

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: P1293681

Luminaire Tested: P3A09R45W2N902765DE010 E3DL1WMH_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293681
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: P3A09R45W2N902765DE010 E3DL1WMH_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 4000K CCT AND, 90CRI ,
E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

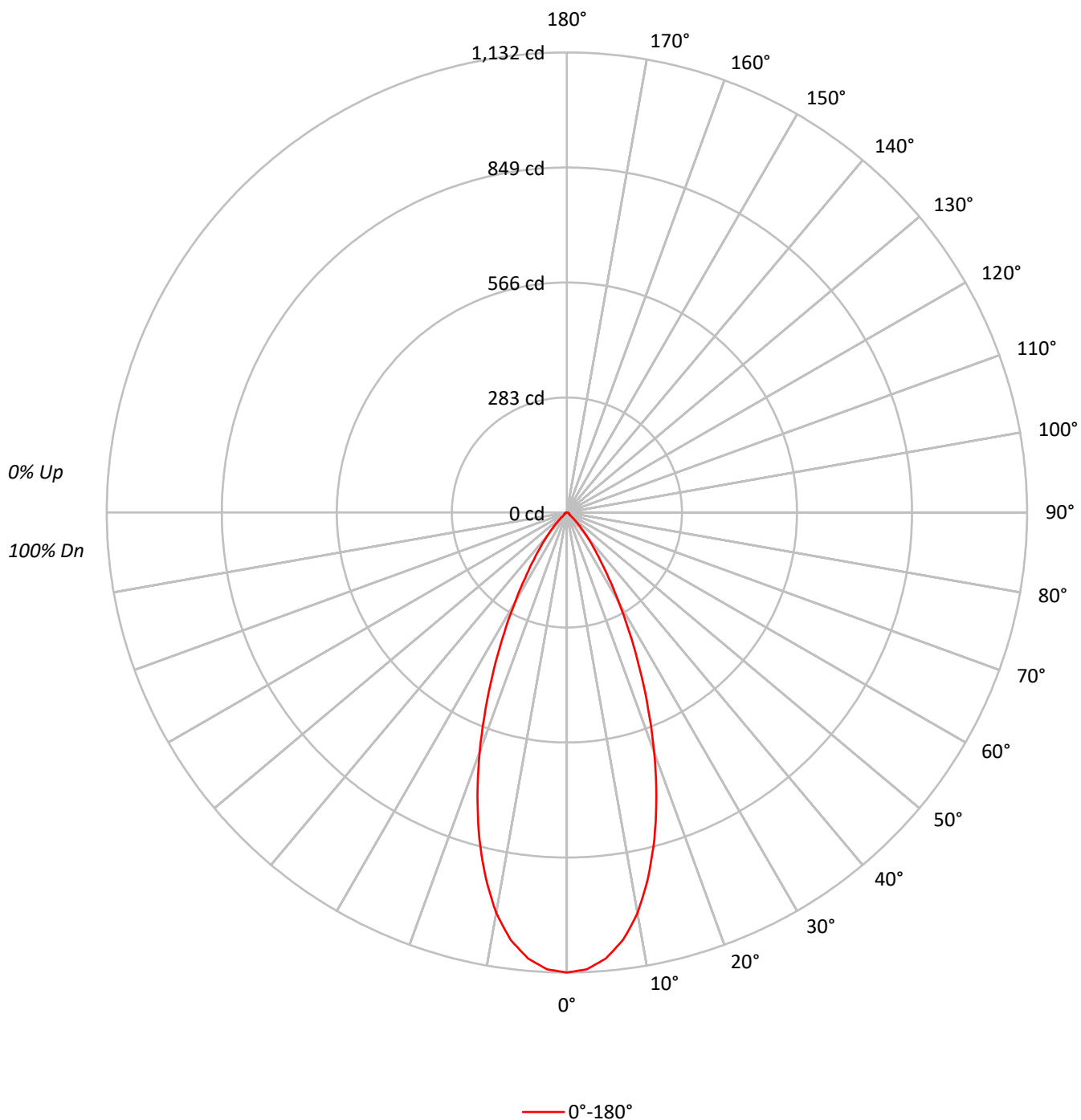
Lumens per Lamp: N/A
Luminaire Lumens: 661.0 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1293681

CATALOG NUMBER: P3A09R45W2N902765DE010 E3DL1WMH_4000K

Luminous Intensity Polar Plot



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	248226
5°	242416
10°	222842
15°	188809
20°	146499
25°	102393
30°	64516
35°	37986
40°	21497
45°	10451
50°	3616
55°	2944
60°	2851
65°	2750
70°	2629
75°	2542
80°	2273
85°	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 10451 cd/sqm

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CATALOG NUMBER: P3A09R45W2N902765DE010 E3DL1WMH_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.9	15.4
10°-20°	228.4	34.6
20°-30°	193.9	29.3
30°-40°	92.5	14.0
40°-50°	27.9	4.2
50°-60°	7.1	1.1
60°-70°	5.2	0.8
70°-80°	3.1	0.5
80°-90°	0.9	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°	524.3	79.3
0°-40°	616.8	93.3
0°-60°	651.7	98.6
0°-90°	661.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	661.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1132	
5°	1101	102
15°	832	228
25°	423	194
35°	142	93
45°	34	28
55°	8	7
65°	5	5
75°	3	3
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1132.0
2.5°	1124.9
5°	1101.3
7.5°	1060.5
10°	1000.8
12.5°	921.6
15°	831.7
17.5°	731.8
20°	627.8
22.5°	522.0
25°	423.2
27.5°	333.4
30°	254.8
32.5°	191.5
35°	141.9
37.5°	104.6
40°	75.1
42.5°	52.0
45°	33.7
47.5°	18.9
50°	10.6
52.5°	8.3
55°	7.7
57.5°	7.1
60°	6.5
62.5°	5.9
65°	5.3
67.5°	4.7
70°	4.1
72.5°	3.5
75°	3.0
77.5°	2.4
80°	1.8
82.5°	1.2
85°	0.6
87.5°	0.6
90°	0.0

(END OF REPORT)