

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: P1273453

Luminaire Tested: P3A05R509830DE010 E3DLD1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1273453
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R509830DE010 E3DLD1WMH
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 98CRI , E3DLD1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

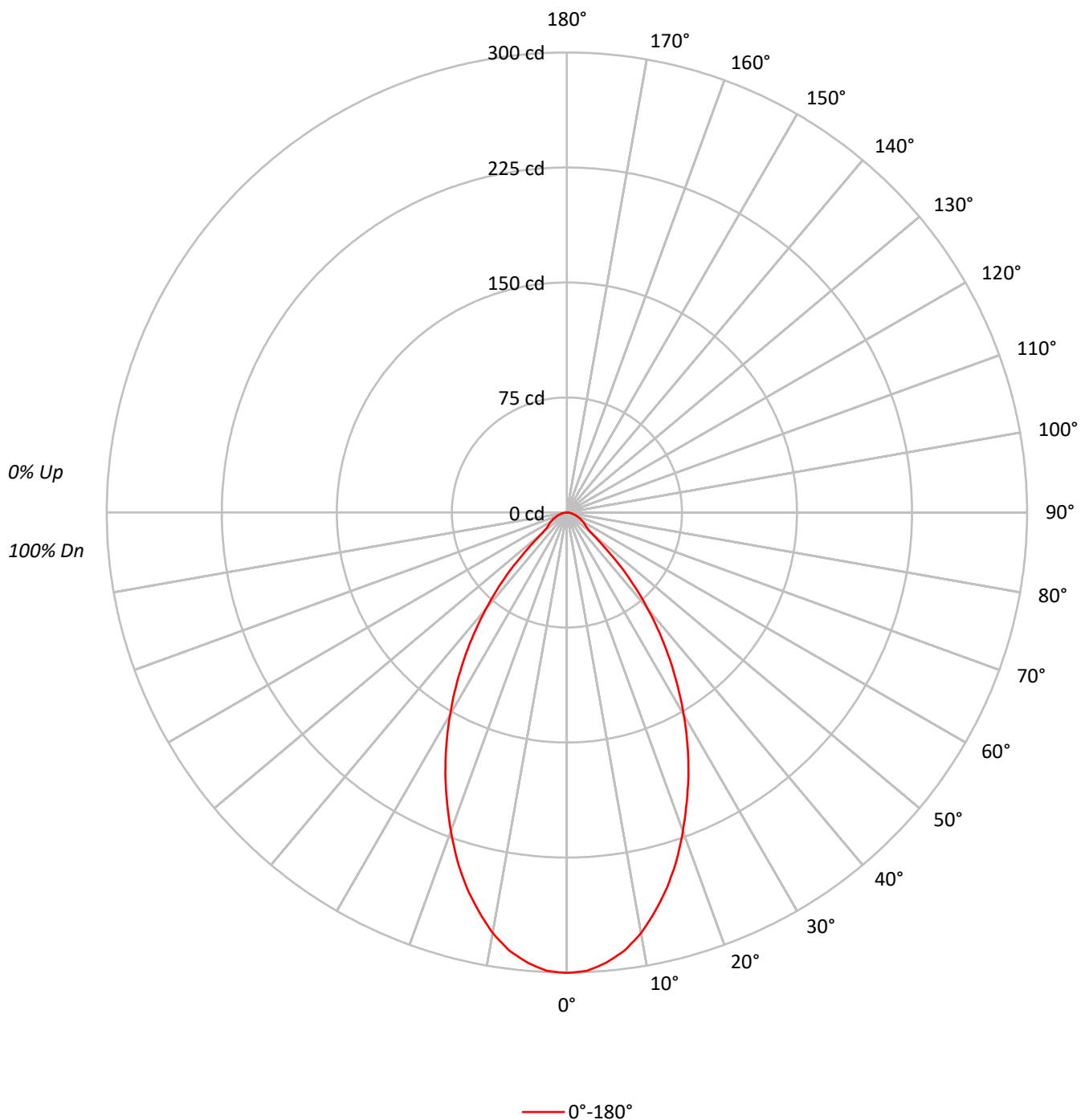
Lumens per Lamp: N/A
Luminaire Lumens: 324.0 lumens
Efficiency: N/A
Efficacy: 45.0 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1273453

CATALOG NUMBER: P3A05R509830DE010 E3DLD1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1273453

CATALOG NUMBER: P3A05R509830DE010 E3DLD1WMH

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	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	85	78	73	91	83	77	73	81	76	72		79	75	71		77
5	88	78	72	67	86	77	71	66	75	70	66		74	69	65		72
6	83	73	66	61	81	72	65	61	70	65	60		69	64	60		67
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63
8	74	63	57	52	73	63	56	52	61	56	52		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	52	48		56
10	66	56	49	45	65	55	49	45	54	49	45		54	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	65850
5°	64869
10°	62012
15°	57412
20°	51594
25°	45366
30°	38588
35°	31293
40°	23501
45°	15133
50°	7198
55°	5658
60°	5350
65°	4981
70°	4488
75°	4067
80°	3788
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15133 cd/sqm

TEST NUMBER: P1273453

CATALOG NUMBER: P3A05R509830DE010 E3DLD1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.6	8.5
10°-20°	70.5	21.8
20°-30°	85.7	26.4
30°-40°	72.7	22.4
40°-50°	37.7	11.7
50°-60°	13.6	4.2
60°-70°	9.4	2.9
70°-80°	5.1	1.6
80°-90°	1.6	0.5
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°	183.8	56.7
0°-40°	256.5	79.2
0°-60°	307.9	95.0
0°-90°	324.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	324.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	300	
5°	295	28
15°	253	71
25°	188	86
35°	117	73
45°	49	38
55°	15	14
65°	10	9
75°	5	5
85°	2	2
90°	0	

TEST NUMBER: P1273453

CATALOG NUMBER: P3A05R509830DE010 E3DLD1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	300.3
2.5°	299.2
5°	294.7
7.5°	288.1
10°	278.5
12.5°	266.2
15°	252.9
17.5°	237.8
20°	221.1
22.5°	204.1
25°	187.5
27.5°	170.1
30°	152.4
32.5°	134.6
35°	116.9
37.5°	99.5
40°	82.1
42.5°	65.5
45°	48.8
47.5°	32.5
50°	21.1
52.5°	16.3
55°	14.8
57.5°	13.3
60°	12.2
62.5°	10.7
65°	9.6
67.5°	8.1
70°	7.0
72.5°	5.9
75°	4.8
77.5°	3.7
80°	3.0
82.5°	2.2
85°	1.5
87.5°	0.7
90°	0.0

(END OF REPORT)