

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: P1247704

Luminaire Tested: P3A20R459024D010 E3DLD1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247704
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R459024D010 E3DLD1H
Description: 3in Adjustable LED luminaire with, R45 optic, 2400K CCT AND, 90CRI , E3DLD1H TRIM
Light Source: -
Ballast/Driver: -

Summary

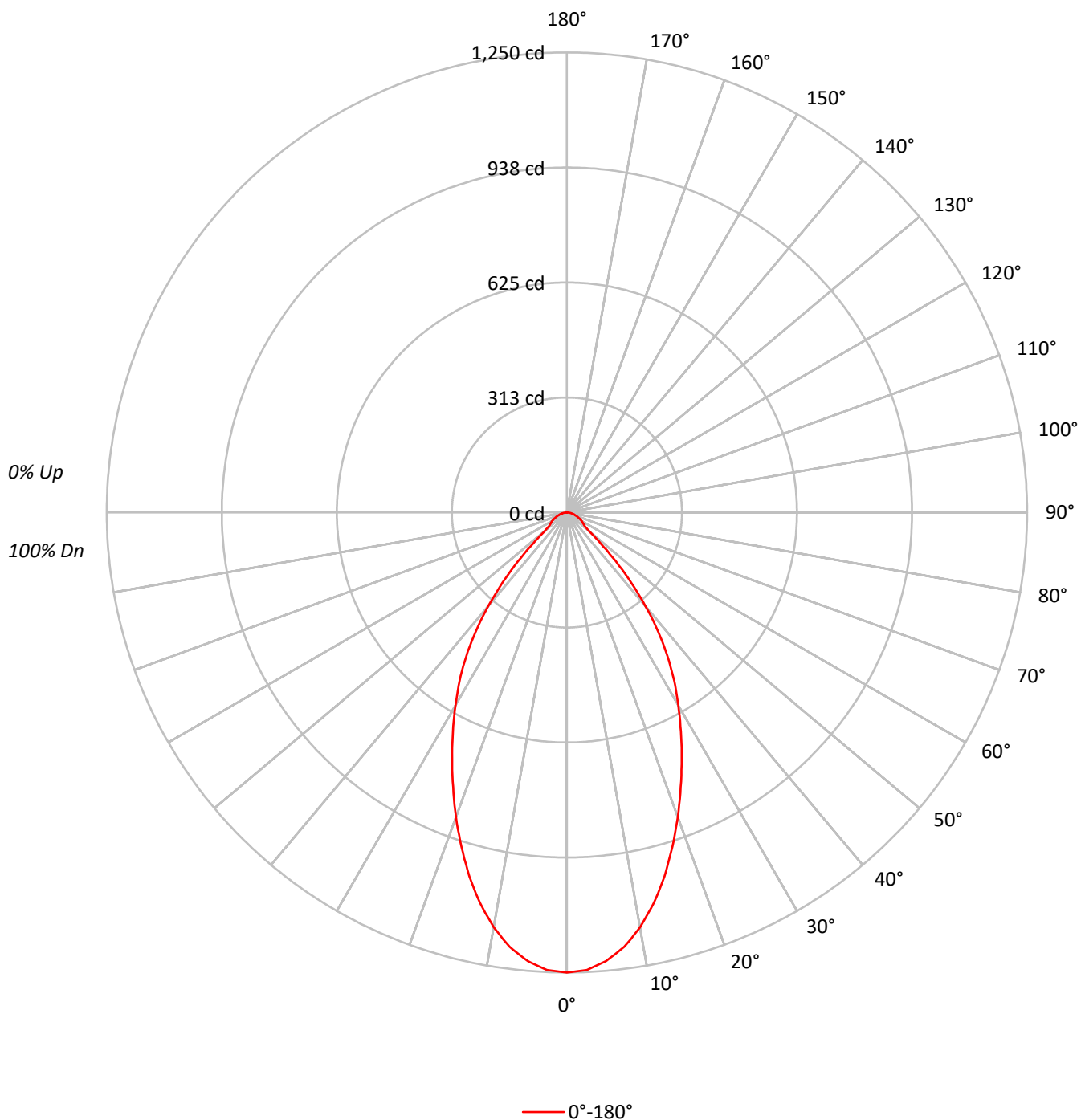
Lumens per Lamp: N/A
Luminaire Lumens: 1293.0 lumens
Efficiency: N/A
Efficacy: 44.9 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	99	92	86	82	97	90	85	81	88	83	80	85	81	78	83	80	77	75		
4	94	85	78	74	92	84	78	73	81	76	72	79	75	71	77	74	71	69		
5	88	79	72	67	86	78	71	67	76	70	66	74	69	65	72	68	65	63		
6	83	73	66	61	81	72	66	61	71	65	61	69	64	60	68	63	60	58		
7	78	68	61	57	77	67	61	56	66	60	56	65	60	56	64	59	55	54		
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50		
9	70	60	53	49	69	59	53	49	58	52	48	57	52	48	56	52	48	47		
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	44		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	274145
5°	269293
10°	254816
15°	232396
20°	205515
25°	178462
30°	153188
35°	127636
40°	95121
45°	58239
50°	26950
55°	21065
60°	20262
65°	18575
70°	17182
75°	16436
80°	15027
85°	11322

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 58239 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.3	8.8
10°-20°	285.0	22.0
20°-30°	338.6	26.2
30°-40°	294.2	22.8
40°-50°	147.6	11.4
50°-60°	51.2	4.0
60°-70°	35.9	2.8
70°-80°	20.1	1.6
80°-90°	6.1	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°	737.9	57.1
0°-40°	1032.2	79.8
0°-60°	1231.0	95.2
0°-90°	1293.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1293.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1250	
5°	1223	114
15°	1024	285
25°	738	339
35°	477	294
45°	188	148
55°	55	51
65°	36	36
75°	19	20
85°	4	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1250.2
2.5°	1244.2
5°	1223.4
7.5°	1190.6
10°	1144.4
12.5°	1087.8
15°	1023.7
17.5°	952.2
20°	880.7
22.5°	807.6
25°	737.6
27.5°	670.5
30°	605.0
32.5°	542.4
35°	476.8
37.5°	406.8
40°	332.3
42.5°	259.3
45°	187.8
47.5°	123.7
50°	79.0
52.5°	61.1
55°	55.1
57.5°	50.7
60°	46.2
62.5°	41.7
65°	35.8
67.5°	31.3
70°	26.8
72.5°	22.4
75°	19.4
77.5°	14.9
80°	11.9
82.5°	8.9
85°	4.5
87.5°	3.0
90°	0.0

(END OF REPORT)