

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: P1289427

Luminaire Tested: P3A05R40W2N902750DE010 E3DL1H_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1289427
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R40W2N902750DE010 E3DL1H_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 2700K CCT AND, 90CRI ,
E3DL1H TRIM
Light Source: -
Ballast/Driver: -

Summary

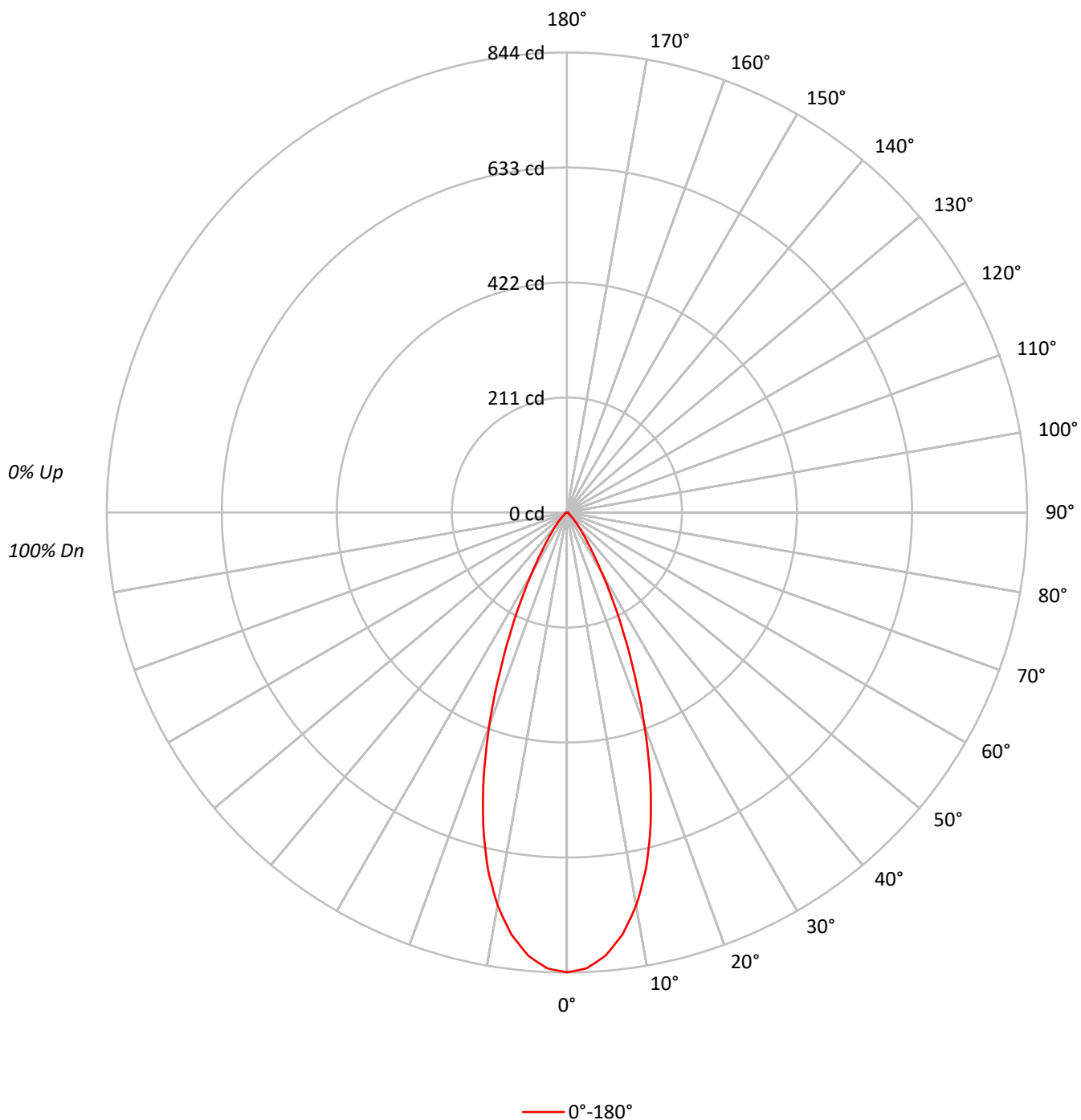
Lumens per Lamp: N/A
Luminaire Lumens: 418.0 lumens
Efficiency: N/A
Efficacy: 70.9 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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	112	109	107	105	105	104	102	102	100	99	98	97	96	94		
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89		
3	104	99	94	91	102	97	93	90	95	91	88	92	89	87	90	88	86	84		
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80		
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	76		
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72		
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69		
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65		
9	82	73	68	64	81	73	68	64	72	67	64	71	67	64	70	66	64	63		
10	78	70	65	62	78	70	65	61	69	64	61	68	64	61	67	64	61	60		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	184963
5°	179595
10°	162967
15°	134643
20°	97122
25°	60076
30°	32511
35°	16811
40°	9131
45°	5117
50°	2559
55°	1912
60°	1710
65°	1660
70°	1603
75°	1525
80°	1389
85°	1006

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°	75.2	18.0
10°-20°	161.5	38.6
20°-30°	115.2	27.6
30°-40°	42.4	10.2
40°-50°	13.4	3.2
50°-60°	4.6	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°	351.9	84.2
0°-40°	394.4	94.3
0°-60°	412.4	98.6
0°-90°	418.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	418.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	844	
5°	816	75
15°	593	161
25°	248	115
35°	63	42
45°	16	13
55°	5	5
65°	3	3
75°	2	2
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	843.5
2.5°	837.0
5°	815.9
7.5°	780.7
10°	731.9
12.5°	669.8
15°	593.1
17.5°	507.0
20°	416.2
22.5°	326.8
25°	248.3
27.5°	182.3
30°	128.4
32.5°	90.1
35°	62.8
37.5°	44.5
40°	31.9
42.5°	23.0
45°	16.5
47.5°	11.1
50°	7.5
52.5°	5.4
55°	5.0
57.5°	4.7
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)