

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: P1290037

Luminaire Tested: P3A05R50W2N902750DE010 E3DL1WH_3000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1290037
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R50W2N902750DE010 E3DL1WH_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
E3DL1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

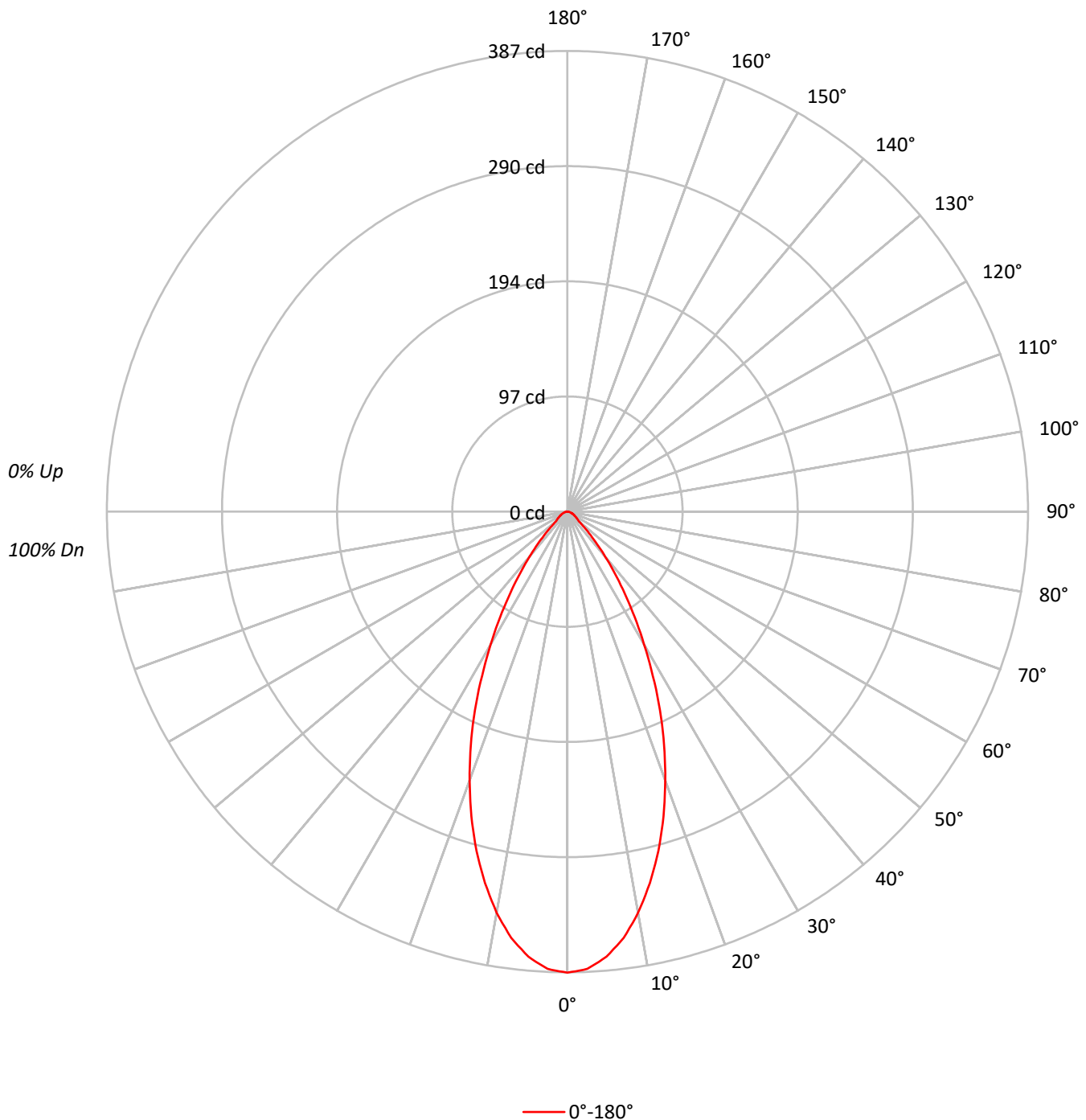
Lumens per Lamp: N/A
Luminaire Lumens: 292.0 lumens
Efficiency: N/A
Efficacy: 49.5 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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	100		
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93		
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85		
3	101	95	89	85	99	93	88	85	91	87	83	88	85	82	86	83	81	79		
4	96	88	82	78	94	87	82	78	85	80	77	83	79	76	81	78	75	73		
5	91	83	76	72	90	82	76	72	80	75	71	78	74	70	76	73	70	68		
6	87	77	71	67	85	77	71	67	75	70	66	74	69	66	72	68	65	64		
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60		
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	57	56		
9	75	65	59	55	74	64	59	55	63	58	55	63	58	54	62	57	54	53		
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	84927
5°	82632
10°	76195
15°	67015
20°	56075
25°	44470
30°	32613
35°	22433
40°	14255
45°	7970
50°	4298
55°	3632
60°	3114
65°	2854
70°	2565
75°	2372
80°	2020
85°	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7970 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.8	11.9
10°-20°	81.8	28.0
20°-30°	83.6	28.6
30°-40°	53.0	18.2
40°-50°	21.1	7.2
50°-60°	8.6	2.9
60°-70°	5.5	1.9
70°-80°	2.8	1.0
80°-90°	0.9	0.3
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°	200.2	68.5
0°-40°	253.2	86.7
0°-60°	282.9	96.9
0°-90°	292.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	292.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	387	
5°	375	35
15°	295	82
25°	184	84
35°	84	53
45°	26	21
55°	10	9
65°	6	5
75°	3	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	387.3
2.5°	384.5
5°	375.4
7.5°	361.2
10°	342.2
12.5°	319.7
15°	295.2
17.5°	268.3
20°	240.3
22.5°	212.2
25°	183.8
27.5°	155.3
30°	128.8
32.5°	105.1
35°	83.8
37.5°	65.6
40°	49.8
42.5°	36.8
45°	25.7
47.5°	17.4
50°	12.6
52.5°	10.7
55°	9.5
57.5°	8.3
60°	7.1
62.5°	6.3
65°	5.5
67.5°	4.7
70°	4.0
72.5°	3.2
75°	2.8
77.5°	2.0
80°	1.6
82.5°	1.2
85°	0.8
87.5°	0.4
90°	0.0

(END OF REPORT)