

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: P1291312

Luminaire Tested: P3A05R70W2N902750DE010 E3DL1WH_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1291312
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R70W2N902750DE010 E3DL1WH_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,
E3DL1WH TRIM
Light Source: -
Ballast/Driver: -

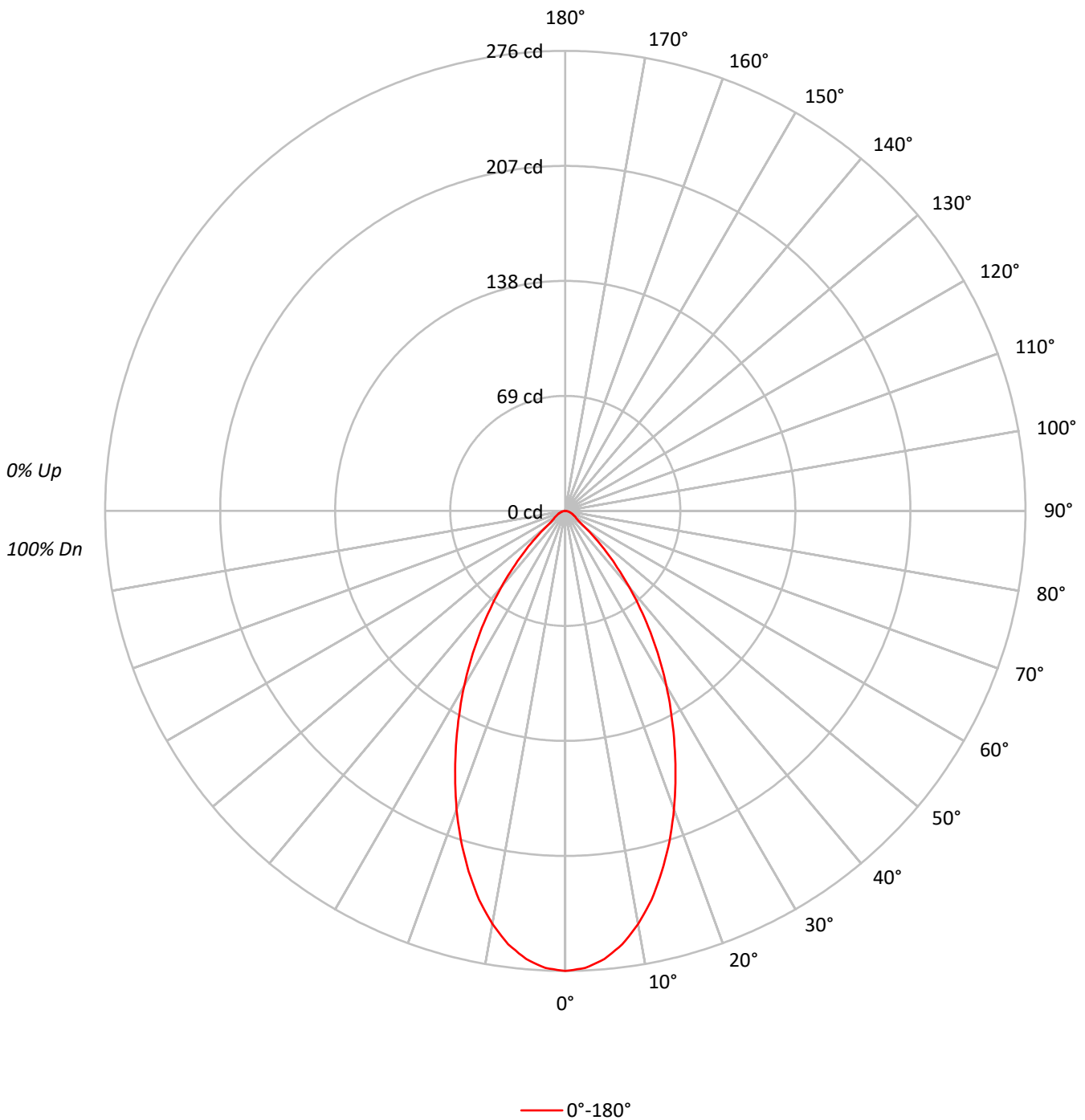
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 258.0 lumens
Efficiency: N/A
Efficacy: 43.7 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87
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				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				100
1	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92				92
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84				84
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77				77
4	95	86	80	76	93	85	80	75	83	78	74	81	77	73	79	76	73	71				71
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65				65
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	65	62	61				61
7	80	70	64	59	79	69	63	59	68	62	58	67	62	58	66	61	58	56				56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52				52
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49				49
10	69	58	52	48	67	58	52	48	57	51	48	56	51	48	55	51	47	46				46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	60521
5°	59410
10°	56022
15°	50829
20°	44477
25°	37502
30°	30714
35°	23825
40°	17061
45°	10792
50°	5390
55°	3288
60°	2851
65°	2594
70°	2308
75°	2118
80°	1768
85°	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 10792 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.2	9.8
10°-20°	62.3	24.2
20°-30°	71.0	27.5
30°-40°	55.5	21.5
40°-50°	27.3	10.6
50°-60°	8.4	3.2
60°-70°	5.0	1.9
70°-80°	2.7	1.0
80°-90°	0.8	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°	158.5	61.4
0°-40°	213.9	82.9
0°-60°	249.6	96.7
0°-90°	258.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	258.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	276	
5°	270	25
15°	224	62
25°	155	71
35°	89	55
45°	35	27
55°	9	8
65°	5	5
75°	2	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	276.0
2.5°	274.5
5°	269.9
7.5°	262.3
10°	251.6
12.5°	239.0
15°	223.9
17.5°	207.8
20°	190.6
22.5°	172.6
25°	155.0
27.5°	137.8
30°	121.3
32.5°	104.8
35°	89.0
37.5°	73.9
40°	59.6
42.5°	46.3
45°	34.8
47.5°	24.4
50°	15.8
52.5°	10.4
55°	8.6
57.5°	7.5
60°	6.5
62.5°	5.7
65°	5.0
67.5°	4.3
70°	3.6
72.5°	2.9
75°	2.5
77.5°	2.2
80°	1.4
82.5°	1.1
85°	0.7
87.5°	0.4
90°	0.0

(END OF REPORT)