

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: P1289730

Luminaire Tested: P3A05R45W2N902750DE010 E3DL1H_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1289730
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: P3A05R45W2N902750DE010 E3DL1H_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 5000K CCT AND, 90CRI , E3DL1H TRIM
Light Source: -
Ballast/Driver: -

Summary

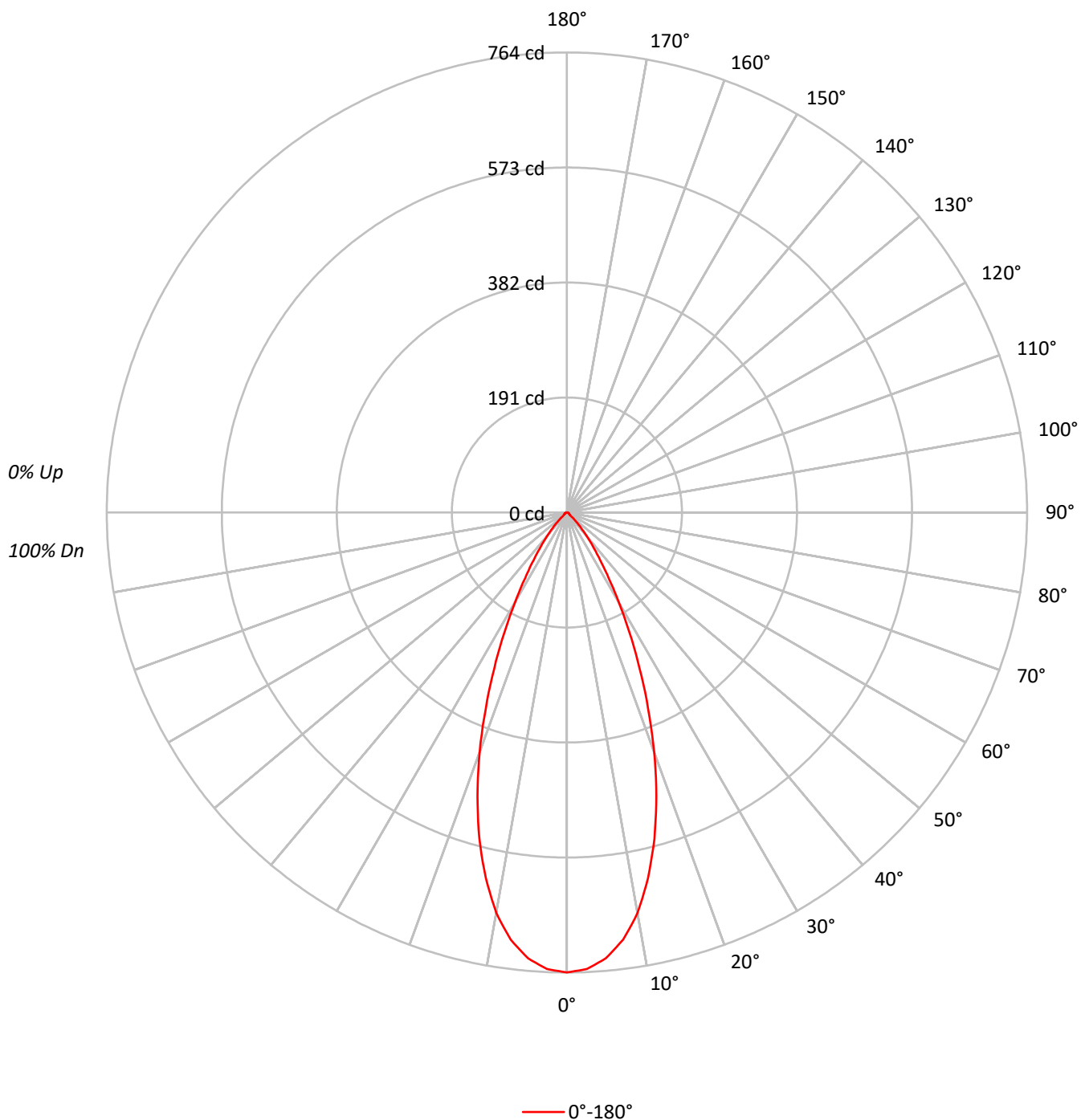
Lumens per Lamp: N/A
Luminaire Lumens: 446.0 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.69
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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°	167487
5°	163570
10°	150365
15°	127401
20°	98849
25°	69101
30°	43526
35°	25618
40°	14513
45°	7039
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: 7039 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.8	15.4
10°-20°	154.1	34.6
20°-30°	130.9	29.3
30°-40°	62.4	14.0
40°-50°	18.8	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°	353.8	79.3
0°-40°	416.2	93.3
0°-60°	439.8	98.6
0°-90°	446.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	446.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	764	
5°	743	69
15°	561	154
25°	286	131
35°	96	62
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°	763.8
2.5°	759.0
5°	743.1
7.5°	715.5
10°	675.3
12.5°	621.8
15°	561.2
17.5°	493.8
20°	423.6
22.5°	352.2
25°	285.6
27.5°	225.0
30°	171.9
32.5°	129.2
35°	95.7
37.5°	70.6
40°	50.7
42.5°	35.1
45°	22.7
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)