

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: P1293657

Luminaire Tested: P3A09R45W2N902765DE010 E3DL1H_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293657
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 E3DL1H_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 4000K CCT AND, 90CRI ,
E3DL1H TRIM
Light Source: -
Ballast/Driver: -

Summary

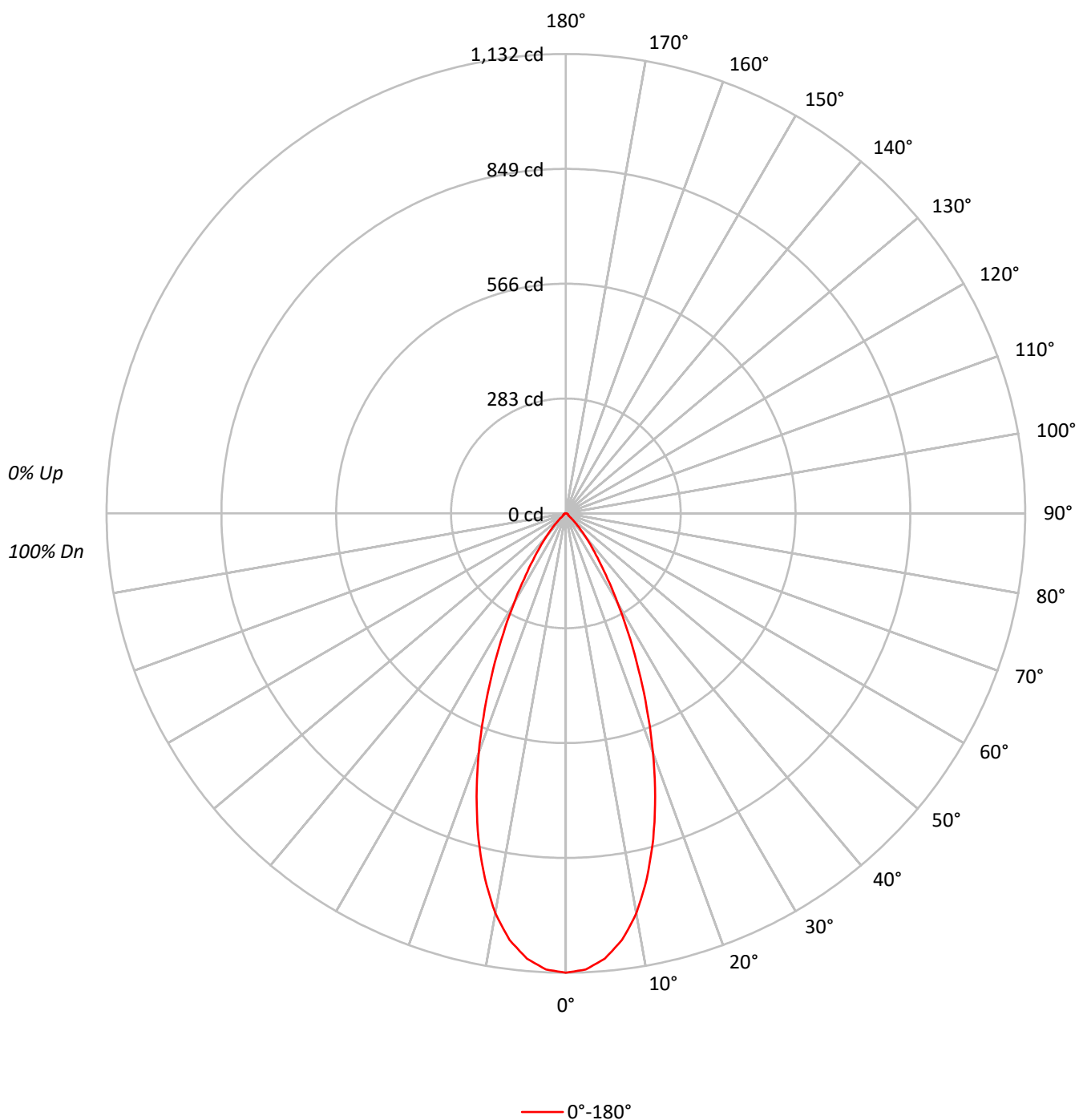
Lumens per Lamp: N/A
Luminaire Lumens: 661.0 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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