

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: P1247732

Luminaire Tested: P3A20R509024D010 E3DLD1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247732
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R509024D010 E3DLD1GPH
Description: 3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

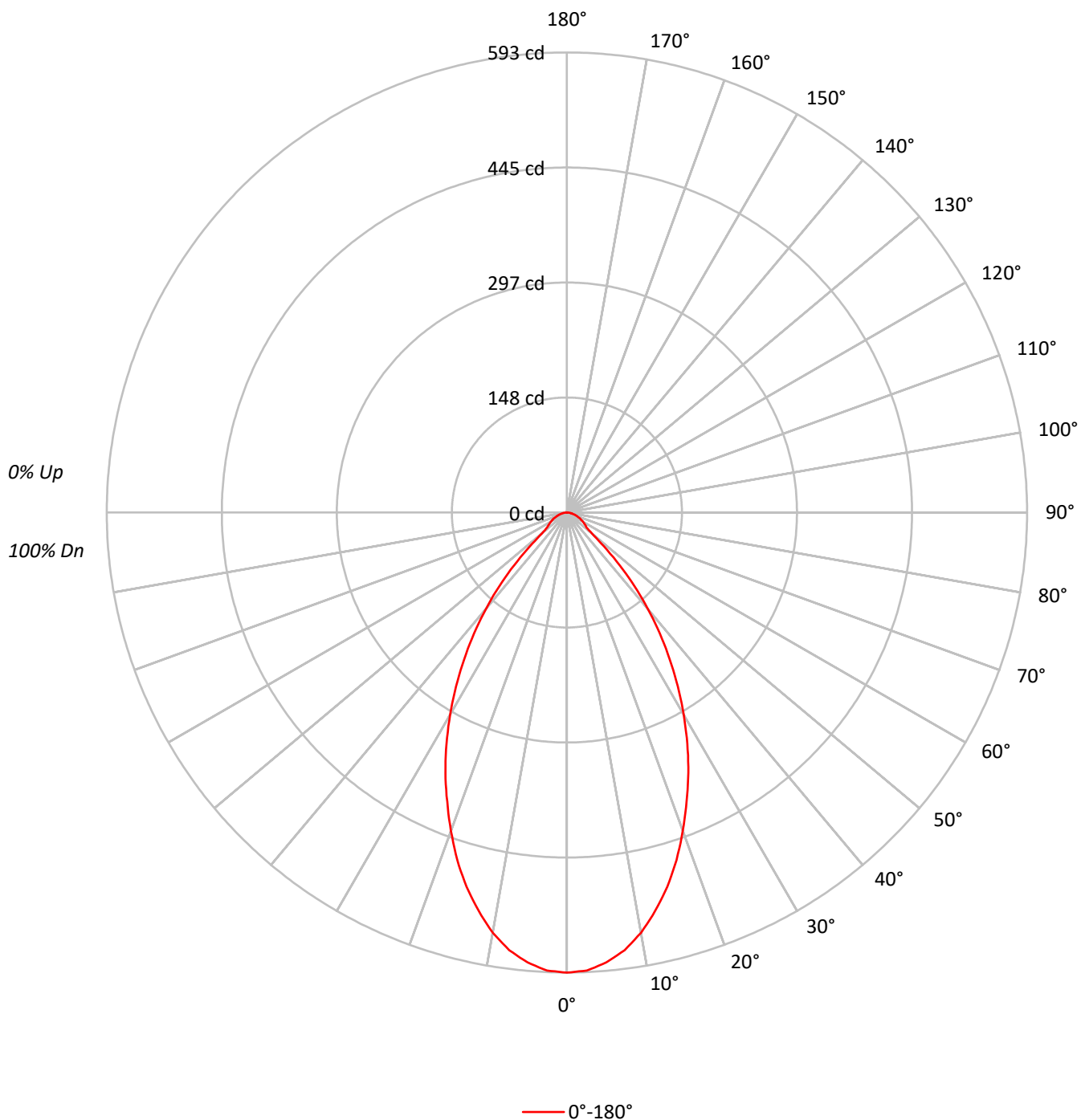
Lumens per Lamp: N/A
Luminaire Lumens: 640.0 lumens
Efficiency: N/A
Efficacy: 22.2 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	85	78	73	91	83	77	73	81	76	72		79	75	71		77
5	88	78	72	67	86	77	71	66	75	70	66		74	69	65		72
6	83	73	66	61	81	72	65	61	70	65	60		69	64	60		67
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63
8	74	63	57	52	73	63	56	52	61	56	52		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	52	48		56
10	66	56	49	45	65	55	49	45	54	49	45		54	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	130055
5°	128153
10°	122465
15°	113417
20°	101929
25°	89594
30°	76189
35°	61783
40°	46430
45°	29895
50°	14191
55°	11163
60°	10569
65°	9858
70°	8912
75°	8049
80°	7324
85°	7296

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 29895 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.6	8.5
10°-20°	139.3	21.8
20°-30°	169.2	26.4
30°-40°	143.5	22.4
40°-50°	74.6	11.7
50°-60°	26.9	4.2
60°-70°	18.6	2.9
70°-80°	10.1	1.6
80°-90°	3.2	0.5
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°	363.1	56.7
0°-40°	506.6	79.2
0°-60°	608.1	95.0
0°-90°	640.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	640.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	593	
5°	582	55
15°	500	139
25°	370	169
35°	231	144
45°	96	75
55°	29	27
65°	19	19
75°	10	10
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	593.1
2.5°	590.9
5°	582.2
7.5°	569.0
10°	550.0
12.5°	525.9
15°	499.6
17.5°	469.7
20°	436.8
22.5°	403.2
25°	370.3
27.5°	336.0
30°	300.9
32.5°	265.9
35°	230.8
37.5°	196.5
40°	162.2
42.5°	129.3
45°	96.4
47.5°	64.3
50°	41.6
52.5°	32.1
55°	29.2
57.5°	26.3
60°	24.1
62.5°	21.2
65°	19.0
67.5°	16.1
70°	13.9
72.5°	11.7
75°	9.5
77.5°	7.3
80°	5.8
82.5°	4.4
85°	2.9
87.5°	1.5
90°	0.0

(END OF REPORT)