

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: P1246814

Luminaire Tested: P3A13R159024DE010 E3DLP1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246814
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R159024DE010 E3DLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3DLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

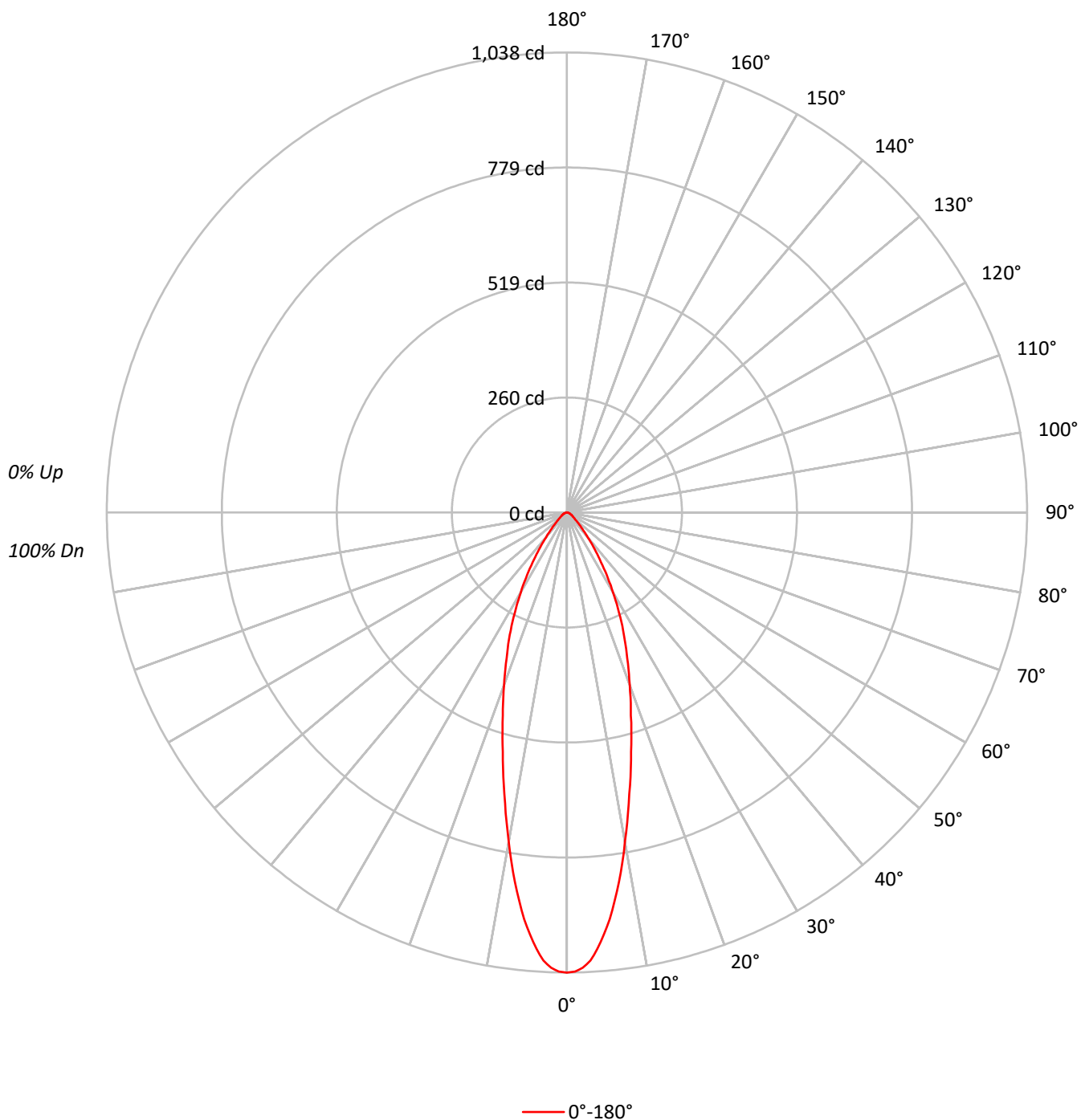
Lumens per Lamp: N/A
Luminaire Lumens: 528.0 lumens
Efficiency: N/A
Efficacy: 36.2 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.61
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1246814

CATALOG NUMBER: P3A13R159024DE010 E3DLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1246814

CATALOG NUMBER: P3A13R159024DE010 E3DLP1MW

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	108	106	111	108	106	104	104	102	101		100	99	98		97
2	108	103	98	95	105	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	90	84	80	95	88	83	79	86	82	78		84	81	78		82
5	93	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	87	79	73	69	77	72	69		76	71	68		74
7	84	75	69	65	83	74	69	65	73	68	64		72	67	64		71
8	80	71	65	61	79	71	65	61	69	64	61		68	64	61		67
9	77	68	62	58	76	67	62	58	66	61	58		65	61	57		64
10	74	64	59	55	73	64	59	55	63	58	55		62	58	55		62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	227679
5°	210433
10°	168000
15°	126902
20°	96632
25°	73649
30°	52768
35°	34425
40°	21097
45°	12777
50°	8494
55°	6537
60°	5657
65°	4877
70°	4424
75°	4321
80°	3283
85°	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12777 cd/sqm

TEST NUMBER: P1246814

CATALOG NUMBER: P3A13R159024DE010 E3DLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.7	16.0
10°-20°	156.3	29.6
20°-30°	139.1	26.3
30°-40°	82.3	15.6
40°-50°	33.8	6.4
50°-60°	15.9	3.0
60°-70°	9.6	1.8
70°-80°	5.1	1.0
80°-90°	1.3	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°	380.1	72.0
0°-40°	462.4	87.6
0°-60°	512.0	97.0
0°-90°	528.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	528.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1038	
5°	956	85
15°	559	156
25°	304	139
35°	129	82
45°	41	34
55°	17	16
65°	9	10
75°	5	5
85°	1	1
90°	0	

TEST NUMBER: P1246814

CATALOG NUMBER: P3A13R159024DE010 E3DLP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1038.3
1°	1035.8
2°	1028.0
3°	1012.6
4°	986.9
5°	956.0
6°	922.6
7°	883.1
8°	842.0
9°	800.0
10°	754.5
12.5°	650.8
15°	559.0
17.5°	480.2
20°	414.1
22.5°	355.8
25°	304.4
27.5°	254.7
30°	208.4
32.5°	166.3
35°	128.6
37.5°	98.6
40°	73.7
42.5°	54.9
45°	41.2
47.5°	31.7
50°	24.9
52.5°	20.6
55°	17.1
57.5°	14.6
60°	12.9
62.5°	11.1
65°	9.4
67.5°	8.6
70°	6.9
72.5°	6.0
75°	5.1
77.5°	3.4
80°	2.6
82.5°	1.7
85°	0.9
87.5°	0.9
90°	0.0

(END OF REPORT)