

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: P1269937

Luminaire Tested: P3A13R509740DE010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1269937
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R509740DE010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 97CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

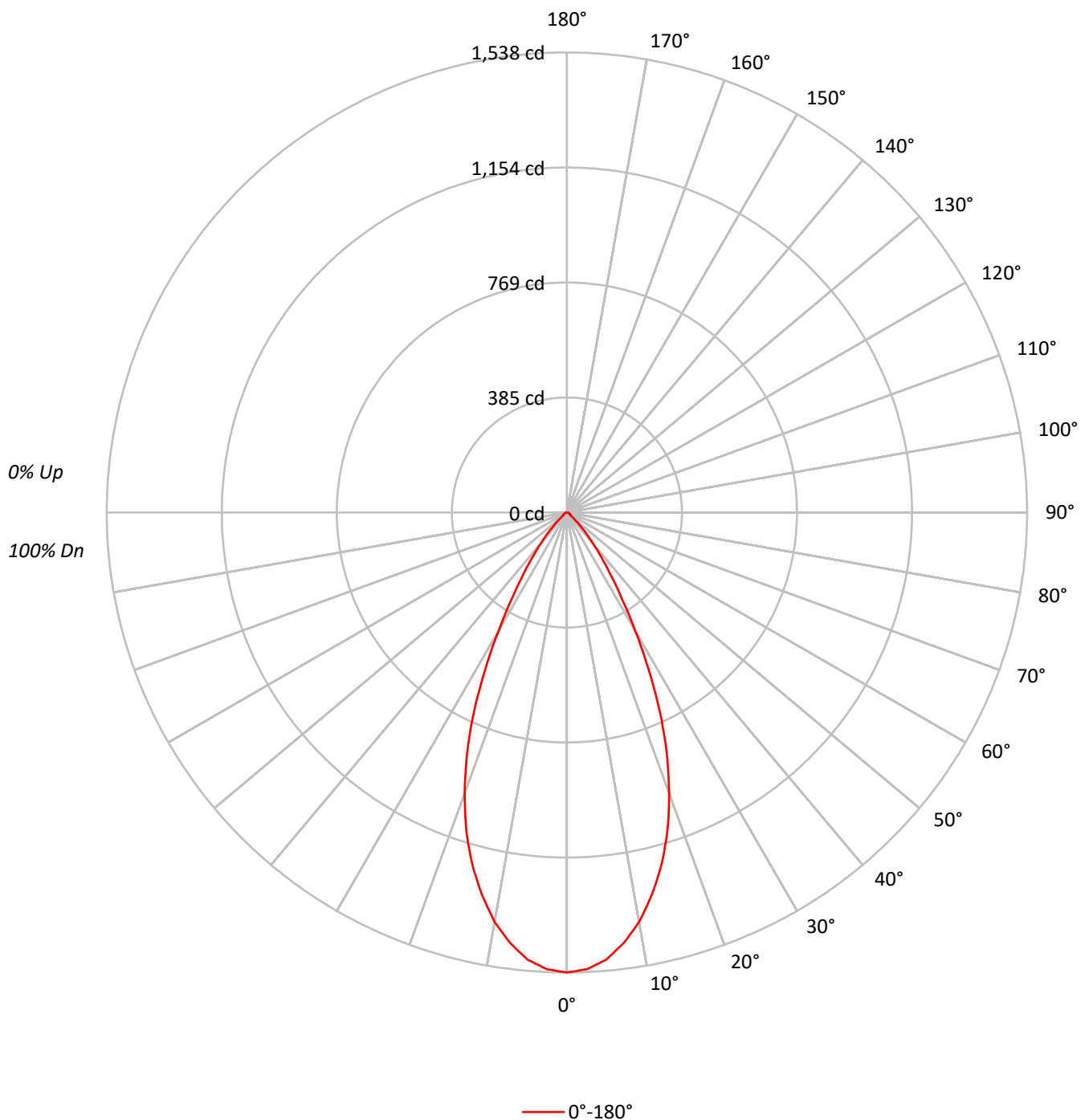
Lumens per Lamp: N/A
Luminaire Lumens: 1059.0 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1269937

CATALOG NUMBER: P3A13R509740DE010 E3DL1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1269937

CATALOG NUMBER: P3A13R509740DE010 E3DL1WMH

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	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84
5	93	85	80	75	92	84	79	75	83	78	74		81	77	74		79
6	89	80	75	71	88	80	74	70	78	73	70		77	73	69		75
7	85	76	70	66	84	75	70	66	74	69	66		73	69	65		72
8	81	72	66	62	80	71	66	62	70	65	62		69	65	62		68
9	78	68	63	59	76	68	62	59	67	62	59		66	62	58		65
10	74	65	59	56	73	65	59	56	64	59	55		63	58	55		62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	337166
5°	330376
10°	309458
15°	277028
20°	233120
25°	177930
30°	115638
35°	68556
40°	39617
45°	19847
50°	7403
55°	5773
60°	5350
65°	4877
70°	4809
75°	4745
80°	4799
85°	4780

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19847 cd/sqm

TEST NUMBER: P1269937

CATALOG NUMBER: P3A13R509740DE010 E3DL1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.6	13.2
10°-20°	337.5	31.9
20°-30°	331.1	31.3
30°-40°	166.8	15.8
40°-50°	52.7	5.0
50°-60°	13.7	1.3
60°-70°	9.7	0.9
70°-80°	5.9	0.6
80°-90°	2.0	0.2
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°	808.2	76.3
0°-40°	975.0	92.1
0°-60°	1041.3	98.3
0°-90°	1059.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1059.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1538	
5°	1501	140
15°	1220	337
25°	735	331
35°	256	167
45°	64	53
55°	15	14
65°	9	10
75°	6	6
85°	2	2
90°	0	

TEST NUMBER: P1269937

CATALOG NUMBER: P3A13R509740DE010 E3DL1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1537.6
2.5°	1528.2
5°	1500.9
7.5°	1451.9
10°	1389.8
12.5°	1309.7
15°	1220.3
17.5°	1116.7
20°	999.0
22.5°	871.9
25°	735.4
27.5°	590.4
30°	456.7
32.5°	343.7
35°	256.1
37.5°	189.3
40°	138.4
42.5°	97.9
45°	64.0
47.5°	36.7
50°	21.7
52.5°	16.0
55°	15.1
57.5°	13.2
60°	12.2
62.5°	11.3
65°	9.4
67.5°	8.5
70°	7.5
72.5°	6.6
75°	5.6
77.5°	4.7
80°	3.8
82.5°	2.8
85°	1.9
87.5°	0.9
90°	0.0

(END OF REPORT)