

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: P1263641

Luminaire Tested: P3A20R709727D010 E3DLP1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263641
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R709727D010 E3DLP1H
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3DLP1H TRIM
Light Source: -
Ballast/Driver: -

Summary

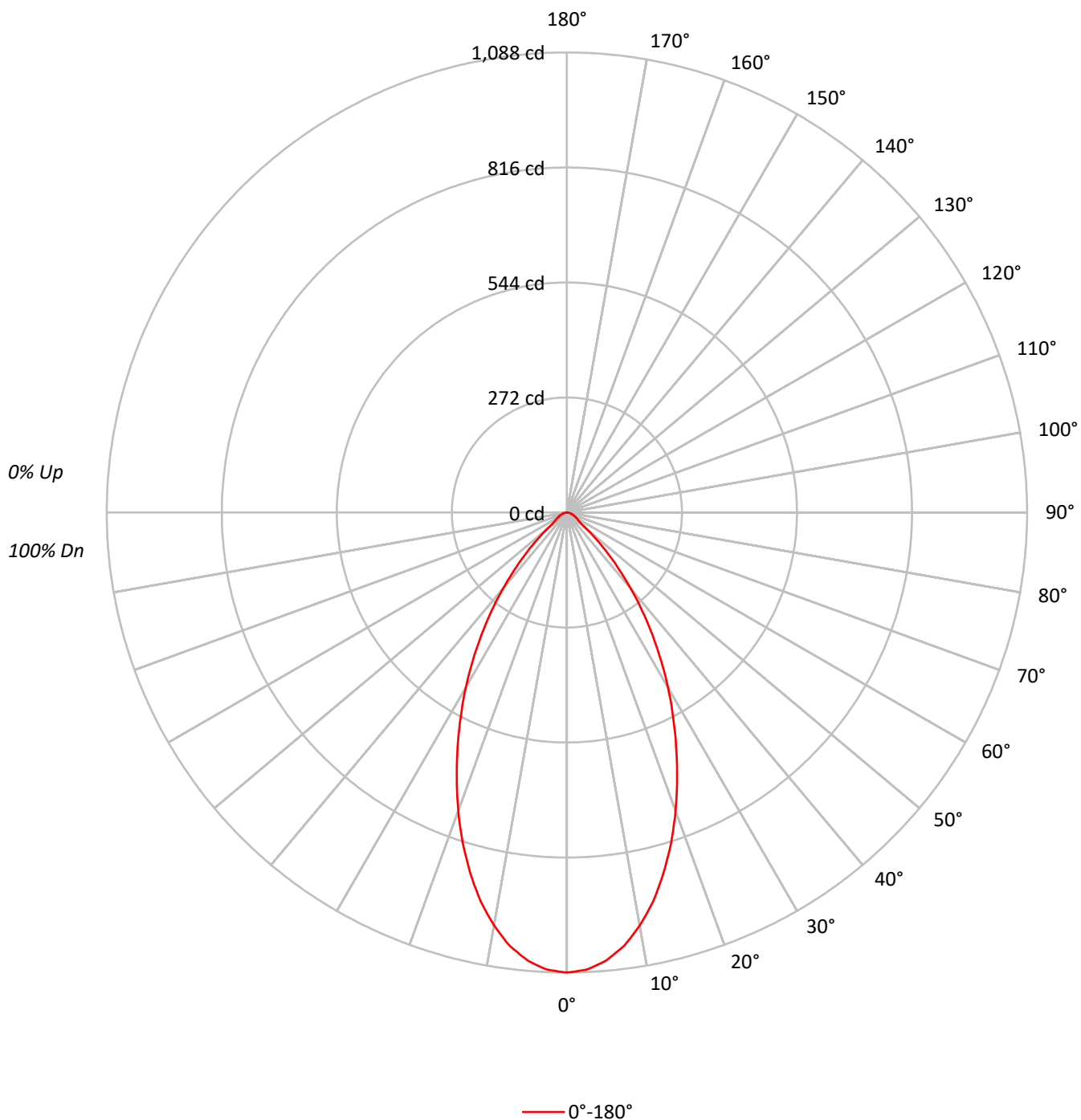
Lumens per Lamp: N/A
Luminaire Lumens: 1017.0 lumens
Efficiency: N/A
Efficacy: 35.3 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1263641

CATALOG NUMBER: P3A20R709727D010 E3DLP1H

Luminous Intensity Polar Plot



TEST NUMBER: P1263641

CATALOG NUMBER: P3A20R709727D010 E3DLP1H

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	104	110	107	105	103	103	101	100		100	98	97		96
2	106	101	97	93	104	99	95	92	96	93	90		93	90	88		90
3	100	93	88	83	98	92	87	83	89	85	81		87	83	80		84
4	95	86	80	76	93	85	80	75	83	78	74		81	77	73		79
5	89	80	74	69	88	79	73	69	78	72	68		76	71	68		74
6	85	75	68	64	83	74	68	64	73	67	63		71	66	63		70
7	80	70	64	59	79	69	63	59	68	62	58		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	62	55	51	71	61	55	51	60	55	51		59	54	51		58
10	69	58	52	48	67	58	52	48	57	51	48		56	51	48		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	238555
5°	234162
10°	220815
15°	200387
20°	175295
25°	147855
30°	121082
35°	93906
40°	67212
45°	42547
50°	21219
55°	12998
60°	11183
65°	10273
70°	9040
75°	8388
80°	7198
85°	7045

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 42547 cd/sqm

TEST NUMBER: P1263641

CATALOG NUMBER: P3A20R709727D010 E3DLP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.3	9.8
10°-20°	245.6	24.2
20°-30°	279.7	27.5
30°-40°	218.7	21.5
40°-50°	107.4	10.6
50°-60°	33.1	3.2
60°-70°	19.6	1.9
70°-80°	10.4	1.0
80°-90°	3.1	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°	624.6	61.4
0°-40°	843.4	82.9
0°-60°	983.9	96.7
0°-90°	1017.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1017.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1088	
5°	1064	99
15°	883	246
25°	611	280
35°	351	219
45°	137	107
55°	34	33
65°	20	20
75°	10	10
85°	3	3
90°	0	

TEST NUMBER: P1263641

CATALOG NUMBER: P3A20R709727D010 E3DLP1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	1087.9
2.5°	1082.2
5°	1063.8
7.5°	1034.1
10°	991.7
12.5°	942.2
15°	882.7
17.5°	819.1
20°	751.2
22.5°	680.4
25°	611.1
27.5°	543.2
30°	478.2
32.5°	413.1
35°	350.8
37.5°	291.4
40°	234.8
42.5°	182.5
45°	137.2
47.5°	96.2
50°	62.2
52.5°	41.0
55°	34.0
57.5°	29.7
60°	25.5
62.5°	22.6
65°	19.8
67.5°	17.0
70°	14.1
72.5°	11.3
75°	9.9
77.5°	8.5
80°	5.7
82.5°	4.2
85°	2.8
87.5°	1.4
90°	0.0

(END OF REPORT)