

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: P1269158

Luminaire Tested: P3A05R509740DE010 E3DLP1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1269158
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: P3A05R509740DE010 E3DLP1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 97CRI , E3DLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

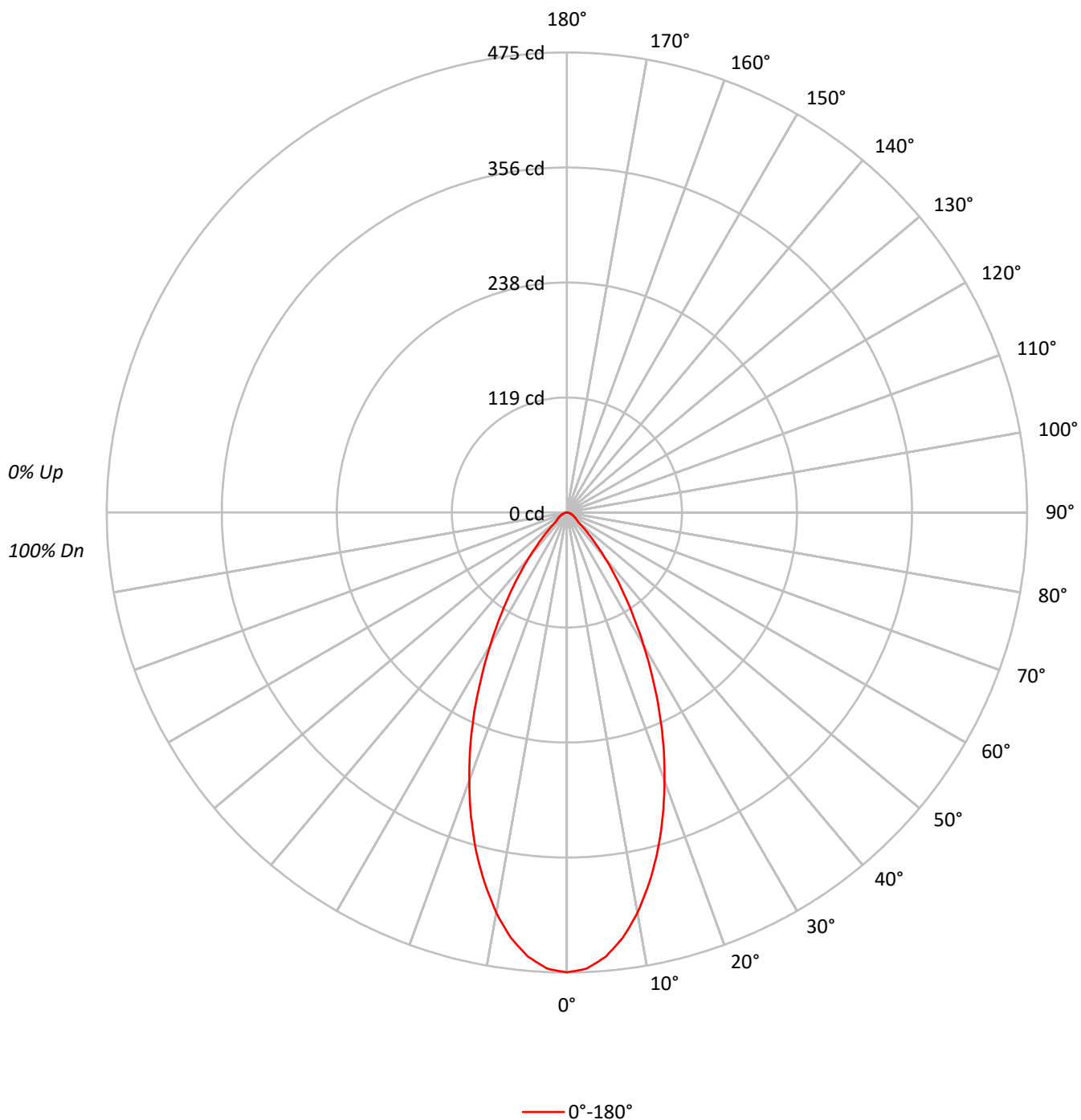
Lumens per Lamp: N/A
Luminaire Lumens: 358.0 lumens
Efficiency: N/A
Efficacy: 49.7 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1269158

CATALOG NUMBER: P3A05R509740DE010 E3DLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1269158

CATALOG NUMBER: P3A05R509740DE010 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	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°	104114
5°	101320
10°	93430
15°	82157
20°	68746
25°	54511
30°	40006
35°	27492
40°	17490
45°	9768
50°	5288
55°	4435
60°	3815
65°	3528
70°	3077
75°	2881
80°	2399
85°	2516

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9768 cd/sqm

TEST NUMBER: P1269158

CATALOG NUMBER: P3A05R509740DE010 E3DLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.6	11.9
10°-20°	100.2	28.0
20°-30°	102.5	28.6
30°-40°	65.0	18.2
40°-50°	25.9	7.2
50°-60°	10.5	2.9
60°-70°	6.7	1.9
70°-80°	3.4	1.0
80°-90°	1.1	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°	245.4	68.5
0°-40°	310.4	86.7
0°-60°	346.8	96.9
0°-90°	358.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	358.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	475	
5°	460	43
15°	362	100
25°	225	103
35°	103	65
45°	32	26
55°	12	10
65°	7	7
75°	3	3
85°	1	1
90°	0	

TEST NUMBER: P1269158

CATALOG NUMBER: P3A05R509740DE010 E3DLP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	474.8
2.5°	471.4
5°	460.3
7.5°	442.9
10°	419.6
12.5°	392.0
15°	361.9
17.5°	329.0
20°	294.6
22.5°	260.2
25°	225.3
27.5°	190.4
30°	158.0
32.5°	128.9
35°	102.7
37.5°	80.4
40°	61.1
42.5°	45.1
45°	31.5
47.5°	21.3
50°	15.5
52.5°	13.1
55°	11.6
57.5°	10.2
60°	8.7
62.5°	7.8
65°	6.8
67.5°	5.8
70°	4.8
72.5°	3.9
75°	3.4
77.5°	2.4
80°	1.9
82.5°	1.5
85°	1.0
87.5°	0.5
90°	0.0

(END OF REPORT)