

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: P1289456

Luminaire Tested: P3A05R40W2N902750DE010 E3DLD1GPH_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1289456
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R40W2N902750DE010 E3DLD1GPH_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 5000K CCT AND, 90CRI ,
E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

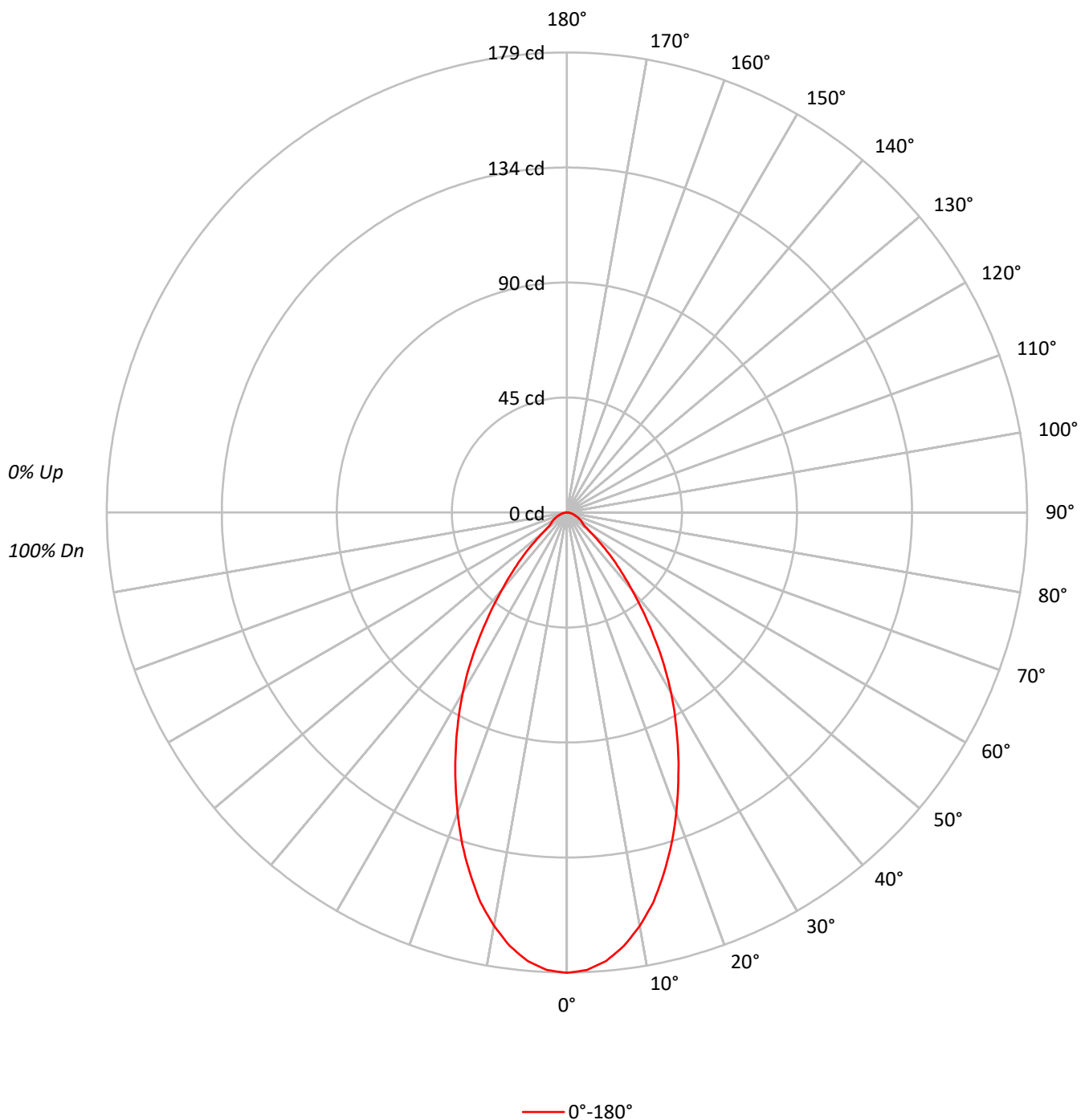
Lumens per Lamp: N/A
Luminaire Lumens: 175.0 lumens
Efficiency: N/A
Efficacy: 29.7 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76		
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69		
5	89	79	73	68	87	78	72	67	76	71	67	75	70	66	73	69	66	64		
6	84	74	67	62	82	73	67	62	71	66	61	70	65	61	68	64	61	59		
7	79	69	62	57	78	68	62	57	67	61	57	65	60	57	64	60	56	55		
8	75	64	58	53	74	64	57	53	63	57	53	62	56	53	61	56	52	51		
9	71	60	54	50	70	60	54	50	59	53	49	58	53	49	57	52	49	48		
10	67	57	51	46	66	56	50	46	56	50	46	55	50	46	54	49	46	45		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	39273
5°	38565
10°	36361
15°	33031
20°	29006
25°	24776
30°	20535
35°	15821
40°	11278
45°	7598
50°	4128
55°	2906
60°	2763
65°	2542
70°	2244
75°	2118
80°	1768
85°	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7598 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.3	9.3
10°-20°	40.5	23.2
20°-30°	46.8	26.8
30°-40°	36.9	21.1
40°-50°	18.9	10.8
50°-60°	7.2	4.1
60°-70°	4.8	2.7
70°-80°	2.6	1.5
80°-90°	0.8	0.5
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°	103.7	59.3
0°-40°	140.6	80.4
0°-60°	166.8	95.3
0°-90°	175.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	175.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	179	
5°	175	16
15°	146	41
25°	102	47
35°	59	37
45°	24	19
55°	8	7
65°	5	5
75°	2	3
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	179.1
2.5°	178.2
5°	175.2
7.5°	170.1
10°	163.3
12.5°	155.3
15°	145.5
17.5°	135.3
20°	124.3
22.5°	113.2
25°	102.4
27.5°	91.6
30°	81.1
32.5°	70.3
35°	59.1
37.5°	48.8
40°	39.4
42.5°	31.3
45°	24.5
47.5°	17.8
50°	12.1
52.5°	8.8
55°	7.6
57.5°	6.9
60°	6.3
62.5°	5.5
65°	4.9
67.5°	4.1
70°	3.5
72.5°	2.9
75°	2.5
77.5°	2.0
80°	1.4
82.5°	1.2
85°	0.6
87.5°	0.4
90°	0.0

(END OF REPORT)