

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: P1272416

Luminaire Tested: P3AS17R509827DE010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272416
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS17R509827DE010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 98CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

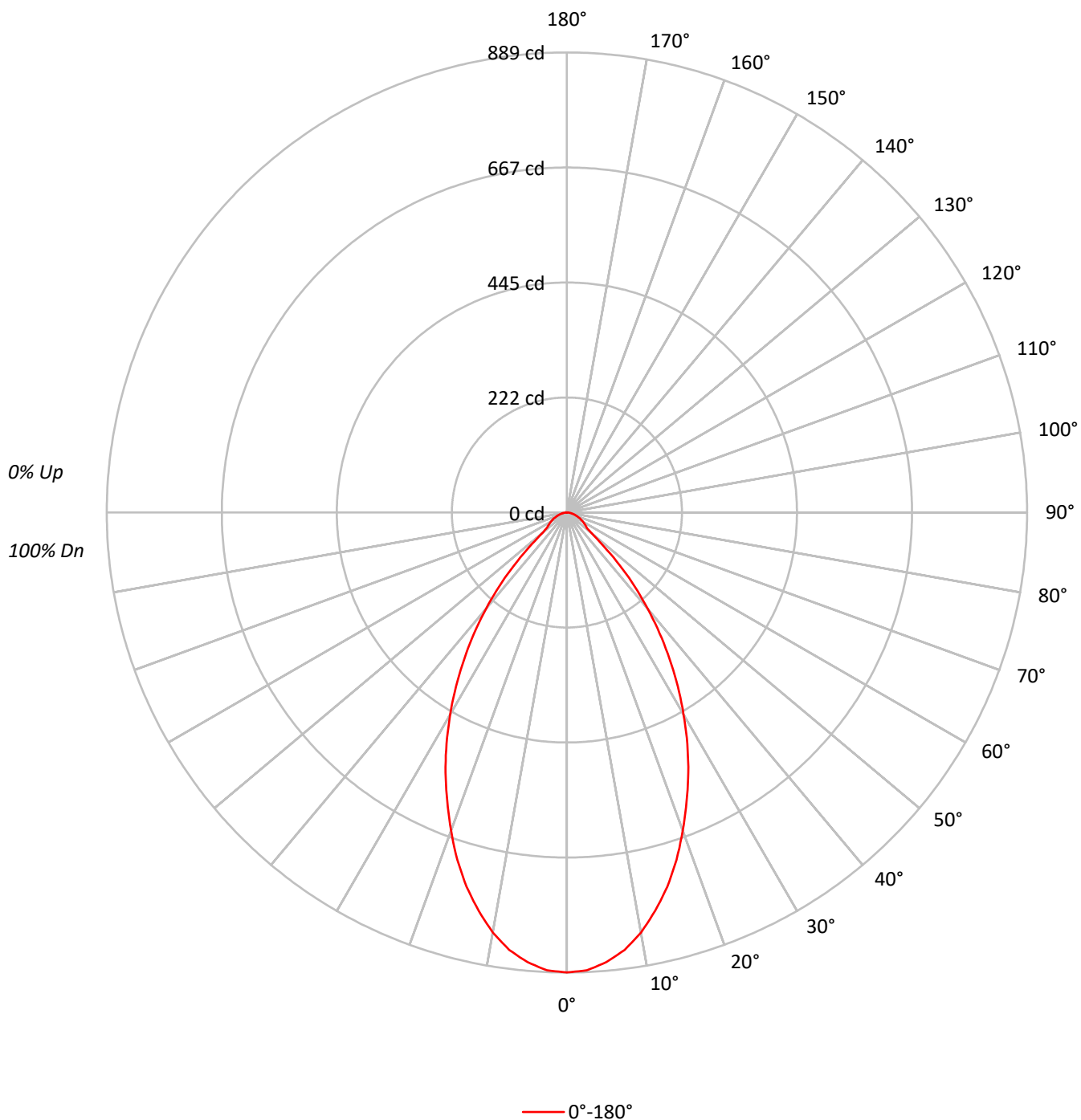
Lumens per Lamp: N/A
Luminaire Lumens: 959.0 lumens
Efficiency: N/A
Efficacy: 47.0 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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

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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	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	85	78	73	91	83	77	73	81	76	72		79	75	71		77
5	88	78	72	67	86	77	71	66	75	70	66		74	69	65		72
6	83	73	66	61	81	72	65	61	70	65	60		69	64	60		67
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63
8	74	63	57	52	73	63	56	52	61	56	52		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	52	48		56
10	66	56	49	45	65	55	49	45	54	49	45		54	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	194897
5°	192009
10°	183519
15°	169967
20°	152730
25°	134258
30°	114169
35°	92595
40°	69559
45°	44811
50°	21287
55°	16745
60°	15832
65°	14788
70°	13336
75°	12031
80°	11113
85°	11070

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 44811 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.8	8.5
10°-20°	208.7	21.8
20°-30°	253.6	26.4
30°-40°	215.1	22.4
40°-50°	111.7	11.6
50°-60°	40.3	4.2
60°-70°	27.9	2.9
70°-80°	15.1	1.6
80°-90°	4.8	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°	544.1	56.7
0°-40°	759.2	79.2
0°-60°	911.2	95.0
0°-90°	959.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	959.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	889	
5°	872	82
15°	749	209
25°	555	254
35°	346	215
45°	144	112
55°	44	40
65°	28	28
75°	14	15
85°	4	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	888.8
2.5°	885.5
5°	872.3
7.5°	852.6
10°	824.2
12.5°	788.1
15°	748.7
17.5°	703.8
20°	654.5
22.5°	604.2
25°	554.9
27.5°	503.5
30°	450.9
32.5°	398.4
35°	345.9
37.5°	294.4
40°	243.0
42.5°	193.7
45°	144.5
47.5°	96.3
50°	62.4
52.5°	48.2
55°	43.8
57.5°	39.4
60°	36.1
62.5°	31.7
65°	28.5
67.5°	24.1
70°	20.8
72.5°	17.5
75°	14.2
77.5°	10.9
80°	8.8
82.5°	6.6
85°	4.4
87.5°	2.2
90°	0.0

(END OF REPORT)