

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: P1270649

Luminaire Tested: P3A20R509740D010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270649
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R509740D010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 97CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

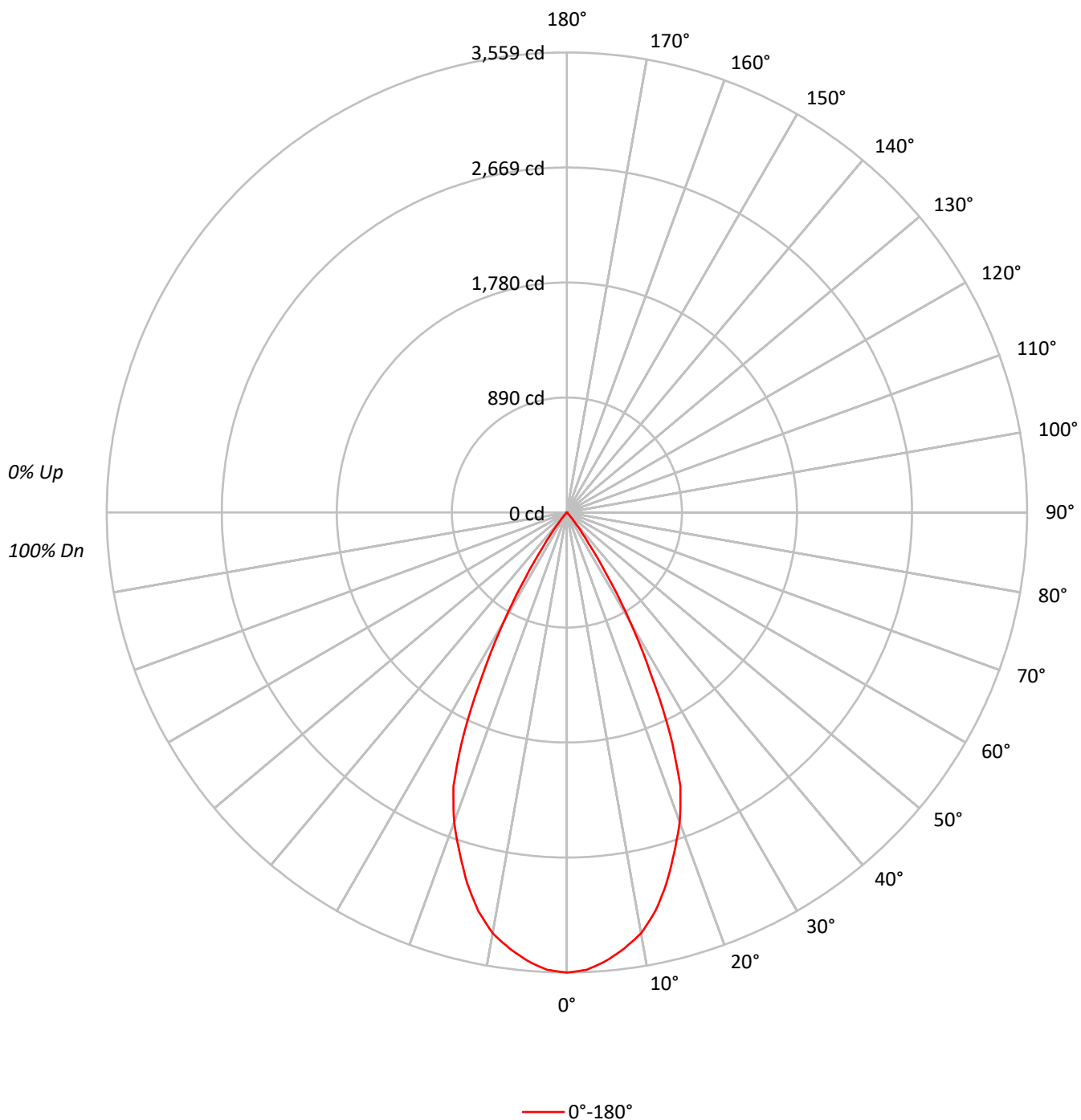
Lumens per Lamp: N/A
Luminaire Lumens: 2241.0 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
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	101	99	98	97	97	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	92	88	85	90	87	84	88	85	83	87	84	82	80		
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76		
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	72		
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69		
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	65		
9	81	73	68	64	80	72	67	64	71	67	64	71	66	63	70	66	63	62		
10	78	69	64	61	77	69	64	61	68	64	61	68	63	61	67	63	60	59		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	780464
5°	766518
10°	735992
15°	674896
20°	595122
25°	456147
30°	248013
35°	79799
40°	18749
45°	2543
50°	2252
55°	2523
60°	2149
65°	2542
70°	2116
75°	2796
80°	2020
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 85°
Luminance: 4026 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.8	14.6
10°-20°	826.4	36.9
20°-30°	827.6	36.9
30°-40°	232.7	10.4
40°-50°	14.1	0.6
50°-60°	5.3	0.2
60°-70°	4.3	0.2
70°-80°	2.8	0.1
80°-90°	1.1	0.0
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°	1980.8	88.4
0°-40°	2213.5	98.8
0°-60°	2232.9	99.6
0°-90°	2241.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2241.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3559	
5°	3482	327
15°	2973	826
25°	1885	828
35°	298	233
45°	8	14
55°	7	5
65°	5	4
75°	3	3
85°	2	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3559.2
2.5°	3541.2
5°	3482.3
7.5°	3402.0
10°	3305.4
12.5°	3159.6
15°	2972.9
17.5°	2758.3
20°	2550.3
22.5°	2291.5
25°	1885.3
27.5°	1403.7
30°	979.5
32.5°	591.3
35°	298.1
37.5°	140.9
40°	65.5
42.5°	24.6
45°	8.2
47.5°	6.6
50°	6.6
52.5°	6.6
55°	6.6
57.5°	4.9
60°	4.9
62.5°	4.9
65°	4.9
67.5°	3.3
70°	3.3
72.5°	3.3
75°	3.3
77.5°	1.6
80°	1.6
82.5°	1.6
85°	1.6
87.5°	0.0
90°	0.0

(END OF REPORT)