

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: P1269774

Luminaire Tested: P3A13R209740DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1269774
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: P3A13R209740DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

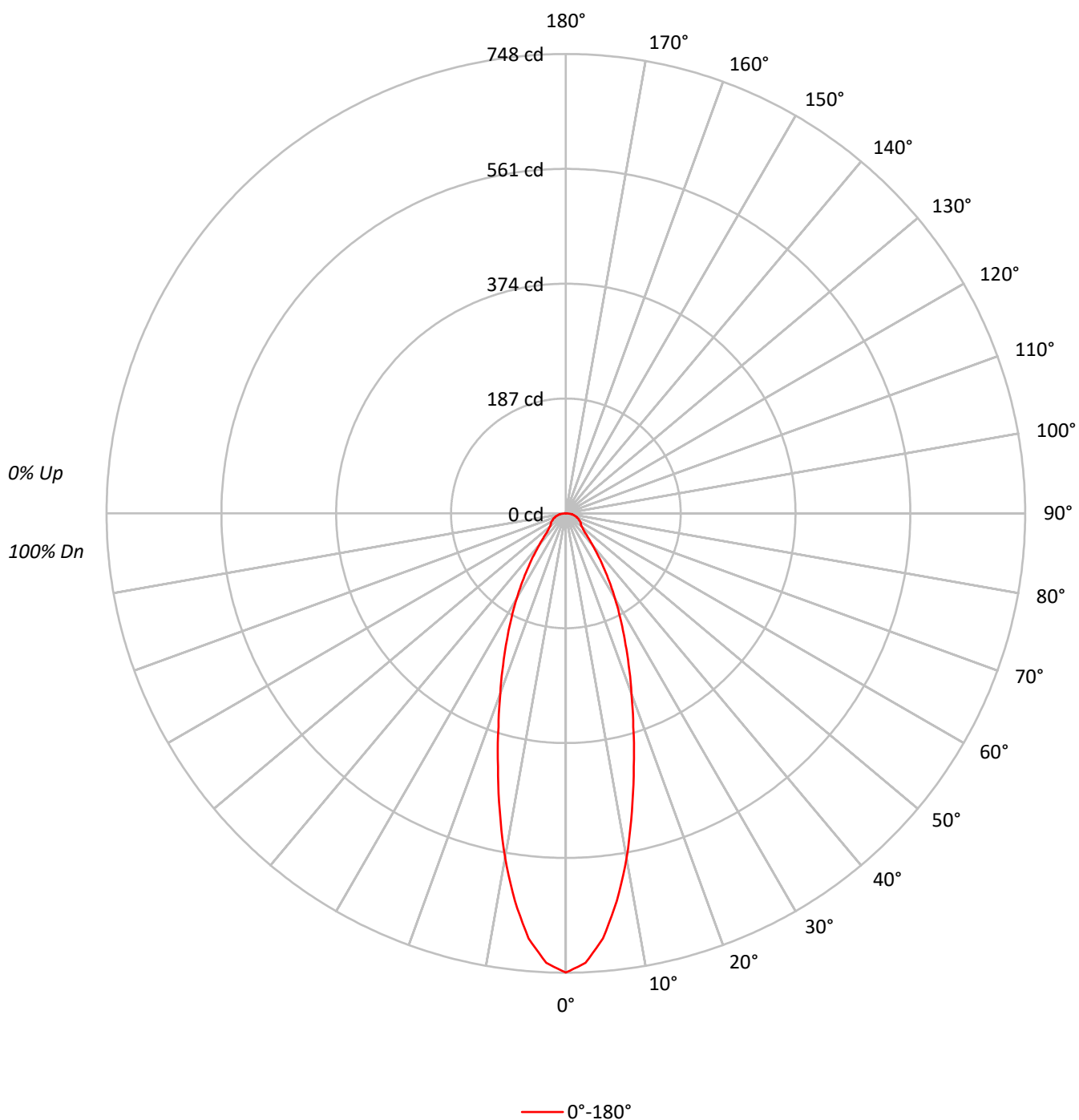
Lumens per Lamp: N/A
Luminaire Lumens: 461.0 lumens
Efficiency: N/A
Efficacy: 31.6 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1269774

CATALOG NUMBER: P3A13R209740DE010 E3PHLP1MW

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	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		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	163934
5°	152916
10°	126896
15°	97027
20°	72830
25°	54826
30°	40538
35°	28322
40°	19408
45°	13459
50°	11565
55°	11431
60°	11885
65°	11986
70°	12182
75°	12624
80°	13764
85°	13586

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 15960 cd/sqm

TEST NUMBER: P1269774

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.2	13.5
10°-20°	118.8	25.8
20°-30°	104.5	22.7
30°-40°	67.5	14.6
40°-50°	35.8	7.8
50°-60°	26.9	5.8
60°-70°	22.8	5.0
70°-80°	16.1	3.5
80°-90°	6.3	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°	285.6	62.0
0°-40°	353.1	76.6
0°-60°	415.8	90.2
0°-90°	461.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	461.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	748	
5°	695	62
15°	427	119
25°	227	105
35°	106	67
45°	43	36
55°	30	27
65°	23	23
75°	15	16
85°	5	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	747.6
2.5°	732.7
5°	694.7
7.5°	636.4
10°	569.9
12.5°	496.6
15°	427.4
17.5°	365.0
20°	312.1
22.5°	267.3
25°	226.6
27.5°	191.3
30°	160.1
32.5°	131.6
35°	105.8
37.5°	85.5
40°	67.8
42.5°	54.3
45°	43.4
47.5°	38.0
50°	33.9
52.5°	31.2
55°	29.9
57.5°	28.5
60°	27.1
62.5°	24.4
65°	23.1
67.5°	21.7
70°	19.0
72.5°	17.6
75°	14.9
77.5°	13.6
80°	10.9
82.5°	9.5
85°	5.4
87.5°	2.7
90°	0.0

(END OF REPORT)