

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: P1263556

Luminaire Tested: P3A20R559727D010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263556
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R559727D010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 97CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

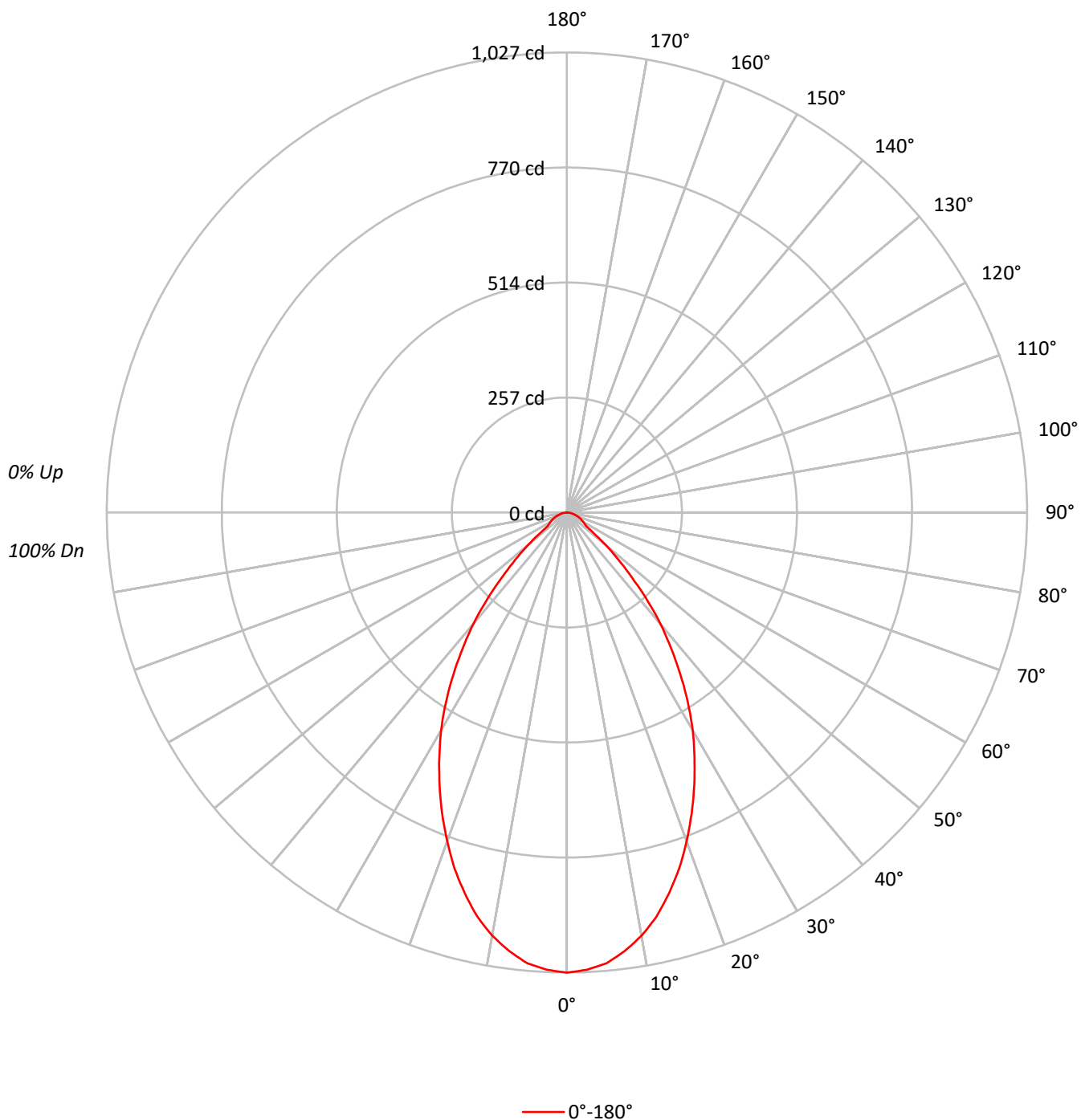
Lumens per Lamp: N/A
Luminaire Lumens: 1198.0 lumens
Efficiency: N/A
Efficacy: 41.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	103	110	107	104	102	103	100	98		99	97	95		95
2	105	100	95	91	103	98	93	90	94	91	88		91	88	86		89
3	99	91	85	81	97	90	84	80	87	82	79		85	81	77		82
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76
5	87	77	71	66	85	76	70	65	75	69	65		73	68	64		71
6	82	72	65	60	80	71	64	60	69	64	59		68	63	59		66
7	77	67	60	55	76	66	59	55	65	59	54		63	58	54		62
8	73	62	55	51	72	62	55	51	60	55	50		59	54	50		58
9	69	58	51	47	68	58	51	47	57	51	47		56	50	46		55
10	65	55	48	44	64	54	48	44	53	47	43		52	47	43		52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	225245
5°	222386
10°	213601
15°	199797
20°	182249
25°	162614
30°	142224
35°	118186
40°	93146
45°	63200
50°	38617
55°	20033
60°	18595
65°	17641
70°	16349
75°	14403
80°	14269
85°	10567

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 63200 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.7	7.9
10°-20°	246.0	20.5
20°-30°	308.0	25.7
30°-40°	275.0	23.0
40°-50°	161.0	13.4
50°-60°	55.6	4.6
60°-70°	33.6	2.8
70°-80°	18.6	1.6
80°-90°	5.4	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°	648.8	54.2
0°-40°	923.7	77.1
0°-60°	1140.4	95.2
0°-90°	1198.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1198.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1027	
5°	1010	95
15°	880	246
25°	672	308
35°	442	275
45°	204	161
55°	52	56
65°	34	34
75°	17	19
85°	4	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1027.2
2.5°	1021.6
5°	1010.3
7.5°	987.6
10°	959.3
12.5°	924.0
15°	880.1
17.5°	833.4
20°	781.0
22.5°	727.3
25°	672.1
27.5°	616.9
30°	561.7
32.5°	502.3
35°	441.5
37.5°	382.0
40°	325.4
42.5°	264.6
45°	203.8
47.5°	155.6
50°	113.2
52.5°	73.6
55°	52.4
57.5°	46.7
60°	42.4
62.5°	38.2
65°	34.0
67.5°	29.7
70°	25.5
72.5°	21.2
75°	17.0
77.5°	14.1
80°	11.3
82.5°	7.1
85°	4.2
87.5°	2.8
90°	0.0

(END OF REPORT)