

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: P1257393

Luminaire Tested: P3AS13R309040DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1257393
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS13R309040DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

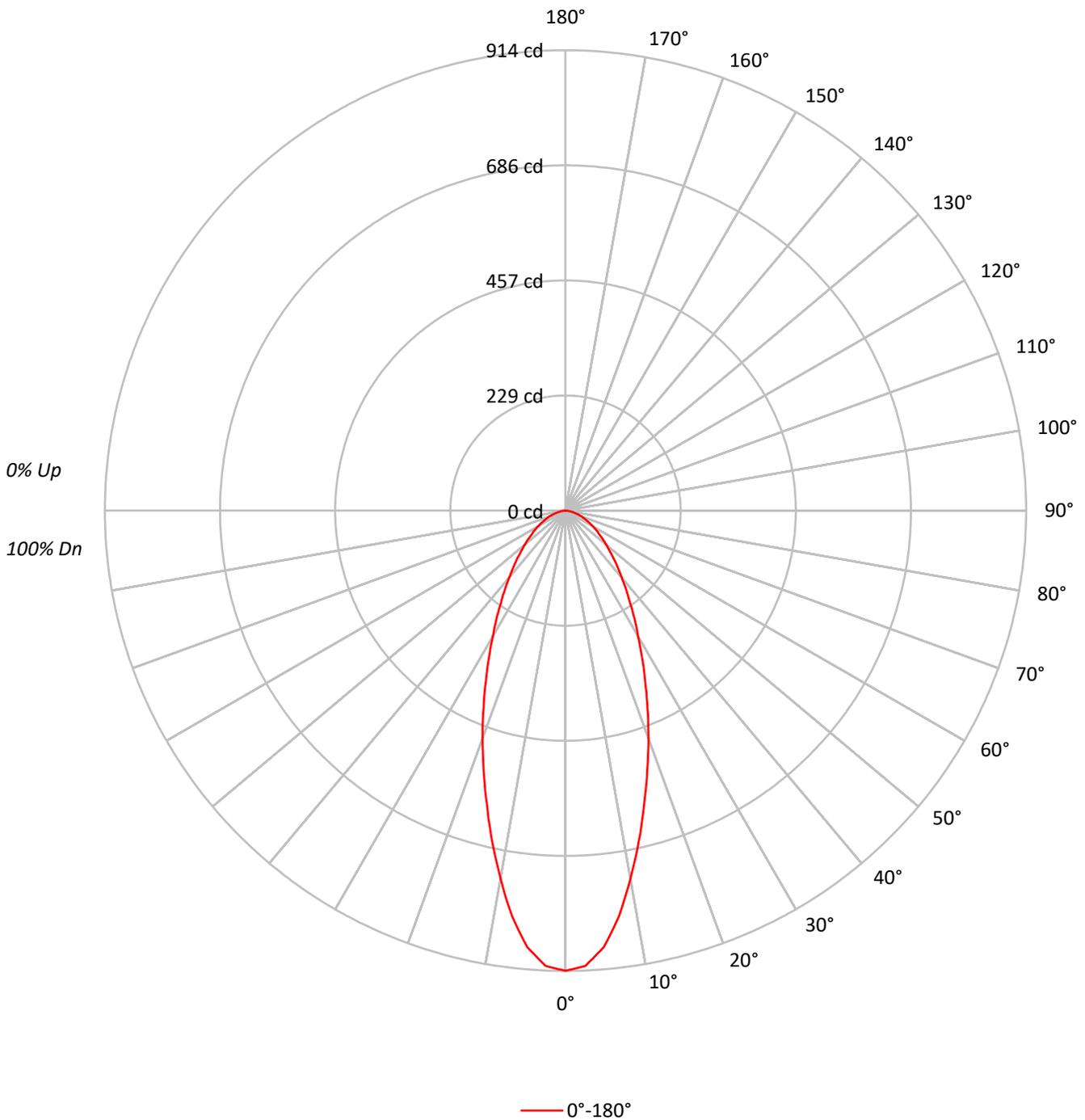
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 813.0 lumens
Efficiency: N/A
Efficacy: 55.7 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.74
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: P1257393
CATALOG NUMBER: P3AS13R309040DE010 E3PHLD1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1257393

CATALOG NUMBER: P3AS13R309040DE010 E3PHLD1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	94	93	91	90
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	74	70	66	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	69	64	61	59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	64	59	56	54
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	60	55	51	50
8	71	60	53	48	70	60	53	48	58	52	48	57	52	48	56	51	48	56	51	48	46
9	68	57	50	45	66	56	49	45	55	49	45	54	49	45	53	48	44	53	48	44	43
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	200335
5°	191481
10°	165149
15°	136891
20°	112220
25°	90465
30°	72923
35°	59722
40°	49636
45°	42082
50°	35990
55°	31120
60°	27761
65°	24231
70°	21286
75°	17877
80°	13386
85°	7548

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 42082 cd/sqm



TEST NUMBER: P1257393
 CATALOG NUMBER: P3AS13R309040DE010 E3PHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.9	9.7
10°-20°	168.2	20.7
20°-30°	172.4	21.2
30°-40°	140.9	17.3
40°-50°	105.4	13.0
50°-60°	74.0	9.1
60°-70°	46.6	5.7
70°-80°	22.4	2.8
80°-90°	4.3	0.5
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°	419.4	51.6
0°-40°	560.3	68.9
0°-60°	739.7	91.0
0°-90°	813.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	813.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	914	
5°	870	79
15°	603	168
25°	374	172
35°	223	141
45°	136	105
55°	81	74
65°	47	47
75°	21	22
85°	3	4
90°	0	



TEST NUMBER: P1257393
CATALOG NUMBER: P3AS13R309040DE010 E3PHLD1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	913.6
2.5°	904.6
5°	869.9
7.5°	812.6
10°	741.7
12.5°	672.4
15°	603.0
17.5°	539.7
20°	480.9
22.5°	425.1
25°	373.9
27.5°	328.7
30°	288.0
32.5°	254.8
35°	223.1
37.5°	197.5
40°	173.4
42.5°	153.8
45°	135.7
47.5°	119.1
50°	105.5
52.5°	93.5
55°	81.4
57.5°	72.4
60°	63.3
62.5°	54.3
65°	46.7
67.5°	39.2
70°	33.2
72.5°	27.1
75°	21.1
77.5°	15.1
80°	10.6
82.5°	6.0
85°	3.0
87.5°	1.5
90°	0.0

(END OF REPORT)