

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: P1246015

Luminaire Tested: P3A05R159024DE010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246015
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R159024DE010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

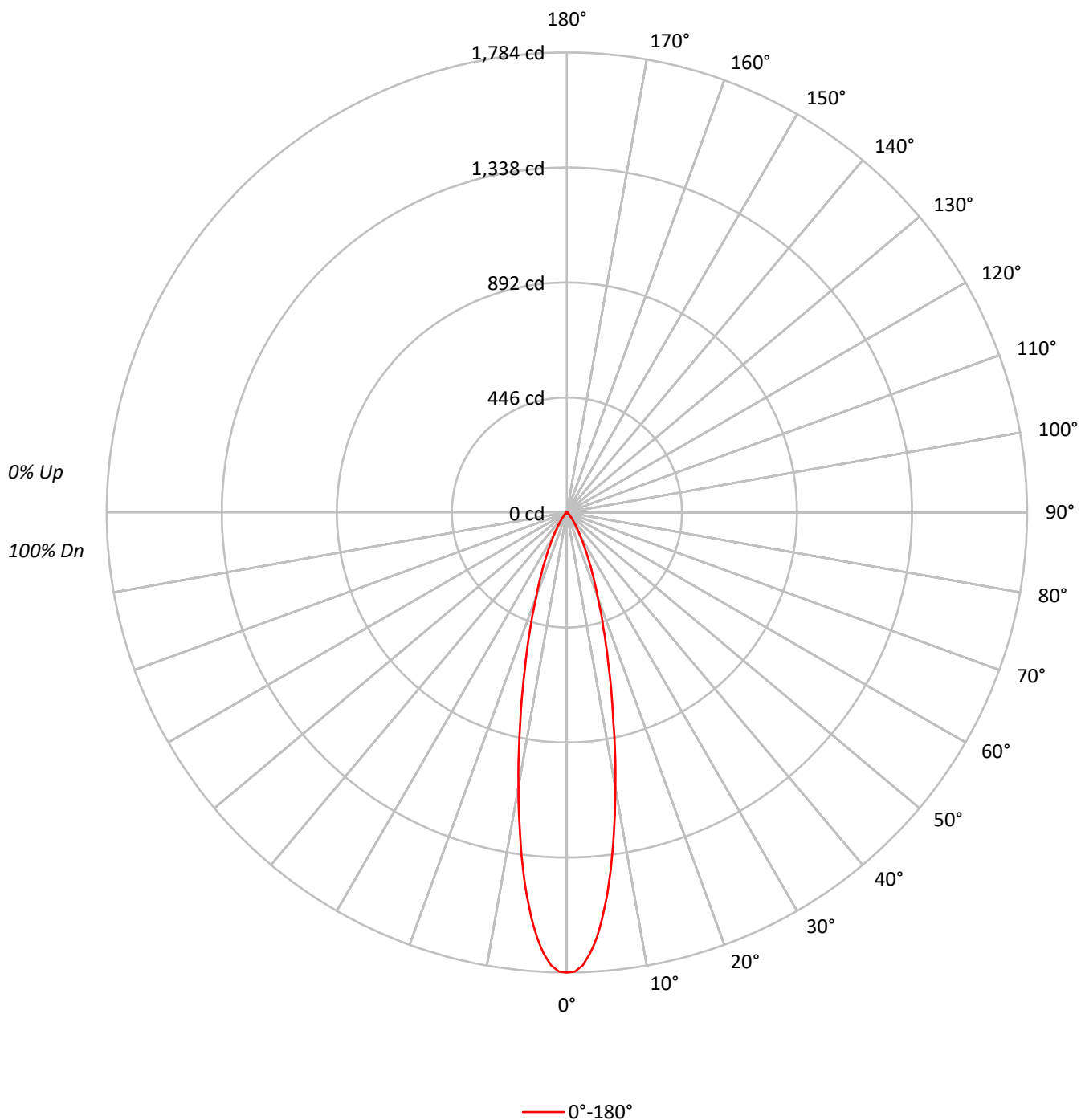
Lumens per Lamp: N/A
Luminaire Lumens: 458.0 lumens
Efficiency: N/A
Efficacy: 63.6 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.43
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1246015

CATALOG NUMBER: P3A05R159024DE010 E3DL1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1246015

CATALOG NUMBER: P3A05R159024DE010 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	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	103	100	108	104	101	99	101	99	97		98	96	95		96
3	106	101	97	93	104	99	96	93	97	94	91		94	92	90		92
4	102	96	92	88	100	95	91	88	93	89	87		91	88	86		89
5	98	92	87	84	97	91	87	83	89	85	83		88	84	82		86
6	95	88	83	80	94	87	83	80	86	82	79		85	81	79		83
7	92	85	80	77	91	84	80	76	83	79	76		82	78	76		81
8	89	81	77	74	88	81	77	73	80	76	73		79	75	73		78
9	86	79	74	71	85	78	74	71	77	73	71		77	73	70		76
10	84	76	71	68	83	76	71	68	75	71	68		74	71	68		74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	391263
5°	347303
10°	241189
15°	142634
20°	81230
25°	46430
30°	25700
35°	13706
40°	7586
45°	4093
50°	2559
55°	2026
60°	1754
65°	1608
70°	1410
75°	1525
80°	1137
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 4093 cd/sqm

TEST NUMBER: P1246015

CATALOG NUMBER: P3A05R159024DE010 E3DL1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.2	29.3
10°-20°	177.1	38.7
20°-30°	91.2	19.9
30°-40°	34.2	7.5
40°-50°	11.2	2.4
50°-60°	4.8	1.1
60°-70°	3.0	0.7
70°-80°	1.8	0.4
80°-90°	0.5	0.1
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°	402.4	87.9
0°-40°	436.6	95.3
0°-60°	452.7	98.8
0°-90°	458.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	458.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1784	
5°	1578	134
15°	628	177
25°	192	91
35°	51	34
45°	13	11
55°	5	5
65°	3	3
75°	2	2
85°	0	0
90°	0	

TEST NUMBER: P1246015

CATALOG NUMBER: P3A05R159024DE010 E3DL1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1784.3
1°	1780.7
2°	1757.3
3°	1712.8
4°	1654.1
5°	1577.8
6°	1491.3
7°	1396.4
8°	1291.0
9°	1186.9
10°	1083.2
12.5°	833.4
15°	628.3
17.5°	470.3
20°	348.1
22.5°	259.9
25°	191.9
27.5°	139.9
30°	101.5
32.5°	71.9
35°	51.2
37.5°	36.6
40°	26.5
42.5°	19.0
45°	13.2
47.5°	9.7
50°	7.5
52.5°	6.2
55°	5.3
57.5°	4.4
60°	4.0
62.5°	3.5
65°	3.1
67.5°	2.6
70°	2.2
72.5°	2.2
75°	1.8
77.5°	1.3
80°	0.9
82.5°	0.9
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)