

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: P1293650

Luminaire Tested: P3A09R45W2N902765DE010 E3DL1GPH_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293650
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 E3DL1GPH_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 3500K CCT AND, 90CRI ,
E3DL1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

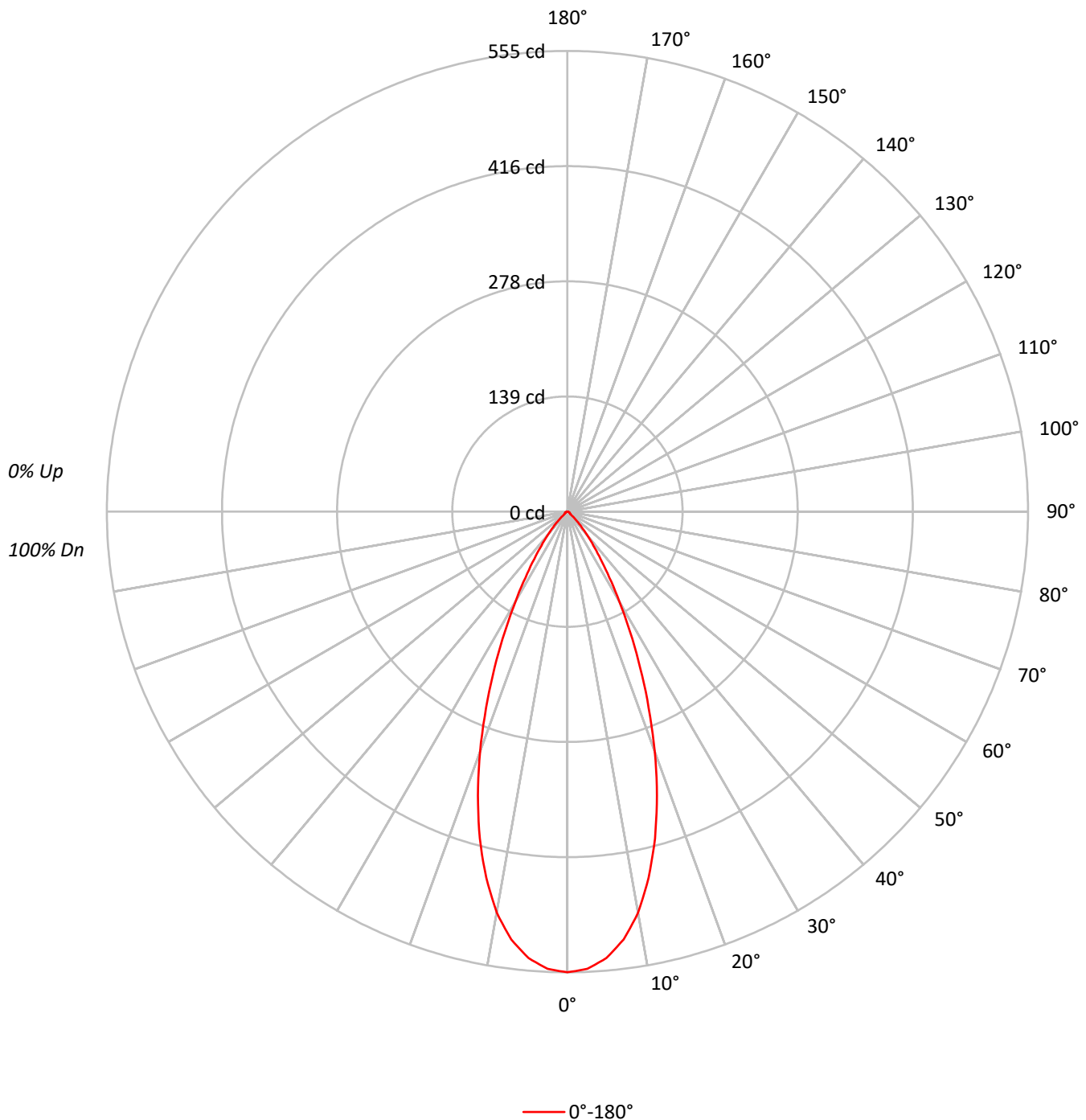
Lumens per Lamp: N/A
Luminaire Lumens: 324.0 lumens
Efficiency: N/A
Efficacy: 36.0 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	121679
5°	118820
10°	109216
15°	92554
20°	71803
25°	50205
30°	31625
35°	18605
40°	10534
45°	5117
50°	1774
55°	1453
60°	1403
65°	1349
70°	1282
75°	1186
80°	1137
85°	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 5117 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.0	15.4
10°-20°	111.9	34.5
20°-30°	95.1	29.3
30°-40°	45.4	14.0
40°-50°	13.7	4.2
50°-60°	3.5	1.1
60°-70°	2.6	0.8
70°-80°	1.5	0.5
80°-90°	0.4	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°	257.0	79.3
0°-40°	302.3	93.3
0°-60°	319.5	98.6
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°	555	
5°	540	50
15°	408	112
25°	208	95
35°	70	45
45°	16	14
55°	4	3
65°	3	3
75°	1	2
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	554.9
2.5°	551.4
5°	539.8
7.5°	519.8
10°	490.5
12.5°	451.7
15°	407.7
17.5°	358.7
20°	307.7
22.5°	255.9
25°	207.5
27.5°	163.4
30°	124.9
32.5°	93.9
35°	69.5
37.5°	51.3
40°	36.8
42.5°	25.5
45°	16.5
47.5°	9.3
50°	5.2
52.5°	4.1
55°	3.8
57.5°	3.5
60°	3.2
62.5°	2.9
65°	2.6
67.5°	2.3
70°	2.0
72.5°	1.7
75°	1.4
77.5°	1.2
80°	0.9
82.5°	0.6
85°	0.3
87.5°	0.3
90°	0.0

(END OF REPORT)