

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: P1273442

Luminaire Tested: P3A05R509830DE010 E3DL1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1273442
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: P3A05R509830DE010 E3DL1GPH
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 98CRI , E3DL1GPH TRIM
Light Source: -
Ballast/Driver: -

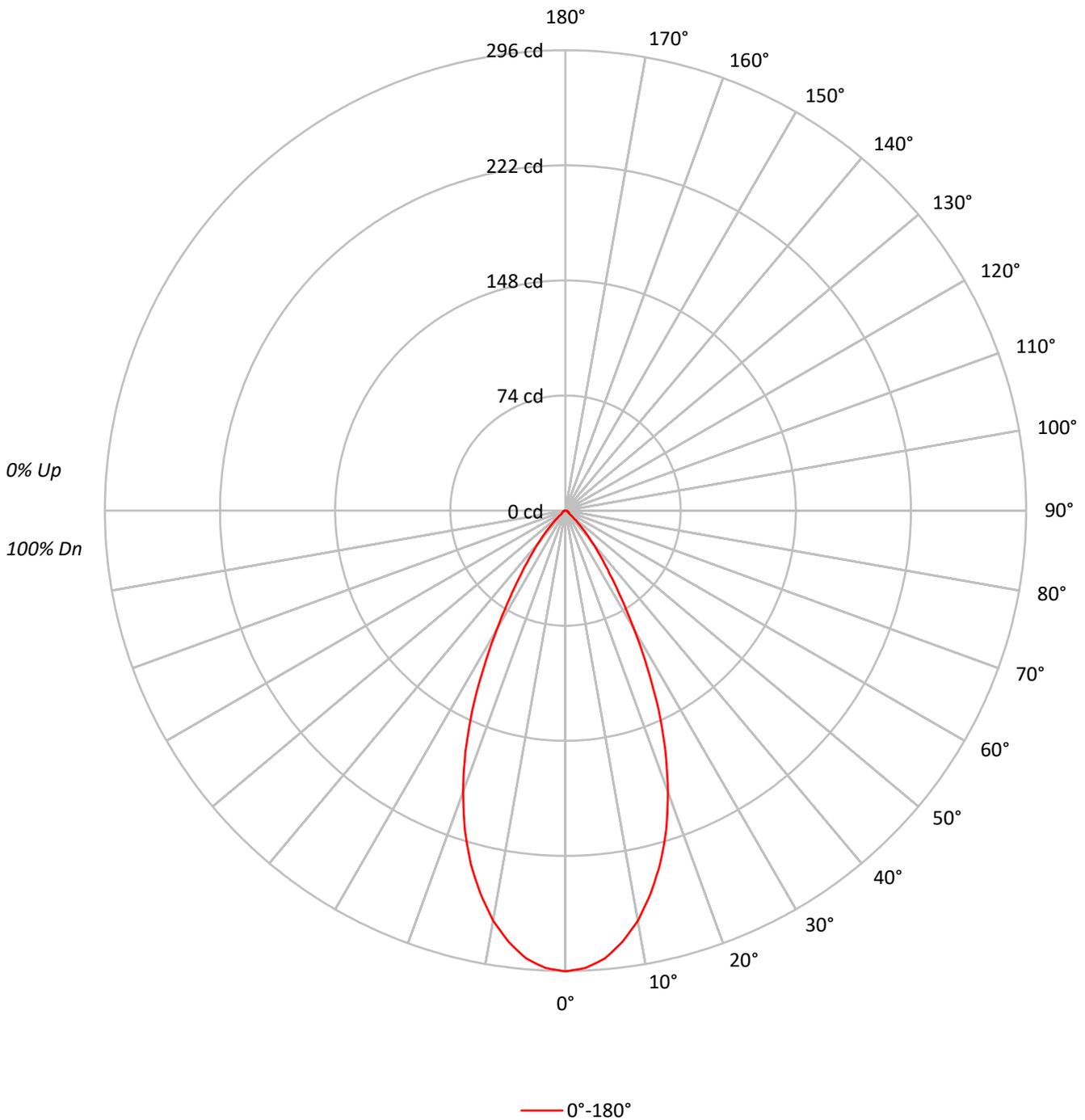
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 204.0 lumens
Efficiency: N/A
Efficacy: 28.3 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): 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: P1273442
CATALOG NUMBER: P3A05R509830DE010 E3DL1GPH

Luminous Intensity Polar Plot





TEST NUMBER: P1273442
 CATALOG NUMBER: P3A05R509830DE010 E3DL1GPH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20	
RC	80				70				50				30				10				0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94				94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87				87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82				82
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	80	78	76				76
5	93	85	80	75	92	84	79	75	83	78	74	81	77	74	79	76	73	72				72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	75	72	69	67				67
7	85	76	70	66	84	75	70	66	74	69	66	73	69	65	72	68	65	64				64
8	81	72	66	62	80	71	66	62	70	65	62	69	65	62	68	64	61	60				60
9	78	68	63	59	76	68	62	59	67	62	59	66	62	58	65	61	58	57				57
10	74	65	59	56	73	65	59	56	64	59	55	63	58	55	62	58	55	54				54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	64951
5°	63636
10°	59607
15°	53371
20°	44897
25°	34284
30°	22282
35°	13197
40°	7643
45°	3814
50°	1433
55°	1109
60°	1053
65°	934
70°	962
75°	932
80°	884
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3814 cd/sqm



TEST NUMBER: P1273442
 CATALOG NUMBER: P3A05R509830DE010 E3DL1GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.9	13.2
10°-20°	65.0	31.9
20°-30°	63.8	31.3
30°-40°	32.1	15.7
40°-50°	10.2	5.0
50°-60°	2.6	1.3
60°-70°	1.9	0.9
70°-80°	1.2	0.6
80°-90°	0.4	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°	155.7	76.3
0°-40°	187.8	92.1
0°-60°	200.6	98.3
0°-90°	204.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	204.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	296	
5°	289	27
15°	235	65
25°	142	64
35°	49	32
45°	12	10
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P1273442
CATALOG NUMBER: P3A05R509830DE010 E3DL1GPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	296.2
2.5°	294.4
5°	289.1
7.5°	279.7
10°	267.7
12.5°	252.3
15°	235.1
17.5°	215.1
20°	192.4
22.5°	168.0
25°	141.7
27.5°	113.7
30°	88.0
32.5°	66.2
35°	49.3
37.5°	36.5
40°	26.7
42.5°	18.9
45°	12.3
47.5°	7.1
50°	4.2
52.5°	3.1
55°	2.9
57.5°	2.5
60°	2.4
62.5°	2.2
65°	1.8
67.5°	1.6
70°	1.5
72.5°	1.3
75°	1.1
77.5°	0.9
80°	0.7
82.5°	0.5
85°	0.4
87.5°	0.2
90°	0.0

(END OF REPORT)