

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: P1245781

Luminaire Tested: P3A02R459024DE010 E3DLD1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245781
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R459024DE010 E3DLD1H
Description: 3in Adjustable LED luminaire with, R45 optic, 2400K CCT AND, 90CRI , E3DLD1H TRIM
Light Source: -
Ballast/Driver: -

Summary

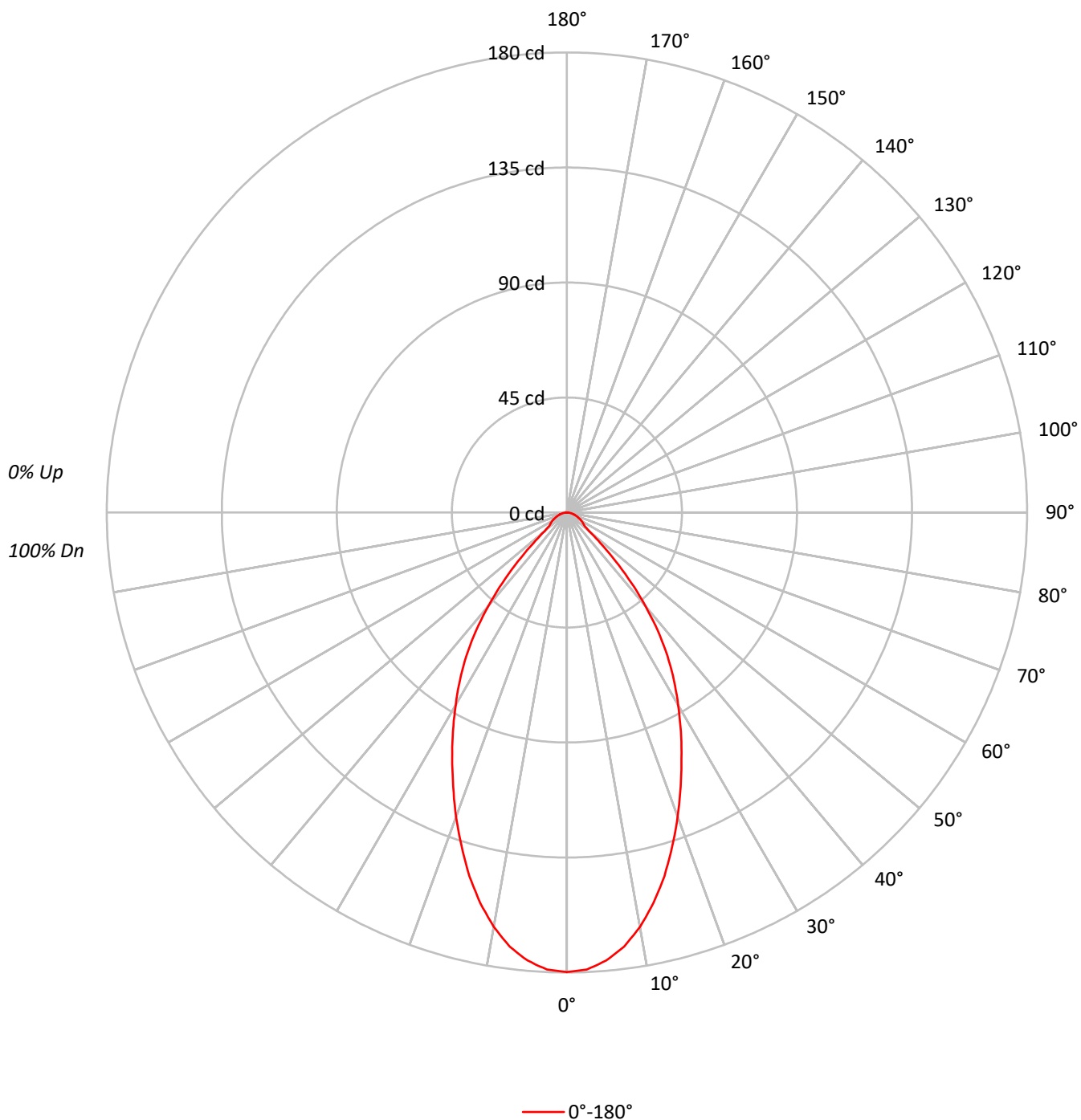
Lumens per Lamp: N/A
Luminaire Lumens: 186.0 lumens
Efficiency: N/A
Efficacy: 51.7 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1245781

CATALOG NUMBER: P3A02R459024DE010 E3DLD1H

Luminous Intensity Polar Plot



TEST NUMBER: P1245781

CATALOG NUMBER: P3A02R459024DE010 E3DLD1H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					30					10					0
RW	70	50	30	10		70	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
1	112	109	106	104		110	107	104	102		103	101	99		99	97	96		96	94	93
2	106	100	95	91		103	98	94	90		95	91	88		92	89	86		89	87	85
3	99	92	86	82		97	91	85	81		88	83	80		85	81	78		83	80	77
4	94	85	78	74		92	84	78	73		81	76	72		79	75	71		77	74	71
5	88	79	72	67		86	78	71	67		76	70	66		74	69	65		72	68	65
6	83	73	66	61		81	72	66	61		71	65	61		69	64	60		68	63	60
7	78	68	61	57		77	67	61	56		66	60	56		65	60	56		64	59	55
8	74	64	57	52		73	63	57	52		62	56	52		61	56	52		60	55	52
9	70	60	53	49		69	59	53	49		58	52	48		57	52	48		56	52	48
10	67	56	50	45		66	56	49	45		55	49	45		54	49	45		53	48	45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	39427
5°	38741
10°	36650
15°	33439
20°	29566
25°	25671
30°	22029
35°	18364
40°	13683
45°	8373
50°	3889
55°	3020
60°	2895
65°	2646
70°	2500
75°	2372
80°	2147
85°	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 8373 cd/sqm

TEST NUMBER: P1245781

CATALOG NUMBER: P3A02R459024DE010 E3DLD1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.4	8.8
10°-20°	41.0	22.1
20°-30°	48.7	26.2
30°-40°	42.3	22.8
40°-50°	21.2	11.4
50°-60°	7.4	4.0
60°-70°	5.2	2.8
70°-80°	2.9	1.5
80°-90°	0.9	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°	106.2	57.1
0°-40°	148.5	79.8
0°-60°	177.1	95.2
0°-90°	186.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	186.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	180	
5°	176	16
15°	147	41
25°	106	49
35°	69	42
45°	27	21
55°	8	7
65°	5	5
75°	3	3
85°	1	1
90°	0	

TEST NUMBER: P1245781

CATALOG NUMBER: P3A02R459024DE010 E3DLD1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	179.8
2.5°	179.0
5°	176.0
7.5°	171.3
10°	164.6
12.5°	156.5
15°	147.3
17.5°	137.0
20°	126.7
22.5°	116.2
25°	106.1
27.5°	96.5
30°	87.0
32.5°	78.0
35°	68.6
37.5°	58.5
40°	47.8
42.5°	37.3
45°	27.0
47.5°	17.8
50°	11.4
52.5°	8.8
55°	7.9
57.5°	7.3
60°	6.6
62.5°	6.0
65°	5.1
67.5°	4.5
70°	3.9
72.5°	3.2
75°	2.8
77.5°	2.1
80°	1.7
82.5°	1.3
85°	0.6
87.5°	0.4
90°	0.0

(END OF REPORT)