

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: P1289874

Luminaire Tested: P3A05R45W2N902765DE010 E3DL1MW_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1289874
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R45W2N902765DE010 E3DL1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 4000K CCT AND, 90CRI ,
E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

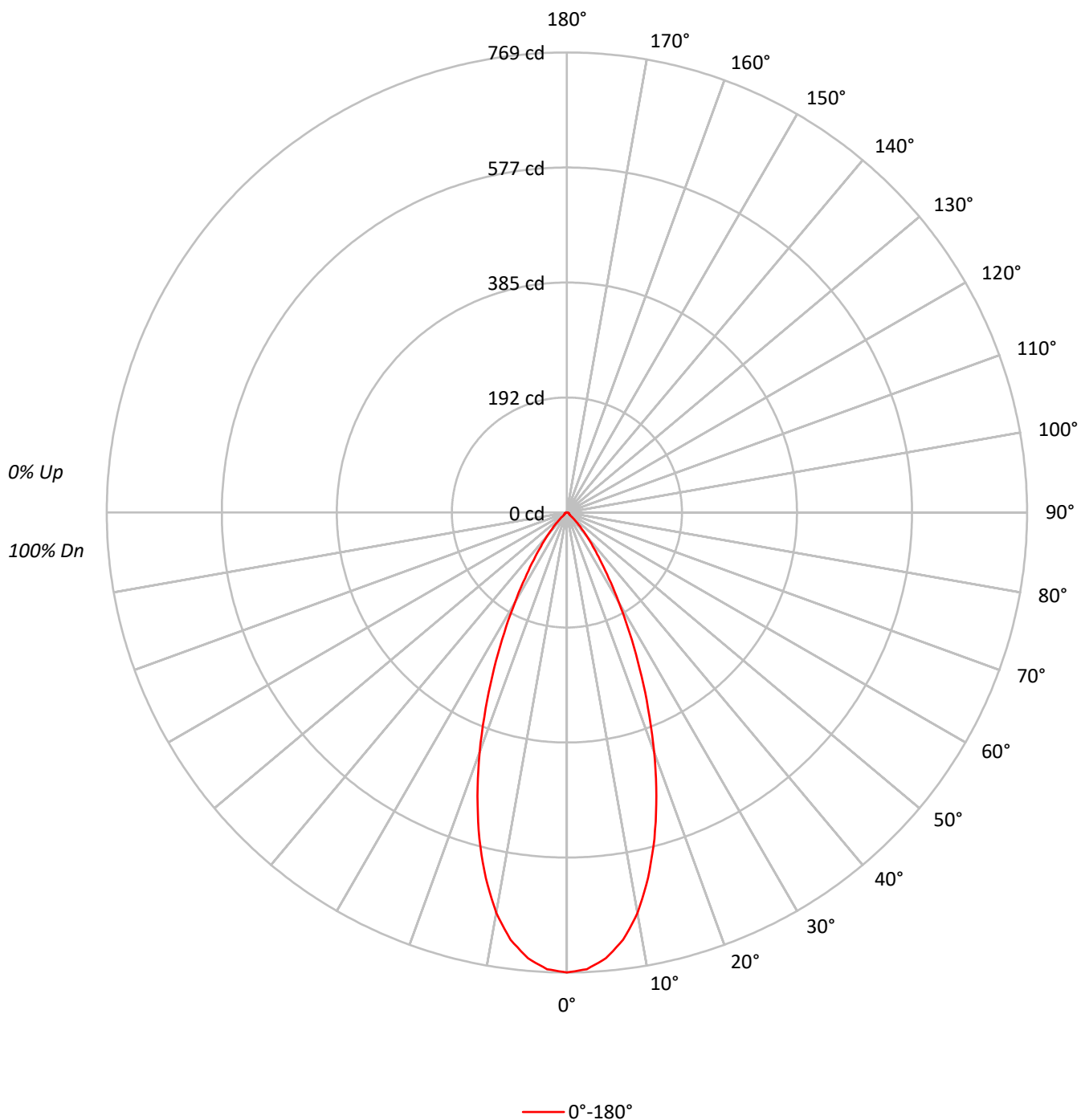
Lumens per Lamp: N/A
Luminaire Lumens: 449.0 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20				20				20				20
RC	80				70				50				30				10				0				0								0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	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	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	88
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	87	84	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74
6	90	82	77	73	89	81	76	72	80	75	72	78	74	71	77	74	71	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
7	86	78	72	68	85	77	72	68	76	71	68	75	71	67	74	70	67	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
8	83	74	68	65	82	73	68	65	72	68	64	71	67	64	70	67	64	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	62
9	79	70	65	61	78	70	65	61	69	64	61	68	64	61	67	63	61	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	59
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	168605
5°	164670
10°	151367
15°	128264
20°	99502
25°	69560
30°	43830
35°	25806
40°	14599
45°	7102
50°	2456
55°	1988
60°	1930
65°	1868
70°	1795
75°	1694
80°	1515
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7102 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.2	15.4
10°-20°	155.1	34.6
20°-30°	131.7	29.3
30°-40°	62.9	14.0
40°-50°	18.9	4.2
50°-60°	4.8	1.1
60°-70°	3.6	0.8
70°-80°	2.1	0.5
80°-90°	0.6	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°	356.1	79.3
0°-40°	419.0	93.3
0°-60°	442.7	98.6
0°-90°	449.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	449.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	769	
5°	748	69
15°	565	155
25°	288	132
35°	96	63
45°	23	19
55°	5	5
65°	4	4
75°	2	2
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	768.9
2.5°	764.1
5°	748.1
7.5°	720.4
10°	679.8
12.5°	626.0
15°	565.0
17.5°	497.1
20°	426.4
22.5°	354.6
25°	287.5
27.5°	226.5
30°	173.1
32.5°	130.1
35°	96.4
37.5°	71.1
40°	51.0
42.5°	35.3
45°	22.9
47.5°	12.8
50°	7.2
52.5°	5.6
55°	5.2
57.5°	4.8
60°	4.4
62.5°	4.0
65°	3.6
67.5°	3.2
70°	2.8
72.5°	2.4
75°	2.0
77.5°	1.6
80°	1.2
82.5°	0.8
85°	0.4
87.5°	0.4
90°	0.0

(END OF REPORT)