
0°-40°	1482.3	94.6
0°-60°	1547.2	98.7
0°-90°	1567.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1567.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3604	
5°	3451	314
15°	2233	608
25°	848	398
35°	246	162
45°	58	48
55°	18	16
65°	10	11
75°	6	7
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3604.2
1°	3598.2
2°	3581.8
3°	3549.0
4°	3510.3
5°	3450.7
6°	3376.1
7°	3292.7
8°	3198.7
9°	3091.4
10°	2972.2
11°	2839.5
12°	2700.9
13°	2545.9
14°	2398.3
15°	2232.9
17.5°	1831.9
20°	1453.3
22.5°	1117.9
25°	848.1
27.5°	632.0
30°	465.1
32.5°	341.3
35°	245.9
37.5°	174.4
40°	122.2
42.5°	85.0
45°	58.1
47.5°	38.8
50°	25.3
52.5°	19.4
55°	17.9
57.5°	16.4
60°	14.9
62.5°	13.4
65°	10.4
67.5°	8.9
70°	8.9
72.5°	7.5
75°	6.0
77.5°	4.5
80°	4.5
82.5°	3.0
85°	1.5
87.5°	1.5



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)