

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: P1271878

Luminaire Tested: P3AS13R159827DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271878
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R159827DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

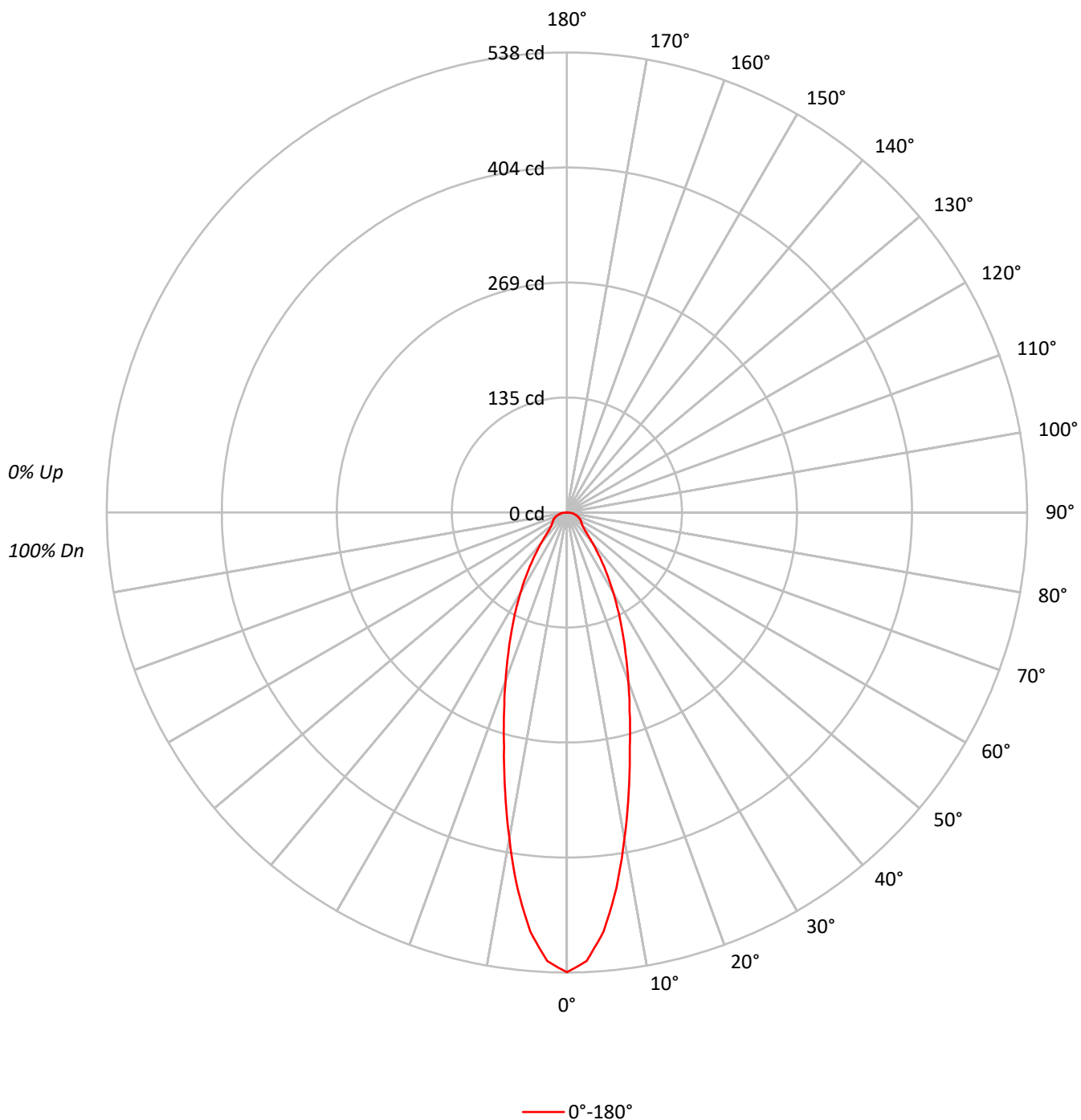
Lumens per Lamp: N/A
Luminaire Lumens: 315.0 lumens
Efficiency: N/A
Efficacy: 21.7 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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: P1271878

CATALOG NUMBER: P3AS13R159827DE010 E3PHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1271878

CATALOG NUMBER: P3AS13R159827DE010 E3PHLP1MW

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	108	105	102	109	106	103	100	102	99	97		98	96	94		95
2	105	99	94	90	102	97	92	89	94	90	87		91	87	85		88
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		82
4	93	84	78	73	91	83	77	72	81	76	71		79	74	71		77
5	88	78	72	67	86	77	71	67	76	70	66		74	69	65		72
6	83	73	67	62	82	73	66	62	71	65	61		70	65	61		68
7	79	69	62	58	78	68	62	58	67	61	57		66	61	57		65
8	75	65	59	54	74	65	58	54	63	58	54		62	57	54		61
9	72	62	55	51	71	61	55	51	60	55	51		59	54	51		58
10	69	59	52	48	68	58	52	48	57	52	48		56	51	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	117907
5°	108254
10°	86260
15°	64473
20°	48958
25°	37067
30°	27422
35°	19595
40°	13397
45°	9365
50°	7983
55°	7837
60°	8113
65°	8613
70°	8784
75°	9065
80°	9850
85°	9812

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 11424 cd/sqm

TEST NUMBER: P1271878

CATALOG NUMBER: P3AS13R159827DE010 E3PHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.6	13.8
10°-20°	79.6	25.3
20°-30°	70.6	22.4
30°-40°	46.2	14.7
40°-50°	24.7	7.8
50°-60°	18.6	5.9
60°-70°	16.1	5.1
70°-80°	11.1	3.5
80°-90°	4.5	1.4
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°	193.8	61.5
0°-40°	240.0	76.2
0°-60°	283.3	89.9
0°-90°	315.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	315.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	538	
5°	492	44
15°	284	80
25°	153	71
35°	73	46
45°	30	25
55°	20	19
65°	17	16
75°	11	11
85°	4	5
90°	0	

TEST NUMBER: P1271878

CATALOG NUMBER: P3AS13R159827DE010 E3PHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	537.7
2.5°	525.0
5°	491.8
7.5°	443.0
10°	387.4
12.5°	333.7
15°	284.0
17.5°	243.9
20°	209.8
22.5°	179.5
25°	153.2
27.5°	129.8
30°	108.3
32.5°	89.8
35°	73.2
37.5°	58.5
40°	46.8
42.5°	37.1
45°	30.2
47.5°	26.3
50°	23.4
52.5°	22.4
55°	20.5
57.5°	19.5
60°	18.5
62.5°	17.6
65°	16.6
67.5°	14.6
70°	13.7
72.5°	11.7
75°	10.7
77.5°	8.8
80°	7.8
82.5°	6.8
85°	3.9
87.5°	2.0
90°	0.0

(END OF REPORT)