

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: P1269931

Luminaire Tested: P3A13R509740DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1269931
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R509740DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 97CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

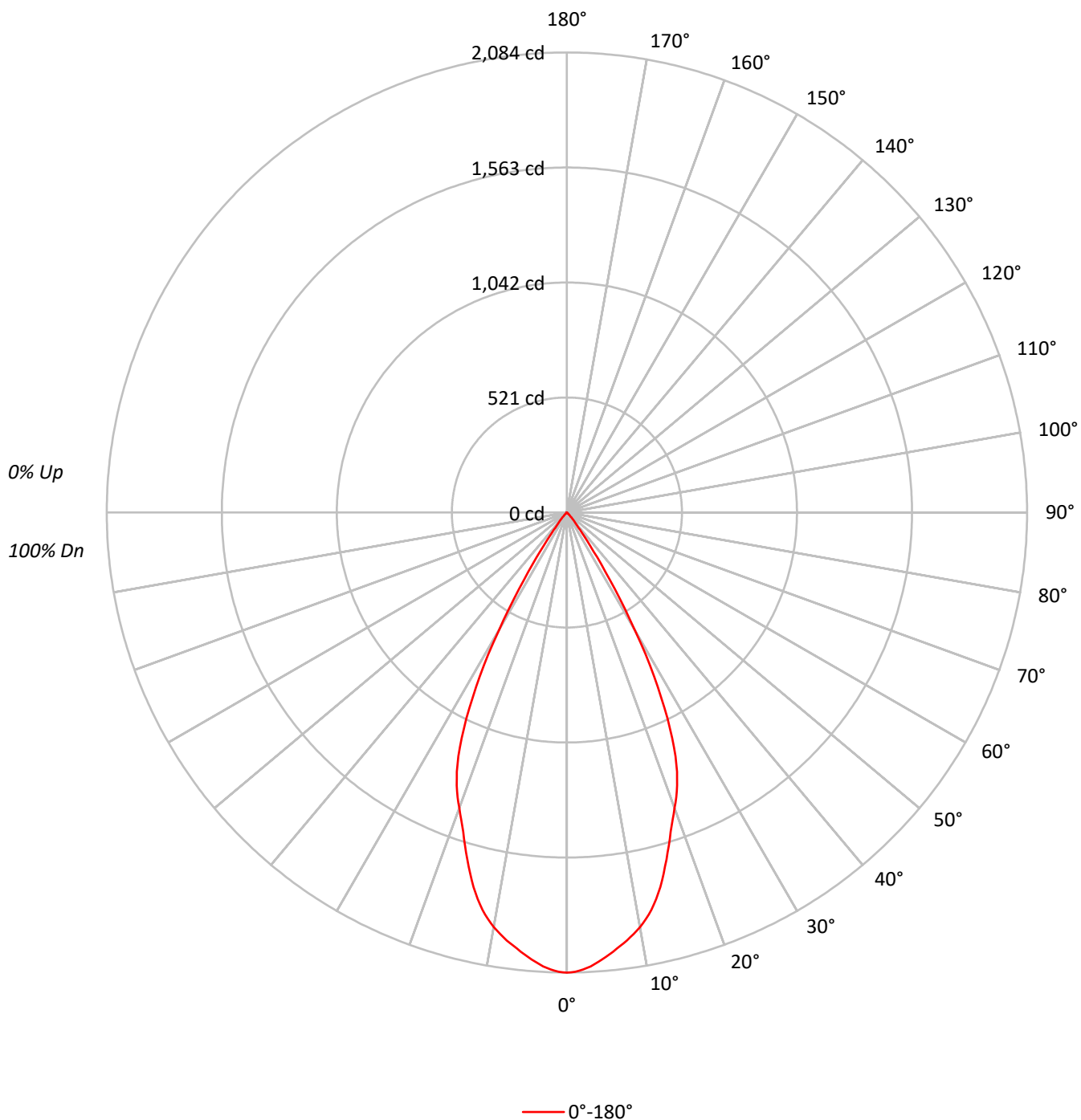
Lumens per Lamp: N/A
Luminaire Lumens: 1308.0 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1269931

CATALOG NUMBER: P3A13R509740DE010 E3D1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1269931

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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	114	112	109	107	112	110	108	106	105	104	102		102	101	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91
4	100	94	89	85	99	92	88	85	90	87	84		88	85	83		87
5	96	89	84	80	94	88	83	79	86	82	79		84	81	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	70		77	73	70		76
8	84	76	71	67	83	76	71	67	75	70	67		74	69	66		73
9	81	73	67	64	80	72	67	64	71	67	63		70	66	63		70
10	78	69	64	61	77	69	64	61	68	64	60		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	457091
5°	444925
10°	424575
15°	384384
20°	332552
25°	272774
30°	156682
35°	48666
40°	13082
45°	4590
50°	1092
55°	344
60°	219
65°	259
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4590 cd/sqm

TEST NUMBER: P1269931

CATALOG NUMBER: P3A13R509740DE010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.3	14.5
10°-20°	469.1	35.9
20°-30°	493.1	37.7
30°-40°	141.1	10.8
40°-50°	13.8	1.1
50°-60°	1.1	0.1
60°-70°	0.4	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1151.6	88.0
0°-40°	1292.7	98.8
0°-60°	1307.6	100.0
0°-90°	1308.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1308.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2084	
5°	2021	189
15°	1693	469
25°	1127	493
35°	182	141
45°	15	14
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1269931

CATALOG NUMBER: P3A13R509740DE010 E3D1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	2084.5
1°	2081.3
2°	2072.1
3°	2058.7
4°	2040.7
5°	2021.3
6°	2000.5
7°	1978.4
8°	1957.6
9°	1933.6
10°	1906.8
11°	1875.9
12°	1840.4
13°	1796.1
14°	1748.1
15°	1693.2
16°	1635.0
17°	1578.7
18°	1521.0
19°	1470.3
20°	1425.1
21°	1381.7
22°	1332.3
23°	1275.5
24°	1209.1
25°	1127.4
26°	1038.8
27°	940.0
28°	841.7
29°	735.6
30°	618.8
31°	509.5
32°	408.9
32.5°	365.0
33°	320.7
34°	246.0
35°	181.8
36°	133.4
37°	99.2
37.5°	85.8
38°	74.3
39°	57.7
40°	45.7
42.5°	25.8
45°	14.8



TEST NUMBER: P1269931

CATALOG NUMBER: P3A13R509740DE010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	8.3
50°	3.2
52.5°	1.4
55°	0.9
57.5°	0.9
60°	0.5
62.5°	0.5
65°	0.5
67.5°	0.5
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)