

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: P1246819

Luminaire Tested: P3A13R159024DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246819
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: P3A13R159024DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

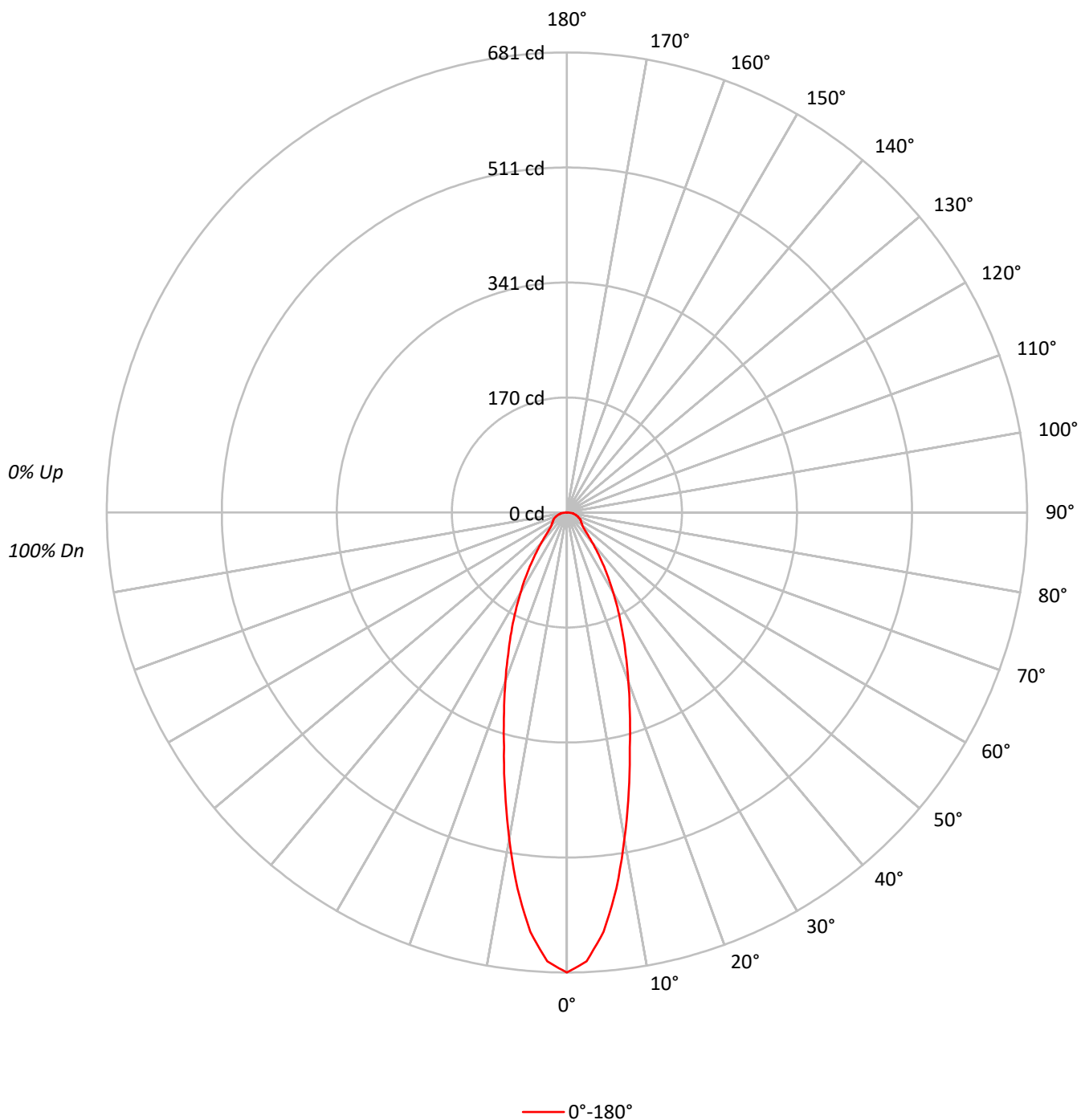
Lumens per Lamp: N/A
Luminaire Lumens: 399.0 lumens
Efficiency: N/A
Efficacy: 27.3 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1246819

CATALOG NUMBER: P3A13R159024DE010 E3PHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1246819

CATALOG NUMBER: P3A13R159024DE010 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°	149330
5°	137112
10°	109261
15°	81658
20°	62002
25°	46962
30°	34740
35°	24815
40°	16975
45°	11877
50°	10132
55°	9940
60°	10306
65°	10896
70°	11092
75°	11522
80°	12502
85°	12328

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 14616 cd/sqm

TEST NUMBER: P1246819

CATALOG NUMBER: P3A13R159024DE010 E3PHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.2	13.8
10°-20°	100.9	25.3
20°-30°	89.4	22.4
30°-40°	58.5	14.7
40°-50°	31.3	7.8
50°-60°	23.7	5.9
60°-70°	20.3	5.1
70°-80°	14.0	3.5
80°-90°	5.7	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°	245.4	61.5
0°-40°	304.0	76.2
0°-60°	358.9	90.0
0°-90°	399.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	399.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	681	
5°	623	55
15°	360	101
25°	194	89
35°	93	59
45°	38	31
55°	26	24
65°	21	20
75°	14	14
85°	5	6
90°	0	

TEST NUMBER: P1246819

CATALOG NUMBER: P3A13R159024DE010 E3PHLP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	681.0
2.5°	665.0
5°	622.9
7.5°	561.1
10°	490.7
12.5°	422.7
15°	359.7
17.5°	309.0
20°	265.7
22.5°	227.4
25°	194.1
27.5°	164.4
30°	137.2
32.5°	113.7
35°	92.7
37.5°	74.2
40°	59.3
42.5°	47.0
45°	38.3
47.5°	33.4
50°	29.7
52.5°	28.4
55°	26.0
57.5°	24.7
60°	23.5
62.5°	22.2
65°	21.0
67.5°	18.5
70°	17.3
72.5°	14.8
75°	13.6
77.5°	11.1
80°	9.9
82.5°	8.7
85°	4.9
87.5°	2.5
90°	0.0

(END OF REPORT)