

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: P1270550

Luminaire Tested: P3A20R309740D010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270550
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R309740D010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

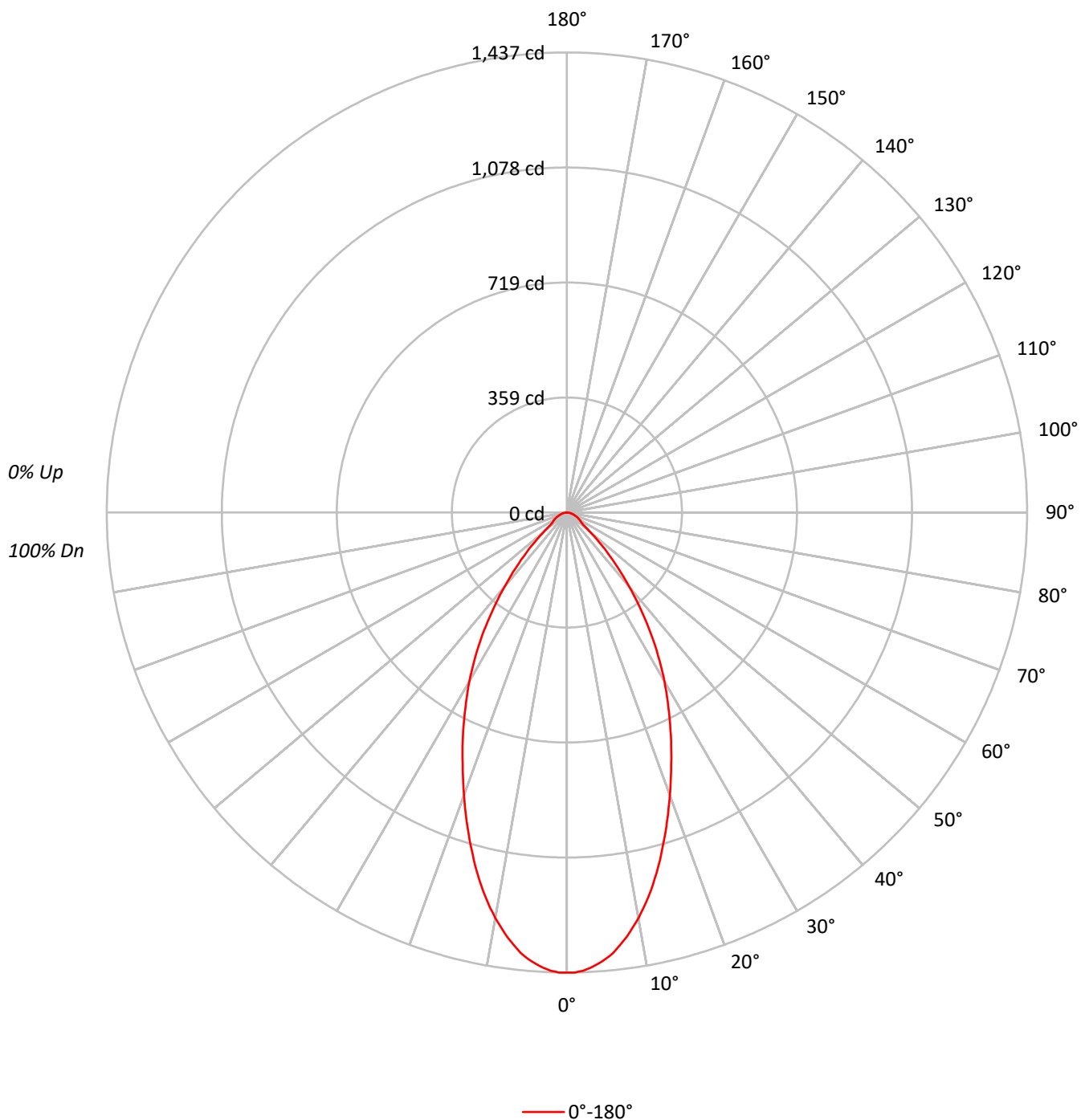
Lumens per Lamp: N/A
Luminaire Lumens: 1334.0 lumens
Efficiency: N/A
Efficacy: 46.3 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.85
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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	112	109	106	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	96	92	104	99	94	91	95	92	89		92	89	87		89
3	100	92	87	82	98	91	86	82	88	84	80		86	82	79		84
4	94	85	79	74	92	84	79	74	82	77	73		80	76	72		78
5	89	79	73	68	87	78	72	68	76	71	67		75	70	66		73
6	84	74	67	62	82	73	67	62	71	66	62		70	65	61		69
7	79	69	62	58	78	68	62	58	67	61	57		66	61	57		65
8	75	65	58	54	74	64	58	53	63	57	53		62	57	53		61
9	71	61	54	50	70	60	54	50	59	54	50		58	53	50		57
10	68	57	51	47	67	57	51	47	56	50	47		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	315150
5°	308078
10°	286479
15°	254916
20°	219259
25°	185745
30°	154176
35°	120943
40°	86677
45°	56843
50°	32374
55°	21294
60°	20086
65°	18679
70°	16798
75°	15250
80°	14522
85°	12328

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 56843 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.9	9.7
10°-20°	312.2	23.4
20°-30°	351.8	26.4
30°-40°	281.0	21.1
40°-50°	144.4	10.8
50°-60°	54.3	4.1
60°-70°	35.6	2.7
70°-80°	19.2	1.4
80°-90°	5.6	0.4
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°	793.9	59.5
0°-40°	1074.9	80.6
0°-60°	1273.6	95.5
0°-90°	1334.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1334.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1437	
5°	1400	130
15°	1123	312
25°	768	352
35°	452	281
45°	183	144
55°	56	54
65°	36	36
75°	18	19
85°	5	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1437.2
1°	1437.2
2°	1432.3
3°	1424.1
4°	1412.7
5°	1399.6
6°	1383.2
7°	1361.9
8°	1339.0
9°	1312.8
10°	1286.6
11°	1257.2
12°	1226.1
13°	1193.3
14°	1159.0
15°	1122.9
17.5°	1031.3
20°	939.6
22.5°	851.2
25°	767.7
27.5°	685.9
30°	608.9
32.5°	530.4
35°	451.8
37.5°	374.9
40°	302.8
42.5°	239.0
45°	183.3
47.5°	135.9
50°	94.9
52.5°	67.1
55°	55.7
57.5°	50.7
60°	45.8
62.5°	40.9
65°	36.0
67.5°	31.1
70°	26.2
72.5°	21.3
75°	18.0
77.5°	14.7
80°	11.5
82.5°	8.2
85°	4.9
87.5°	1.6



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)