

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: P1247020

Luminaire Tested: P3A13R509024DE010 E3DLP1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247020
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R509024DE010 E3DLP1WMH
Description: 3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , E3DLP1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

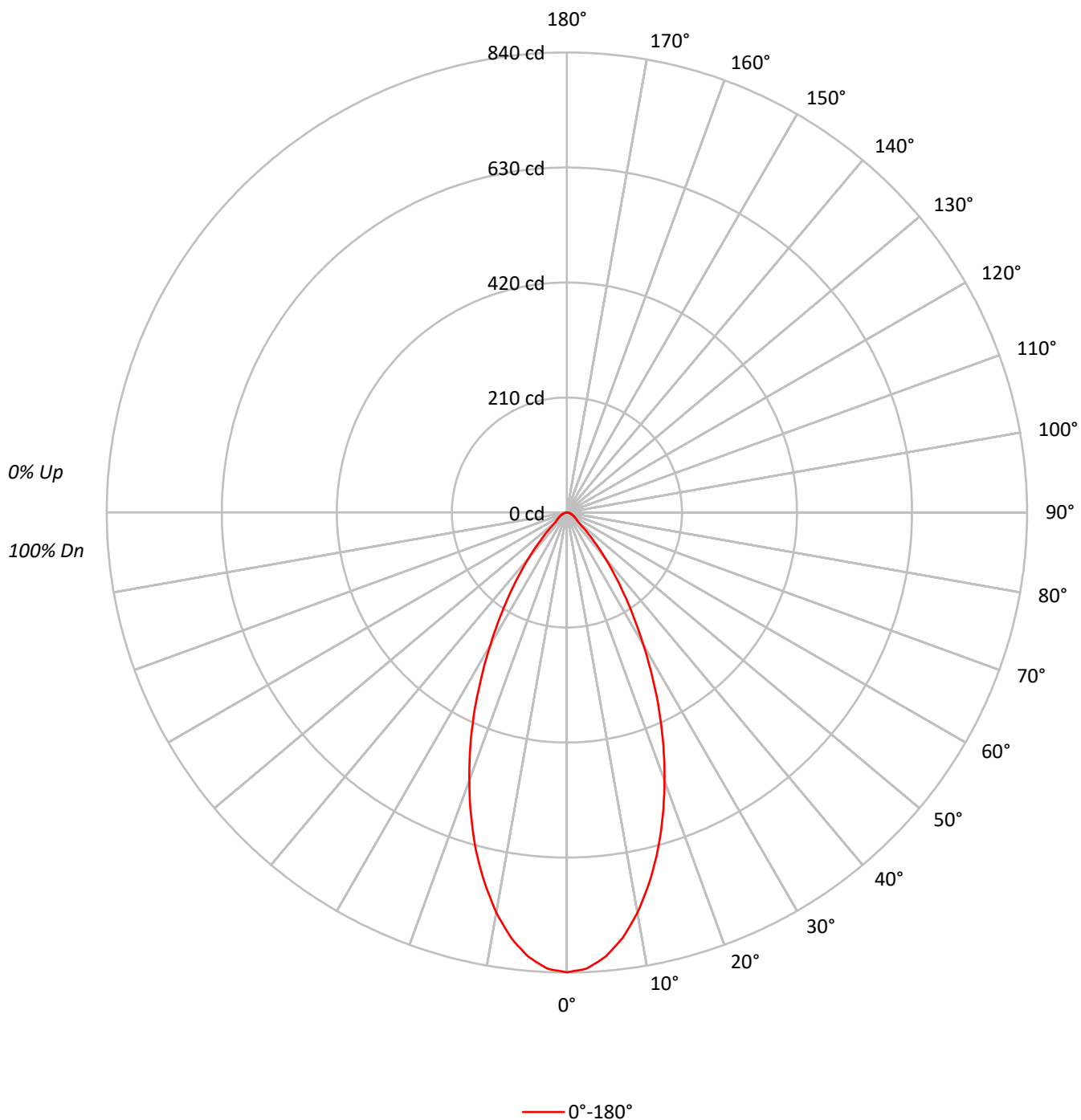
Lumens per Lamp: N/A
Luminaire Lumens: 633.0 lumens
Efficiency: N/A
Efficacy: 43.4 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1247020

CATALOG NUMBER: P3A13R509024DE010 E3DLP1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1247020

CATALOG NUMBER: P3A13R509024DE010 E3DLP1WMH

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	113	110	107	105	111	108	106	103	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	95	89	85	99	93	88	85	91	87	83		88	85	82		86
4	96	88	82	78	94	87	82	78	85	80	77		83	79	76		81
5	91	83	76	72	90	82	76	72	80	75	71		78	74	70		77
6	87	77	71	67	85	77	71	67	75	70	66		74	69	66		72
7	82	73	67	62	81	72	66	62	71	66	62		70	65	61		68
8	78	69	63	58	77	68	62	58	67	62	58		66	61	58		65
9	75	65	59	55	74	64	59	55	63	58	55		63	58	54		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	184108
5°	179154
10°	165194
15°	145290
20°	121554
25°	96393
30°	70720
35°	48613
40°	30886
45°	17273
50°	9347
55°	7875
60°	6754
65°	6226
70°	5514
75°	5083
80°	4293
85°	4277

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 17273 cd/sqm

TEST NUMBER: P1247020

CATALOG NUMBER: P3A13R509024DE010 E3DLP1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.4	11.9
10°-20°	177.2	28.0
20°-30°	181.3	28.6
30°-40°	114.9	18.2
40°-50°	45.7	7.2
50°-60°	18.5	2.9
60°-70°	11.9	1.9
70°-80°	6.1	1.0
80°-90°	1.9	0.3
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°	433.9	68.5
0°-40°	548.9	86.7
0°-60°	613.2	96.9
0°-90°	633.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	633.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	840	
5°	814	75
15°	640	177
25°	398	181
35°	182	115
45°	56	46
55°	21	19
65°	12	12
75°	6	6
85°	2	2
90°	0	

TEST NUMBER: P1247020

CATALOG NUMBER: P3A13R509024DE010 E3DLP1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	839.6
2.5°	833.6
5°	813.9
7.5°	783.0
10°	741.9
12.5°	693.1
15°	640.0
17.5°	581.7
20°	520.9
22.5°	460.1
25°	398.4
27.5°	336.7
30°	279.3
32.5°	227.9
35°	181.6
37.5°	142.2
40°	107.9
42.5°	79.7
45°	55.7
47.5°	37.7
50°	27.4
52.5°	23.1
55°	20.6
57.5°	18.0
60°	15.4
62.5°	13.7
65°	12.0
67.5°	10.3
70°	8.6
72.5°	6.9
75°	6.0
77.5°	4.3
80°	3.4
82.5°	2.6
85°	1.7
87.5°	0.9
90°	0.0

(END OF REPORT)