

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: P1289445

Luminaire Tested: P3A05R40W2N902750DE010 E3DL1WH_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1289445
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R40W2N902750DE010 E3DL1WH_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 4000K CCT AND, 90CRI ,
E3DL1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

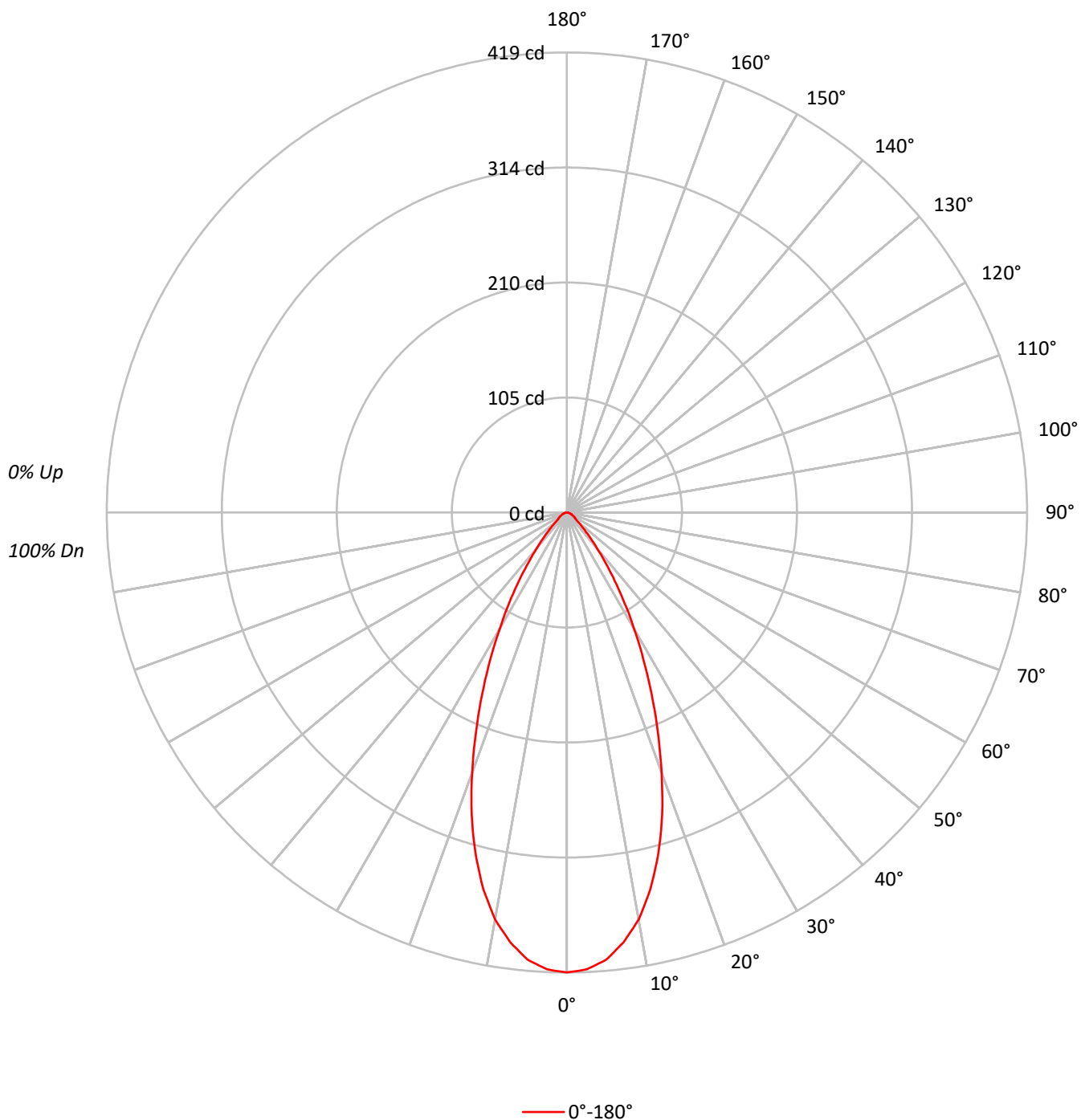
Lumens per Lamp: N/A
Luminaire Lumens: 294.9 lumens
Efficiency: N/A
Efficacy: 50.0 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.74
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	95	93
2	107	102	98	95	105	101	97	94	97	94	91		94	92	89		92	89	88	86
3	102	95	90	86	100	94	89	85	91	87	84		89	85	83		86	84	81	80
4	97	89	83	79	95	88	83	79	86	81	78		84	80	77		82	79	76	74
5	92	83	77	73	90	82	77	73	81	76	72		79	75	72		77	74	71	69
6	87	78	72	68	86	78	72	68	76	71	67		75	70	67		73	70	66	65
7	83	74	68	64	82	73	68	64	72	67	63		71	66	63		70	66	62	61
8	79	70	64	60	78	69	64	60	68	63	59		67	63	59		66	62	59	58
9	76	66	60	56	75	66	60	56	65	60	56		64	59	56		63	59	56	54
10	72	63	57	53	71	62	57	53	62	57	53		61	56	53		60	56	53	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	91857
5°	90006
10°	83788
15°	73031
20°	58852
25°	44107
30°	31017
35°	20318
40°	12309
45°	7350
50°	4401
55°	3517
60°	3158
65°	2698
70°	2565
75°	2033
80°	2020
85°	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7350 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.0	12.9
10°-20°	88.6	30.0
20°-30°	83.5	28.3
30°-40°	48.3	16.4
40°-50°	19.2	6.5
50°-60°	8.5	2.9
60°-70°	5.2	1.8
70°-80°	2.7	0.9
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°	210.1	71.2
0°-40°	258.3	87.6
0°-60°	286.1	97.0
0°-90°	294.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	294.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	419	
5°	409	38
15°	322	89
25°	182	83
35°	76	48
45°	24	19
55°	9	8
65°	5	5
75°	2	3
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	418.9
2.5°	416.5
5°	408.9
7.5°	394.8
10°	376.3
12.5°	351.4
15°	321.7
17.5°	288.4
20°	252.2
22.5°	216.1
25°	182.3
27.5°	151.0
30°	122.5
32.5°	97.6
35°	75.9
37.5°	57.4
40°	43.0
42.5°	32.1
45°	23.7
47.5°	17.3
50°	12.9
52.5°	10.4
55°	9.2
57.5°	8.4
60°	7.2
62.5°	6.0
65°	5.2
67.5°	4.4
70°	4.0
72.5°	3.2
75°	2.4
77.5°	2.0
80°	1.6
82.5°	1.2
85°	0.8
87.5°	0.4
90°	0.0

(END OF REPORT)