

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: P1247699

Luminaire Tested: P3A20R459024D010 E3DL1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247699
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R459024D010 E3DL1LI
Description: 3in Adjustable LED luminaire with, R45 optic, 2400K CCT AND, 90CRI , E3DL1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

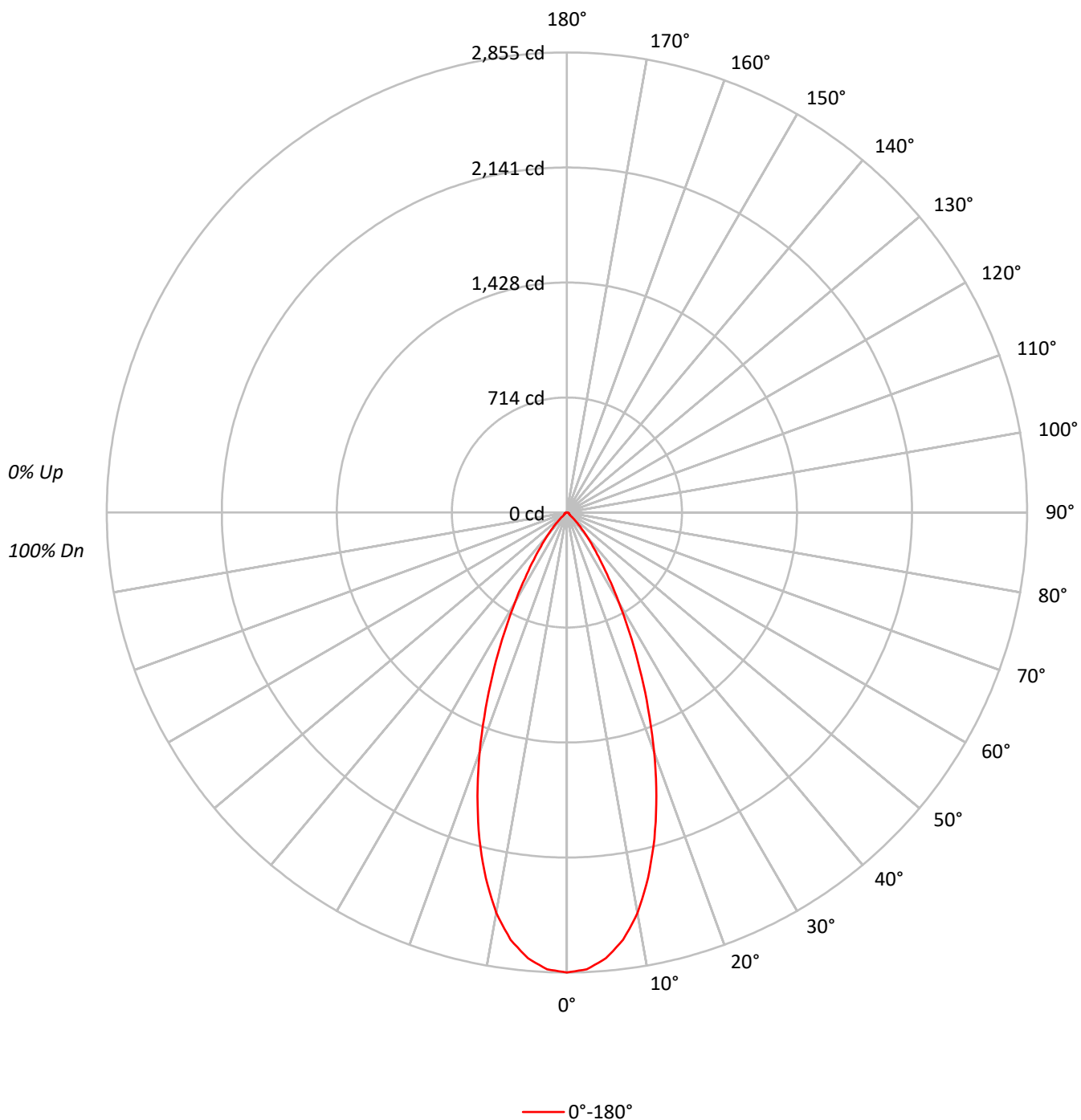
Lumens per Lamp: N/A
Luminaire Lumens: 1667.0 lumens
Efficiency: N/A
Efficacy: 57.9 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	88	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	82	89	85	81		87	83	80		85
5	94	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	76	73	89	81	76	72	80	75	72		78	74	71		77
7	86	78	72	68	85	77	72	68	76	71	68		75	71	67		74
8	83	74	68	65	82	73	68	64	72	68	64		71	67	64		70
9	79	70	65	61	78	70	65	61	69	64	61		68	64	61		67
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	626024
5°	611335
10°	561980
15°	476166
20°	369445
25°	258257
30°	162683
35°	95780
40°	54187
45°	26359
50°	9143
55°	7417
60°	7192
65°	6953
70°	6668
75°	6354
80°	5683
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26359 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.1	15.4
10°-20°	576.0	34.6
20°-30°	489.1	29.3
30°-40°	233.3	14.0
40°-50°	70.3	4.2
50°-60°	17.8	1.1
60°-70°	13.3	0.8
70°-80°	7.9	0.5
80°-90°	2.2	0.1
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°	1322.2	79.3
0°-40°	1555.5	93.3
0°-60°	1643.6	98.6
0°-90°	1667.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1667.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2855	
5°	2777	257
15°	2098	576
25°	1067	489
35°	358	233
45°	85	70
55°	19	18
65°	13	13
75°	8	8
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2854.9
2.5°	2837.0
5°	2777.3
7.5°	2674.5
10°	2523.9
12.5°	2324.1
15°	2097.5
17.5°	1845.6
20°	1583.2
22.5°	1316.4
25°	1067.4
27.5°	840.8
30°	642.5
32.5°	483.0
35°	357.8
37.5°	263.9
40°	189.3
42.5°	131.2
45°	85.0
47.5°	47.7
50°	26.8
52.5°	20.9
55°	19.4
57.5°	17.9
60°	16.4
62.5°	14.9
65°	13.4
67.5°	11.9
70°	10.4
72.5°	8.9
75°	7.5
77.5°	6.0
80°	4.5
82.5°	3.0
85°	1.5
87.5°	1.5
90°	0.0

(END OF REPORT)