

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: P1246909

Luminaire Tested: P3A13R309024DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246909
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R309024DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

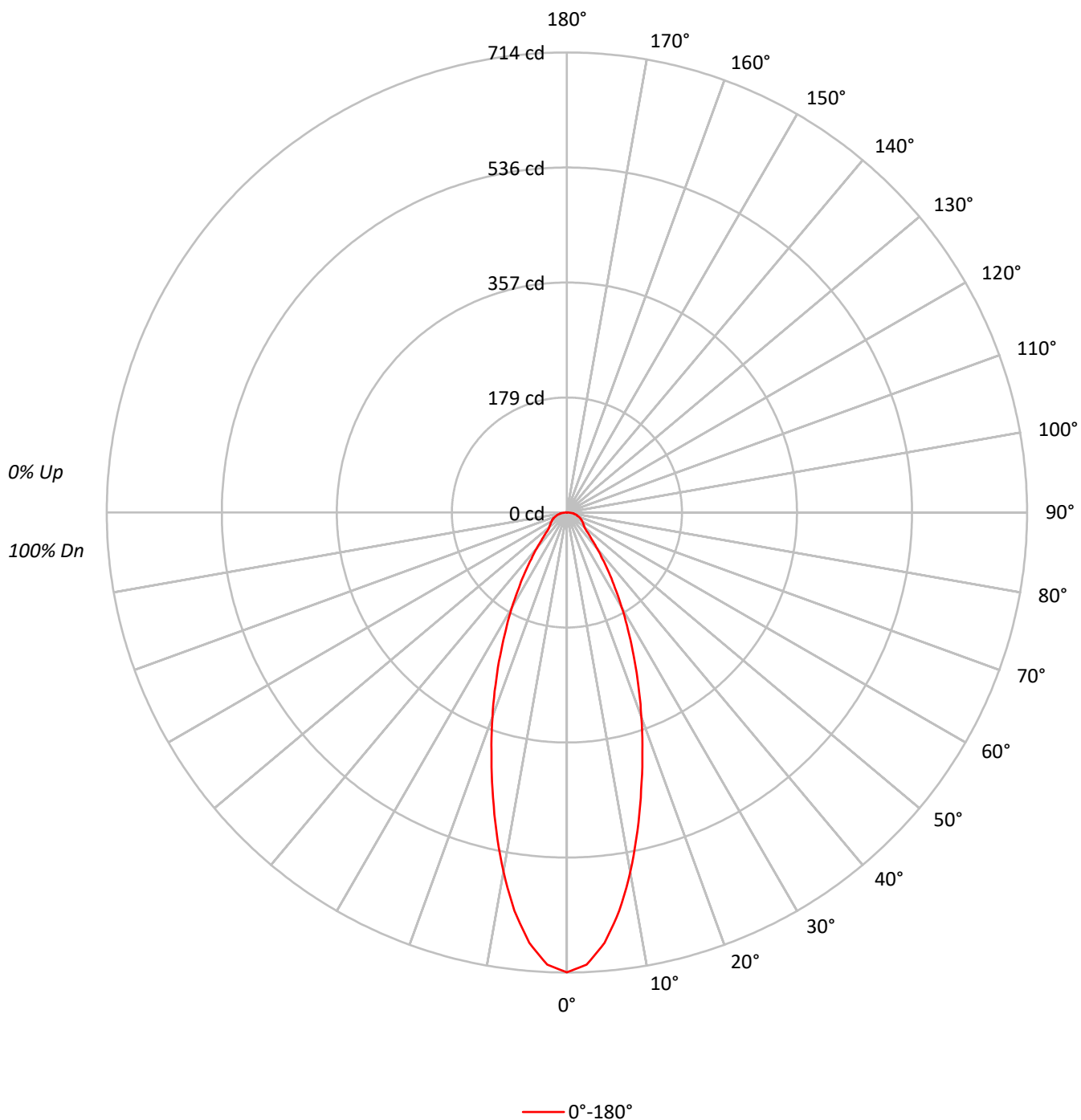
Lumens per Lamp: N/A
Luminaire Lumens: 482.0 lumens
Efficiency: N/A
Efficacy: 33.0 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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	108	105	102	109	106	103	101	102	100	97		98	96	94		95
2	105	99	94	90	103	97	93	89	94	90	87		91	88	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	66	75	70	66		74	69	65		72
6	83	73	67	62	82	72	66	62	71	65	61		69	64	61		68
7	79	69	62	57	78	68	62	57	67	61	57		66	60	57		64
8	75	65	58	54	74	64	58	54	63	57	53		62	57	53		61
9	72	61	55	51	71	61	55	51	60	54	50		59	54	50		58
10	68	58	52	48	67	58	52	48	57	51	48		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	156501
5°	147567
10°	126139
15°	101090
20°	78804
25°	59253
30°	43222
35°	30463
40°	20896
45°	14947
50°	12247
55°	11813
60°	11929
65°	12193
70°	12694
75°	13640
80°	14017
85°	15599

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 16632 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.7	12.6
10°-20°	123.7	25.7
20°-30°	112.7	23.4
30°-40°	71.8	14.9
40°-50°	38.4	8.0
50°-60°	28.1	5.8
60°-70°	23.6	4.9
70°-80°	16.5	3.4
80°-90°	6.6	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°	297.1	61.6
0°-40°	368.9	76.5
0°-60°	435.4	90.3
0°-90°	482.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	482.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	714	
5°	670	61
15°	445	124
25°	245	113
35°	114	72
45°	48	38
55°	31	28
65°	24	24
75°	16	16
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	713.7
2.5°	702.5
5°	670.4
7.5°	623.4
10°	566.5
12.5°	505.9
15°	445.3
17.5°	389.6
20°	337.7
22.5°	289.4
25°	244.9
27.5°	205.3
30°	170.7
32.5°	138.5
35°	113.8
37.5°	90.3
40°	73.0
42.5°	58.1
45°	48.2
47.5°	39.6
50°	35.9
52.5°	33.4
55°	30.9
57.5°	29.7
60°	27.2
62.5°	26.0
65°	23.5
67.5°	22.3
70°	19.8
72.5°	17.3
75°	16.1
77.5°	13.6
80°	11.1
82.5°	9.9
85°	6.2
87.5°	2.5
90°	0.0

(END OF REPORT)