

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: P1270699

Luminaire Tested: P3A20R559740D010 E3DLP1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270699
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R559740D010 E3DLP1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , E3DLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

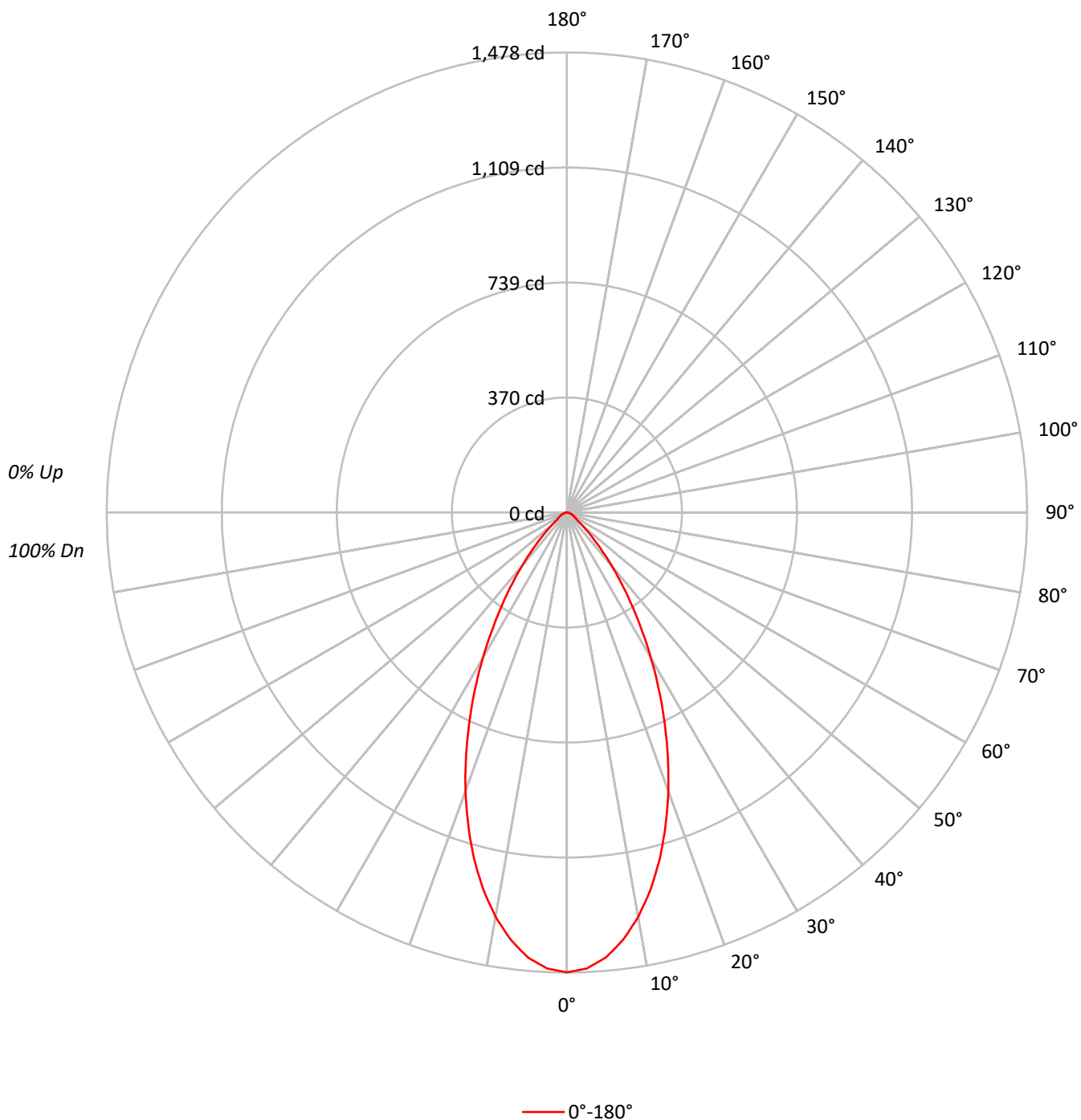
Lumens per Lamp: N/A
Luminaire Lumens: 1191.0 lumens
Efficiency: N/A
Efficacy: 41.4 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.8
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	113	110	107	105	110	108	105	103	104	102	100		100	98	97		97
2	107	102	97	94	105	100	96	93	97	93	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		85
4	96	88	82	77	94	87	81	77	84	80	76		82	78	75		80
5	91	82	76	71	89	81	75	71	79	74	70		77	73	70		76
6	86	77	70	66	84	76	70	66	74	69	65		73	68	65		72
7	82	72	66	61	80	71	65	61	70	65	61		69	64	60		68
8	78	68	62	57	76	67	61	57	66	61	57		65	60	57		64
9	74	64	58	54	73	63	58	54	62	57	53		62	57	53		61
10	70	60	55	51	69	60	54	50	59	54	50		58	54	50		58

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	323987
5°	315870
10°	293649
15°	261500
20°	222223
25°	179333
30°	136730
35°	97226
40°	64177
45°	38050
50°	22311
55°	13763
60°	12192
65°	11052
70°	9425
75°	8303
80°	8208
85°	8303

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 38050 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.2	11.2
10°-20°	319.3	26.8
20°-30°	338.2	28.4
30°-40°	228.6	19.2
40°-50°	100.2	8.4
50°-60°	35.8	3.0
60°-70°	21.0	1.8
70°-80°	11.0	0.9
80°-90°	3.6	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°	790.8	66.4
0°-40°	1019.4	85.6
0°-60°	1155.4	97.0
0°-90°	1191.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1191.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1478	
5°	1435	133
15°	1152	319
25°	741	338
35°	363	229
45°	123	100
55°	36	36
65°	21	21
75°	10	11
85°	3	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1477.5
2.5°	1466.1
5°	1435.0
7.5°	1384.2
10°	1318.8
12.5°	1240.3
15°	1151.9
17.5°	1053.7
20°	952.3
22.5°	845.9
25°	741.2
27.5°	638.1
30°	540.0
32.5°	446.7
35°	363.2
37.5°	288.0
40°	224.2
42.5°	168.5
45°	122.7
47.5°	90.0
50°	65.4
52.5°	45.8
55°	36.0
57.5°	32.7
60°	27.8
62.5°	24.5
65°	21.3
67.5°	18.0
70°	14.7
72.5°	13.1
75°	9.8
77.5°	8.2
80°	6.5
82.5°	4.9
85°	3.3
87.5°	1.6
90°	0.0

(END OF REPORT)