

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: P1258533

Luminaire Tested: P3AS24R459040D010 E3DLD1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258533
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: P3AS24R459040D010 E3DLD1LI
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 90CRI , E3DLD1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

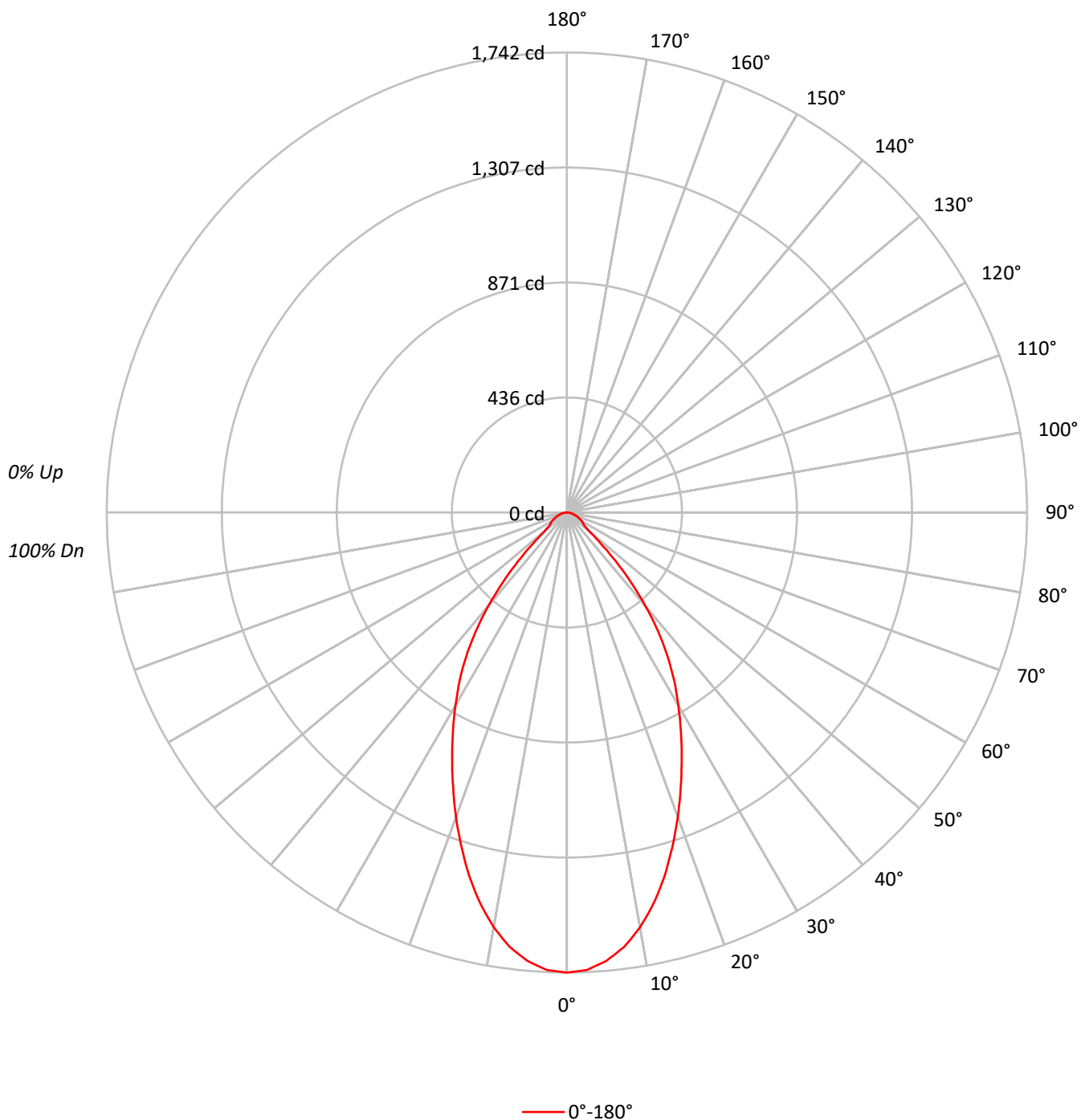
Lumens per Lamp: N/A
Luminaire Lumens: 1802.0 lumens
Efficiency: N/A
Efficacy: 62.6 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1258533

CATALOG NUMBER: P3AS24R459040D010 E3DLD1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1258533

CATALOG NUMBER: P3AS24R459040D010 E3DLD1LI

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	97	96		96
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	92	86	82	97	90	85	81	88	83	80		85	81	78		83
4	94	85	78	74	92	84	78	73	81	76	72		79	75	71		77
5	88	79	72	67	86	78	71	67	76	70	66		74	69	65		72
6	83	73	66	61	81	72	66	61	71	65	61		69	64	60		68
7	78	68	61	57	77	67	61	56	66	60	56		65	60	56		64
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	70	60	53	49	69	59	53	49	58	52	48		57	52	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	382075
5°	375302
10°	355126
15°	323884
20°	286395
25°	248724
30°	213476
35°	177882
40°	132563
45°	81156
50°	37560
55°	29361
60°	28243
65°	25839
70°	23978
75°	22875
80°	20962
85°	15599

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 81156 cd/sqm

TEST NUMBER: P1258533

CATALOG NUMBER: P3AS24R459040D010 E3DLD1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.3	8.8
10°-20°	397.2	22.0
20°-30°	471.9	26.2
30°-40°	410.0	22.8
40°-50°	205.6	11.4
50°-60°	71.4	4.0
60°-70°	50.1	2.8
70°-80°	28.0	1.6
80°-90°	8.5	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°	1028.4	57.1
0°-40°	1438.5	79.8
0°-60°	1715.5	95.2
0°-90°	1802.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1802.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1742	
5°	1705	159
15°	1427	397
25°	1028	472
35°	664	410
45°	262	206
55°	77	71
65°	50	50
75°	27	28
85°	6	8
90°	0	

TEST NUMBER: P1258533

CATALOG NUMBER: P3AS24R459040D010 E3DLD1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	1742.4
2.5°	1734.0
5°	1705.0
7.5°	1659.3
10°	1594.9
12.5°	1516.0
15°	1426.7
17.5°	1327.0
20°	1227.3
22.5°	1125.6
25°	1028.0
27.5°	934.5
30°	843.1
32.5°	755.9
35°	664.5
37.5°	566.9
40°	463.1
42.5°	361.3
45°	261.7
47.5°	172.4
50°	110.1
52.5°	85.1
55°	76.8
57.5°	70.6
60°	64.4
62.5°	58.1
65°	49.8
67.5°	43.6
70°	37.4
72.5°	31.2
75°	27.0
77.5°	20.8
80°	16.6
82.5°	12.5
85°	6.2
87.5°	4.2
90°	0.0

(END OF REPORT)