

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: P1246845

Luminaire Tested: P3A13R209024DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246845
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R209024DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

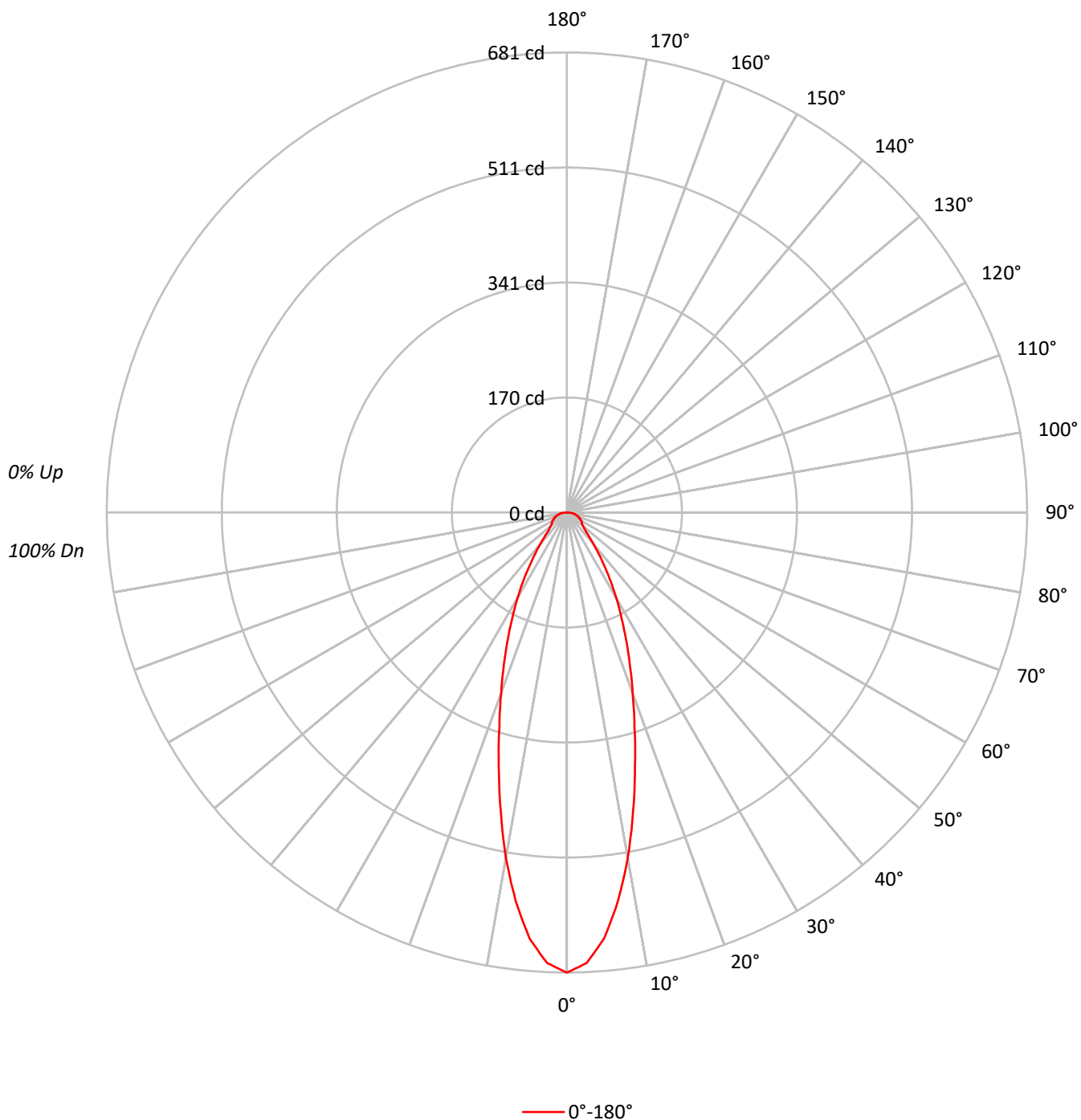
Lumens per Lamp: N/A
Luminaire Lumens: 420.0 lumens
Efficiency: N/A
Efficacy: 28.8 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1246845

CATALOG NUMBER: P3A13R209024DE010 E3PHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1246845

CATALOG NUMBER: P3A13R209024DE010 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	101	102	100	97		98	96	95		95
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82
4	93	84	78	73	91	83	77	73	81	76	72		79	74	71		77
5	88	79	72	67	86	78	71	67	76	70	66		74	69	66		72
6	84	74	67	62	82	73	66	62	71	66	61		70	65	61		68
7	79	69	63	58	78	68	62	58	67	62	57		66	61	57		65
8	76	65	59	54	74	65	58	54	64	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	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	149352
5°	139313
10°	115607
15°	88400
20°	66342
25°	49938
30°	36942
35°	25806
40°	17690
45°	12280
50°	10541
55°	10399
60°	10832
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: P1246845

CATALOG NUMBER: P3A13R209024DE010 E3PHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.7	13.5
10°-20°	108.3	25.8
20°-30°	95.2	22.7
30°-40°	61.5	14.6
40°-50°	32.6	7.8
50°-60°	24.5	5.8
60°-70°	20.8	5.0
70°-80°	14.7	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°	260.2	62.0
0°-40°	321.7	76.6
0°-60°	378.8	90.2
0°-90°	420.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	420.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	681	
5°	633	57
15°	389	108
25°	206	95
35°	96	61
45°	40	33
55°	27	24
65°	21	21
75°	14	15
85°	5	6
90°	0	

TEST NUMBER: P1246845

CATALOG NUMBER: P3A13R209024DE010 E3PHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	681.1
2.5°	667.5
5°	632.9
7.5°	579.8
10°	519.2
12.5°	452.4
15°	389.4
17.5°	332.5
20°	284.3
22.5°	243.5
25°	206.4
27.5°	174.3
30°	145.9
32.5°	119.9
35°	96.4
37.5°	77.9
40°	61.8
42.5°	49.4
45°	39.6
47.5°	34.6
50°	30.9
52.5°	28.4
55°	27.2
57.5°	26.0
60°	24.7
62.5°	22.3
65°	21.0
67.5°	19.8
70°	17.3
72.5°	16.1
75°	13.6
77.5°	12.4
80°	9.9
82.5°	8.7
85°	4.9
87.5°	2.5
90°	0.0

(END OF REPORT)