

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: P1289859

Luminaire Tested: P3A05R45W2N902765DE010 E3DL1H_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1289859
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 E3DL1H_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 2700K CCT AND, 90CRI ,
E3DL1H TRIM
Light Source: -
Ballast/Driver: -

Summary

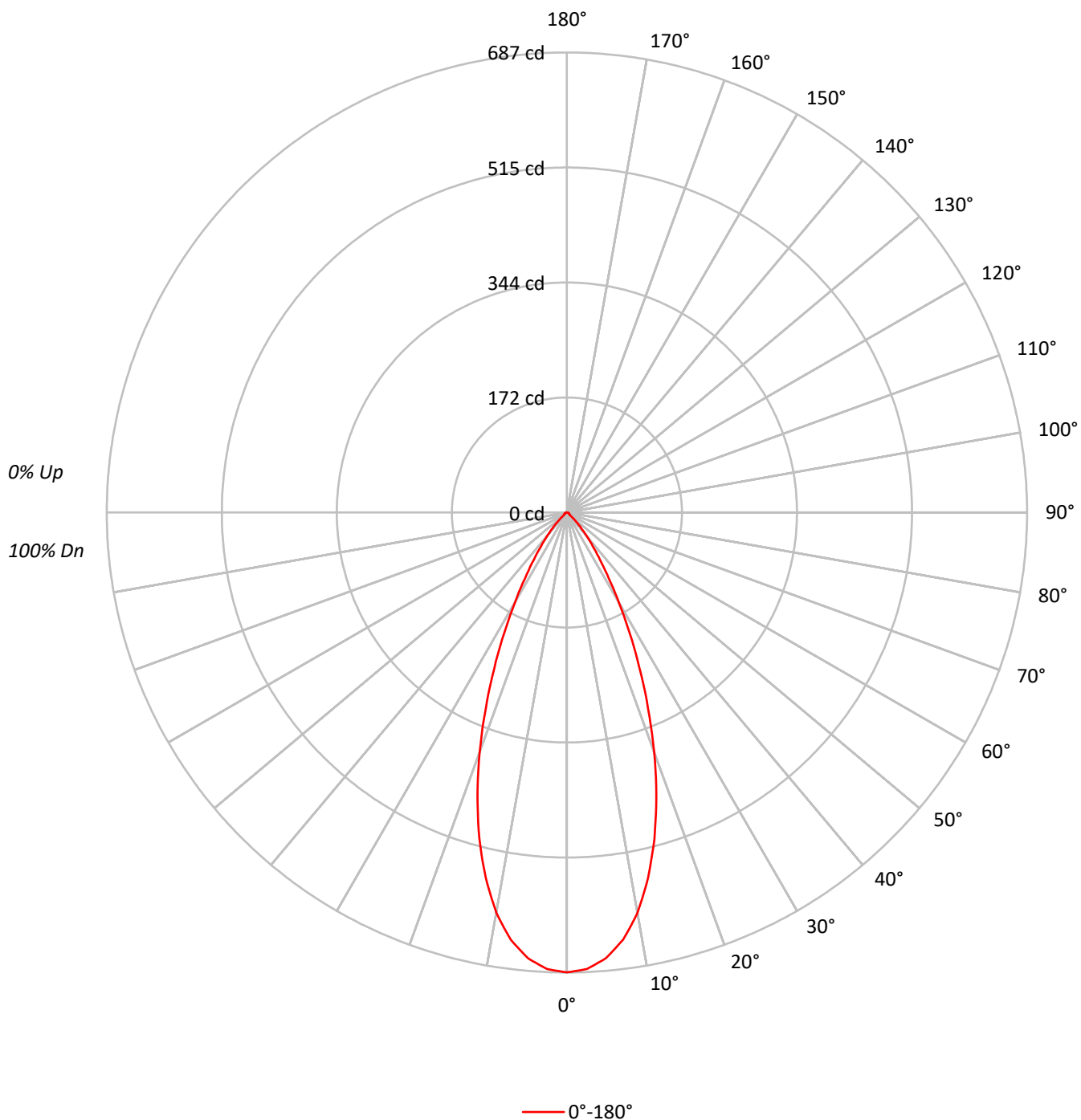
Lumens per Lamp: N/A
Luminaire Lumens: 401.1 lumens
Efficiency: N/A
Efficacy: 68.0 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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			
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	69
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°	150580
5°	147061
10°	135179
15°	114552
20°	88861
25°	62133
30°	39145
35°	23048
40°	13024
45°	6326
50°	2217
55°	1797
60°	1710
65°	1660
70°	1603
75°	1525
80°	1389
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 6326 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.8	15.4
10°-20°	138.6	34.5
20°-30°	117.7	29.3
30°-40°	56.1	14.0
40°-50°	16.9	4.2
50°-60°	4.3	1.1
60°-70°	3.2	0.8
70°-80°	1.9	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°	318.1	79.3
0°-40°	374.2	93.3
0°-60°	395.4	98.6
0°-90°	401.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	401.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	687	
5°	668	62
15°	505	139
25°	257	118
35°	86	56
45°	20	17
55°	5	4
65°	3	3
75°	2	2
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	686.7
2.5°	682.4
5°	668.1
7.5°	643.4
10°	607.1
12.5°	559.1
15°	504.6
17.5°	444.0
20°	380.8
22.5°	316.7
25°	256.8
27.5°	202.3
30°	154.6
32.5°	116.2
35°	86.1
37.5°	63.5
40°	45.5
42.5°	31.6
45°	20.4
47.5°	11.5
50°	6.5
52.5°	5.0
55°	4.7
57.5°	4.3
60°	3.9
62.5°	3.6
65°	3.2
67.5°	2.9
70°	2.5
72.5°	2.2
75°	1.8
77.5°	1.4
80°	1.1
82.5°	0.7
85°	0.4
87.5°	0.4
90°	0.0

(END OF REPORT)