

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: P1247524

Luminaire Tested: P3A20R159024D010 E3DL1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247524
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R159024D010 E3DL1LI
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3DL1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

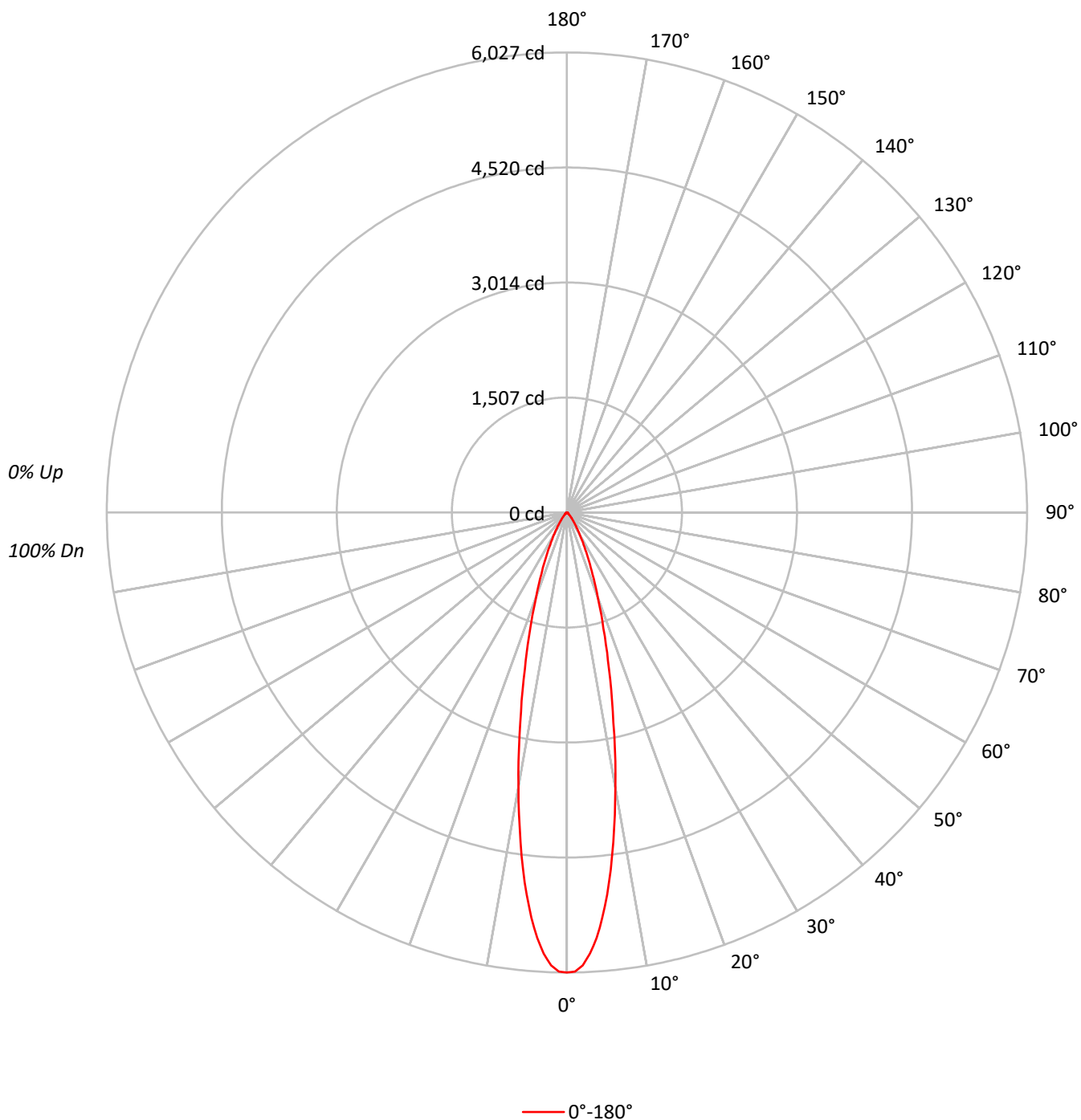
Lumens per Lamp: N/A
Luminaire Lumens: 1547.0 lumens
Efficiency: N/A
Efficacy: 53.7 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.43
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1247524

CATALOG NUMBER: P3A20R159024D010 E3DL1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1247524

CATALOG NUMBER: P3A20R159024D010 E3DL1LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	97		98	96	95		96	94	93	91
3	106	101	97	93	104	99	96	93	97	94	91		94	92	90		92	90	88	87
4	102	96	92	88	100	95	91	88	93	89	87		91	88	86		89	87	85	83
5	98	92	87	84	97	91	87	83	89	85	83		88	84	82		86	83	81	80
6	95	88	83	80	94	87	83	80	86	82	79		85	81	79		83	80	78	77
7	92	85	80	77	91	84	80	76	83	79	76		82	78	76		81	78	75	74
8	89	81	77	74	88	81	77	73	80	76	73		79	75	73		78	75	73	72
9	86	79	74	71	85	78	74	71	77	73	71		77	73	70		76	73	70	69
10	84	76	71	68	83	76	71	68	75	71	68		74	71	68		74	70	68	67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1321539
5°	1173076
10°	814659
15°	481773
20°	274377
25°	156856
30°	86798
35°	46284
40°	25591
45°	13862
50°	8631
55°	6843
60°	5877
65°	5396
70°	4809
75°	5083
80°	3788
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13862 cd/sqm

TEST NUMBER: P1247524

CATALOG NUMBER: P3A20R159024D010 E3DL1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.2	29.3
10°-20°	598.1	38.7
20°-30°	307.9	19.9
30°-40°	115.6	7.5
40°-50°	37.8	2.4
50°-60°	16.3	1.1
60°-70°	10.3	0.7
70°-80°	6.1	0.4
80°-90°	1.6	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°	1359.2	87.9
0°-40°	1474.9	95.3
0°-60°	1529.0	98.8
0°-90°	1547.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1547.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6027	
5°	5329	453
15°	2122	598
25°	648	308
35°	173	116
45°	45	38
55°	18	16
65°	10	10
75°	6	6
85°	2	2
90°	0	

TEST NUMBER: P1247524

CATALOG NUMBER: P3A20R159024D010 E3DL1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	6026.7
1°	6014.8
2°	5935.8
3°	5785.3
4°	5587.1
5°	5329.3
6°	5037.2
7°	4716.8
8°	4360.6
9°	4008.9
10°	3658.7
12.5°	2815.2
15°	2122.2
17.5°	1588.6
20°	1175.8
22.5°	877.8
25°	648.3
27.5°	472.4
30°	342.8
32.5°	242.9
35°	172.9
37.5°	123.7
40°	89.4
42.5°	64.1
45°	44.7
47.5°	32.8
50°	25.3
52.5°	20.9
55°	17.9
57.5°	14.9
60°	13.4
62.5°	11.9
65°	10.4
67.5°	8.9
70°	7.5
72.5°	7.5
75°	6.0
77.5°	4.5
80°	3.0
82.5°	3.0
85°	1.5
87.5°	0.0
90°	0.0

(END OF REPORT)