

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: P1289452

Luminaire Tested: P3A05R40W2N902750DE010 E3DLD1GPH_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1289452
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_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 2700K CCT AND, 90CRI ,
E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

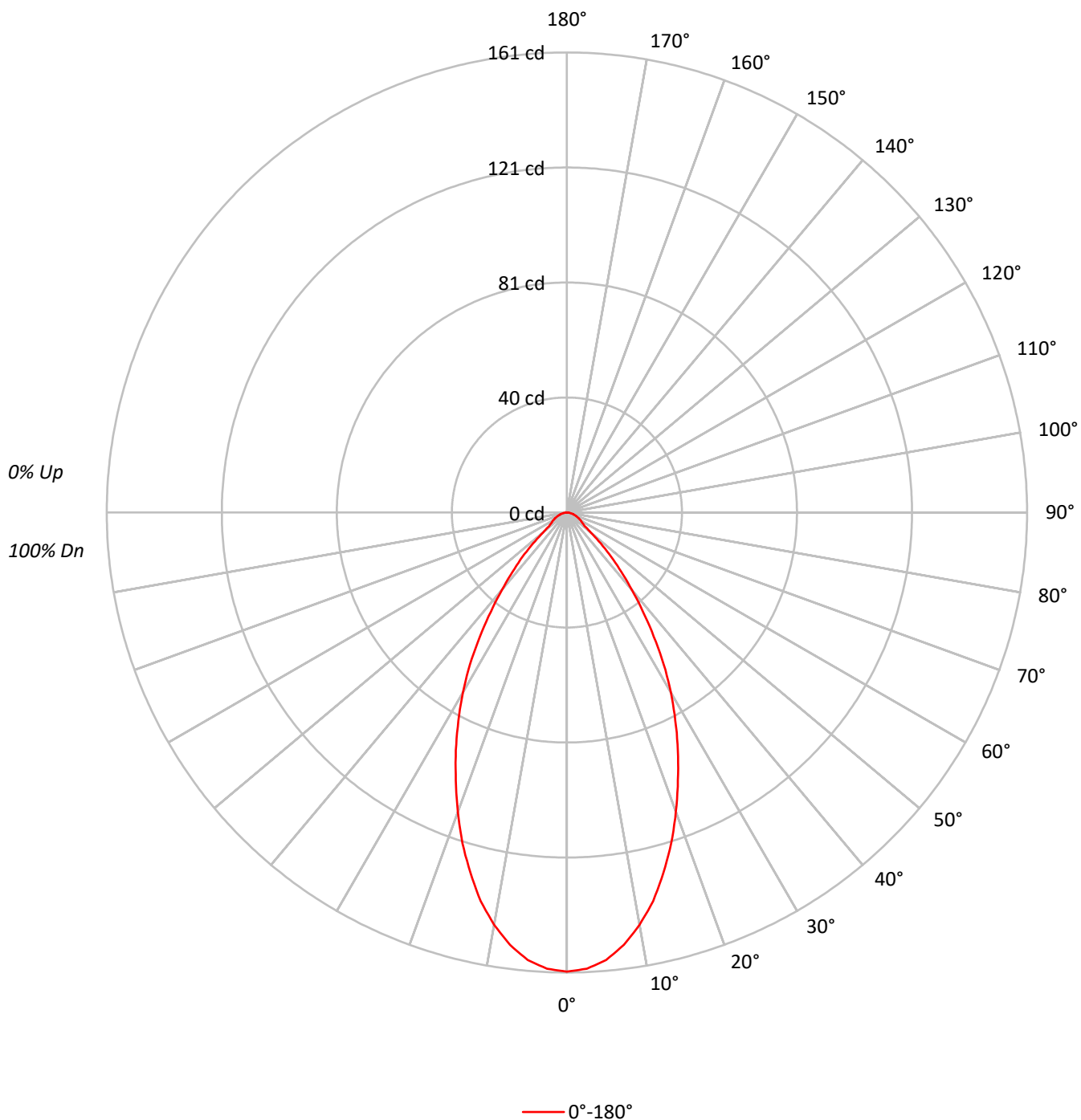
Lumens per Lamp: N/A
Luminaire Lumens: 157.0 lumens
Efficiency: N/A
Efficacy: 26.6 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1289452

CATALOG NUMBER: P3A05R40W2N902750DE010 E3DLD1GPH_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1289452

CATALOG NUMBER: P3A05R40W2N902750DE010 E3DLD1GPH_2700K

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°	35238
5°	34603
10°	32620
15°	29626
20°	26019
25°	22235
30°	18408
35°	14188
40°	10105
45°	6822
50°	3718
55°	2638
60°	2456
65°	2283
70°	2052
75°	1949
80°	1515
85°	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 6822 cd/sqm

TEST NUMBER: P1289452

CATALOG NUMBER: P3A05R40W2N902750DE010 E3DLD1GPH_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.7	9.3
10°-20°	36.4	23.2
20°-30°	42.0	26.8
30°-40°	33.1	21.1
40°-50°	17.0	10.8
50°-60°	6.5	4.1
60°-70°	4.3	2.7
70°-80°	2.3	1.5
80°-90°	0.7	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°	93.0	59.3
0°-40°	126.2	80.3
0°-60°	149.7	95.3
0°-90°	157.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	157.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	161	
5°	157	15
15°	130	36
25°	92	42
35°	53	33
45°	22	17
55°	7	6
65°	4	4
75°	2	2
85°	0	1
90°	0	



TEST NUMBER: P1289452

CATALOG NUMBER: P3A05R40W2N902750DE010 E3DLD1GPH_2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	160.7
2.5°	159.8
5°	157.2
7.5°	152.6
10°	146.5
12.5°	139.3
15°	130.5
17.5°	121.4
20°	111.5
22.5°	101.5
25°	91.9
27.5°	82.2
30°	72.7
32.5°	63.1
35°	53.0
37.5°	43.7
40°	35.3
42.5°	28.1
45°	22.0
47.5°	16.0
50°	10.9
52.5°	7.9
55°	6.9
57.5°	6.1
60°	5.6
62.5°	4.9
65°	4.4
67.5°	3.7
70°	3.2
72.5°	2.6
75°	2.3
77.5°	1.8
80°	1.2
82.5°	1.1
85°	0.5
87.5°	0.4
90°	0.0

(END OF REPORT)