

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: P1249351

Luminaire Tested: P3AS13R459027DE010 E3DLP1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249351
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R459027DE010 E3DLP1H
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 90CRI , E3DLP1H TRIM
Light Source: -
Ballast/Driver: -

Summary

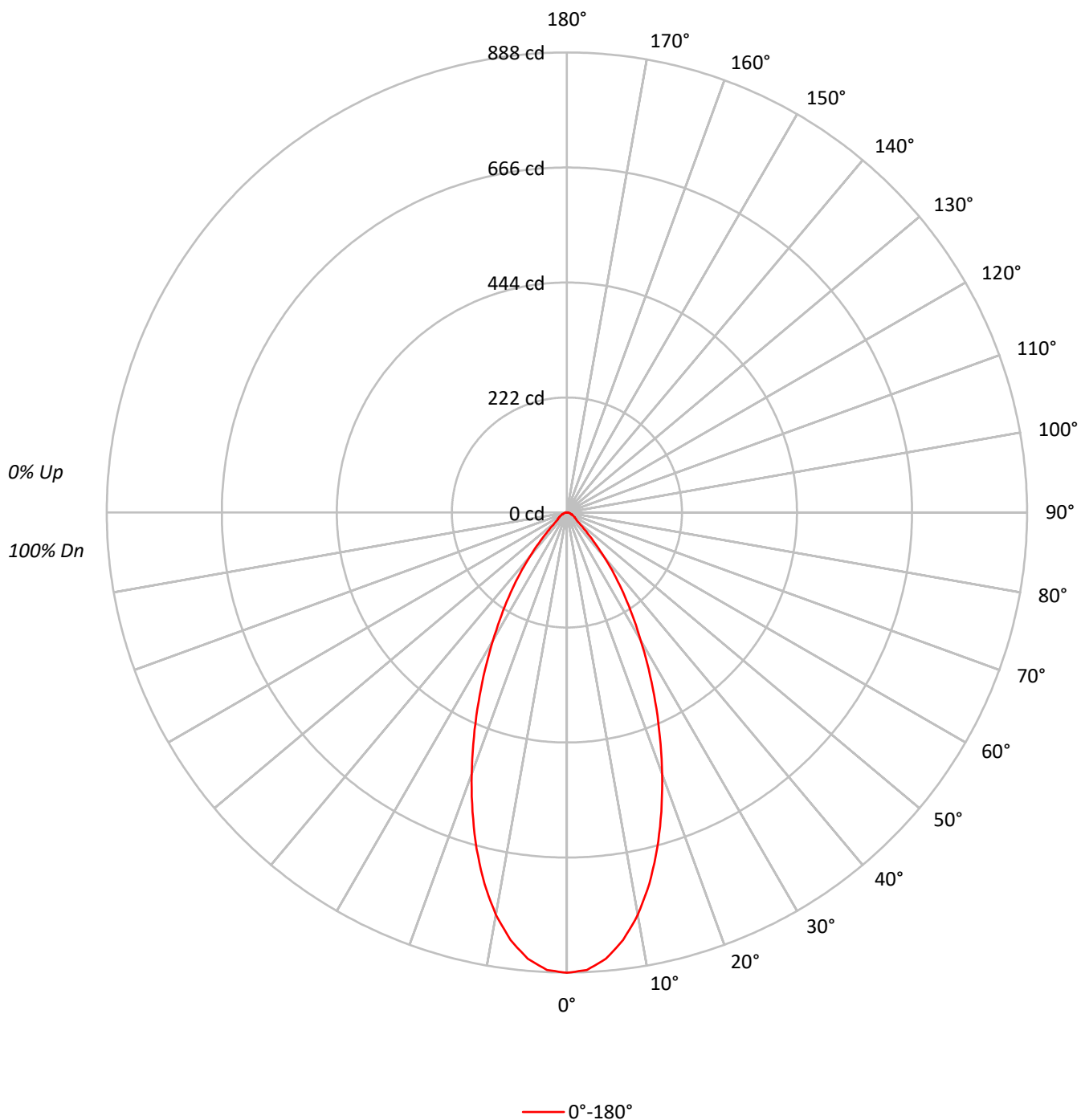
Lumens per Lamp: N/A
Luminaire Lumens: 654.0 lumens
Efficiency: N/A
Efficacy: 44.8 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1249351

CATALOG NUMBER: P3AS13R459027DE010 E3DLP1H

Luminous Intensity Polar Plot



TEST NUMBER: P1249351

CATALOG NUMBER: P3AS13R459027DE010 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	105	111	108	106	103	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	102	95	90	85	100	93	89	85	91	87	83		88	85	82		86
4	96	88	83	78	94	87	82	78	85	81	77		83	79	76		81
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77
6	87	78	72	67	85	77	71	67	75	70	66		74	69	66		73
7	83	73	67	63	81	72	67	63	71	66	62		70	65	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	59	55		63	58	55		62
10	72	62	56	52	71	61	56	52	61	55	52		60	55	52		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	194809
5°	190358
10°	175592
15°	152691
20°	125451
25°	97602
30°	72062
35°	50728
40°	31659
45°	17149
50°	9279
55°	7952
60°	7149
65°	6123
70°	5257
75°	5338
80°	4546
85°	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17149 cd/sqm

TEST NUMBER: P1249351

CATALOG NUMBER: P3AS13R459027DE010 E3DLP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.1	12.2
10°-20°	185.9	28.4
20°-30°	184.6	28.2
30°-40°	118.9	18.2
40°-50°	45.8	7.0
50°-60°	18.6	2.8
60°-70°	11.8	1.8
70°-80°	6.3	1.0
80°-90°	2.0	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°	450.6	68.9
0°-40°	569.5	87.1
0°-60°	633.9	96.9
0°-90°	654.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	654.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	888	
5°	865	80
15°	673	186
25°	403	185
35°	190	119
45°	55	46
55°	21	19
65°	12	12
75°	6	6
85°	2	2
90°	0	

TEST NUMBER: P1249351

CATALOG NUMBER: P3AS13R459027DE010 E3DLP1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	888.4
2.5°	883.8
5°	864.8
7.5°	832.2
10°	788.6
12.5°	734.3
15°	672.6
17.5°	605.5
20°	537.6
22.5°	468.7
25°	403.4
27.5°	341.7
30°	284.6
32.5°	234.8
35°	189.5
37.5°	148.7
40°	110.6
42.5°	79.8
45°	55.3
47.5°	37.2
50°	27.2
52.5°	22.7
55°	20.8
57.5°	18.1
60°	16.3
62.5°	13.6
65°	11.8
67.5°	10.0
70°	8.2
72.5°	7.3
75°	6.3
77.5°	4.5
80°	3.6
82.5°	2.7
85°	1.8
87.5°	0.9
90°	0.0

(END OF REPORT)