

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: P1272731

Luminaire Tested: P3AS20R459827D010 E3DLD1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272731
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: P3AS20R459827D010 E3DLD1LI
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 98CRI , E3DLD1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

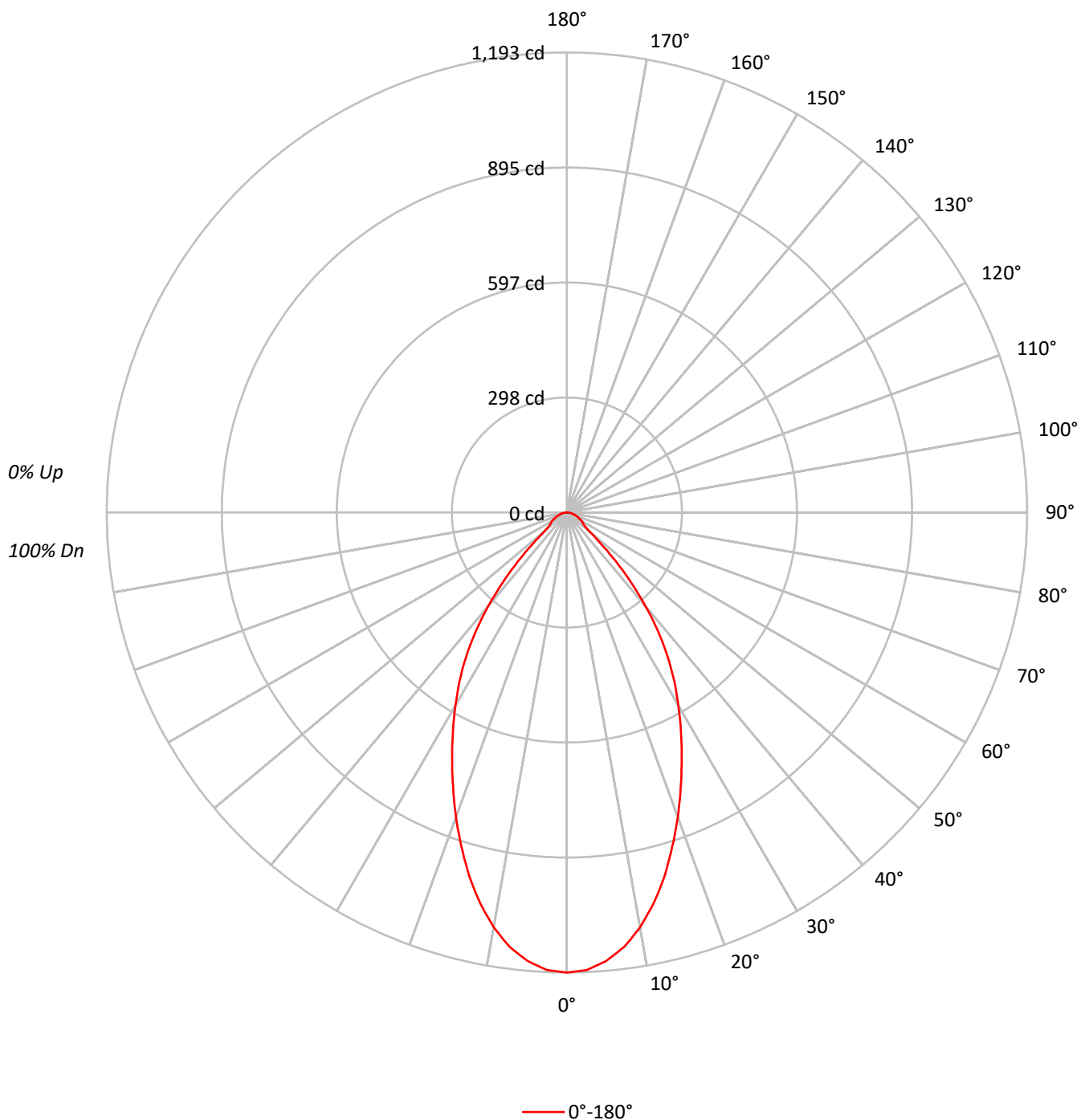
Lumens per Lamp: N/A
Luminaire Lumens: 1234.0 lumens
Efficiency: N/A
Efficacy: 45.0 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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: P1272731

CATALOG NUMBER: P3AS20R459827D010 E3DLD1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1272731

CATALOG NUMBER: P3AS20R459827D010 E3DLD1LI

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°	261646
5°	257010
10°	243193
15°	221795
20°	196134
25°	170308
30°	146200
35°	121827
40°	90770
45°	55572
50°	25722
55°	20109
60°	19341
65°	17693
70°	16413
75°	15674
80°	14396
85°	10819

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 55572 cd/sqm

TEST NUMBER: P1272731

CATALOG NUMBER: P3AS20R459827D010 E3DLD1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.1	8.8
10°-20°	272.0	22.0
20°-30°	323.2	26.2
30°-40°	280.8	22.8
40°-50°	140.8	11.4
50°-60°	48.9	4.0
60°-70°	34.3	2.8
70°-80°	19.1	1.5
80°-90°	5.8	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°	704.3	57.1
0°-40°	985.1	79.8
0°-60°	1174.8	95.2
0°-90°	1234.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1234.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1193	
5°	1168	109
15°	977	272
25°	704	323
35°	455	281
45°	179	141
55°	53	49
65°	34	34
75°	18	19
85°	4	6
90°	0	

TEST NUMBER: P1272731

CATALOG NUMBER: P3AS20R459827D010 E3DLD1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	1193.2
2.5°	1187.5
5°	1167.6
7.5°	1136.3
10°	1092.2
12.5°	1038.1
15°	977.0
17.5°	908.7
20°	840.5
22.5°	770.8
25°	703.9
27.5°	640.0
30°	577.4
32.5°	517.6
35°	455.1
37.5°	388.2
40°	317.1
42.5°	247.4
45°	179.2
47.5°	118.0
50°	75.4
52.5°	58.3
55°	52.6
57.5°	48.4
60°	44.1
62.5°	39.8
65°	34.1
67.5°	29.9
70°	25.6
72.5°	21.3
75°	18.5
77.5°	14.2
80°	11.4
82.5°	8.5
85°	4.3
87.5°	2.8
90°	0.0

(END OF REPORT)