

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: P1289616

Luminaire Tested: P3A05R40W2N902765DE010 E3DLD1GPH_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1289616
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: P3A05R40W2N902765DE010 E3DLD1GPH_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 3500K CCT AND, 90CRI ,
E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

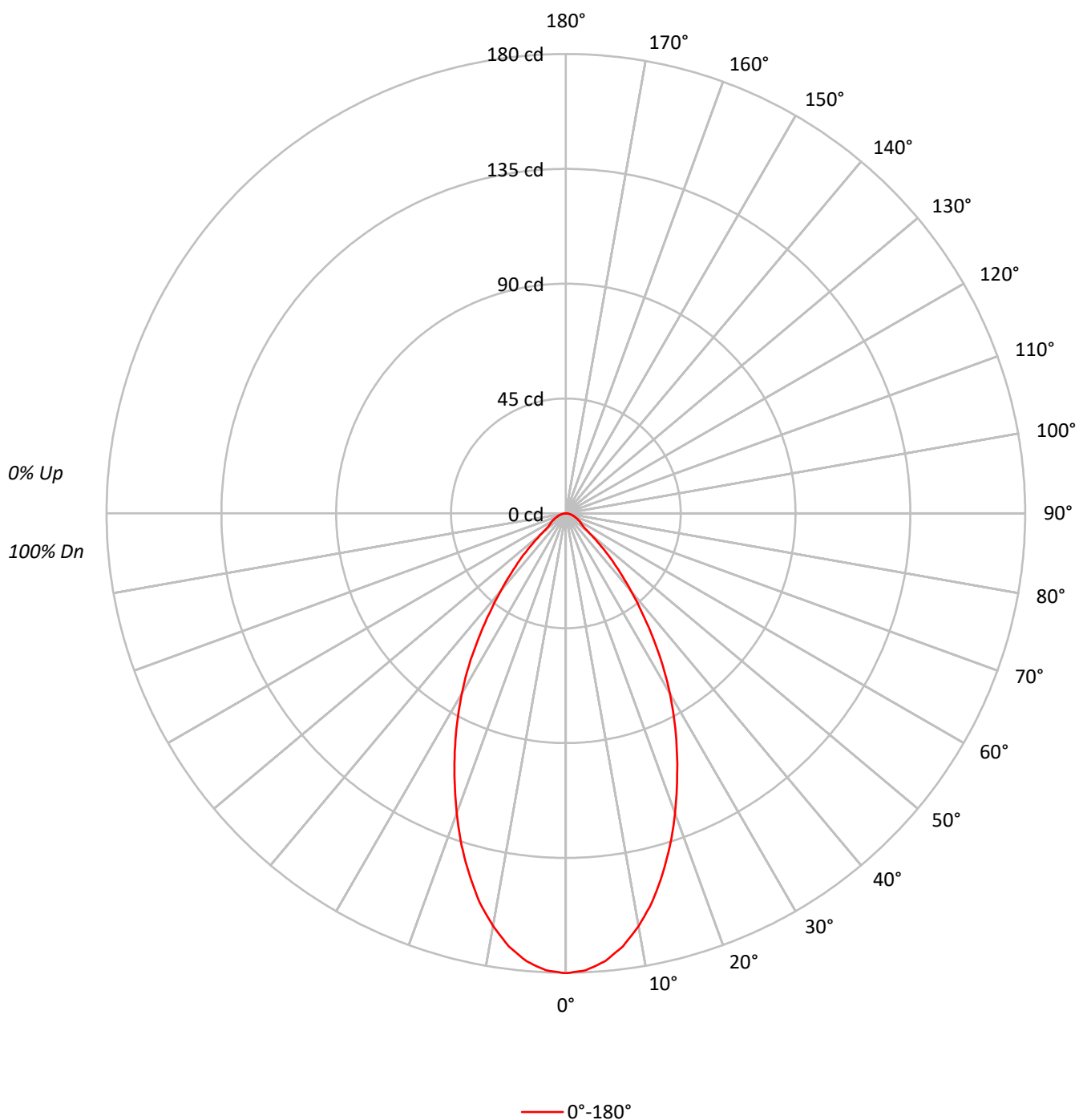
Lumens per Lamp: N/A
Luminaire Lumens: 176.0 lumens
Efficiency: N/A
Efficacy: 29.8 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1289616

CATALOG NUMBER: P3A05R40W2N902765DE010 E3DLD1GPH_3500K

Luminous Intensity Polar Plot





TEST NUMBER: P1289616

CATALOG NUMBER: P3A05R40W2N902765DE010 E3DLD1GPH_3500K

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	104	110	107	104	102	103	101	99		99	98	96		96
2	106	100	96	92	104	98	94	91	95	92	89		92	89	87		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	85	79	74	92	84	78	74	82	77	73		80	75	72		78
5	89	79	73	68	87	78	72	67	76	71	67		75	70	66		73
6	84	74	67	62	82	73	67	62	71	66	61		70	65	61		68
7	79	69	62	57	78	68	62	57	67	61	57		65	60	57		64
8	75	64	58	53	74	64	57	53	63	57	53		62	56	53		61
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57
10	67	57	51	46	66	56	50	46	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	39514
5°	38785
10°	36561
15°	33212
20°	29169
25°	24921
30°	20636
35°	15928
40°	11336
45°	7629
50°	4162
55°	2944
60°	2763
65°	2542
70°	2244
75°	2203
80°	1768
85°	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7629 cd/sqm

TEST NUMBER: P1289616

CATALOG NUMBER: P3A05R40W2N902765DE010 E3DLD1GPH_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.4	9.3
10°-20°	40.8	23.2
20°-30°	47.1	26.8
30°-40°	37.1	21.1
40°-50°	19.1	10.8
50°-60°	7.3	4.1
60°-70°	4.8	2.7
70°-80°	2.7	1.5
80°-90°	0.8	0.4
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°	104.3	59.3
0°-40°	141.4	80.3
0°-60°	167.8	95.3
0°-90°	176.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	176.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	180	
5°	176	16
15°	146	41
25°	103	47
35°	60	37
45°	25	19
55°	8	7
65°	5	5
75°	3	3
85°	1	1
90°	0	

TEST NUMBER: P1289616

CATALOG NUMBER: P3A05R40W2N902765DE010 E3DLD1GPH_3500K

CANDELA DISTRIBUTION (FULL):

0°	
0°	180.2
2.5°	179.2
5°	176.2
7.5°	171.1
10°	164.2
12.5°	156.1
15°	146.3
17.5°	136.1
20°	125.0
22.5°	113.8
25°	103.0
27.5°	92.2
30°	81.5
32.5°	70.7
35°	59.5
37.5°	49.0
40°	39.6
42.5°	31.5
45°	24.6
47.5°	17.9
50°	12.2
52.5°	8.9
55°	7.7
57.5°	6.9
60°	6.3
62.5°	5.5
65°	4.9
67.5°	4.1
70°	3.5
72.5°	3.0
75°	2.6
77.5°	2.0
80°	1.4
82.5°	1.2
85°	0.6
87.5°	0.4
90°	0.0

(END OF REPORT)