

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: P1246297

Luminaire Tested: P3A05R659024DE010 E3D1LI

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R659024DE010 E3D1LI
Description: 3in Adjustable LED luminaire with, R65 optic, 2400K CCT AND, 90CRI , E3D1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

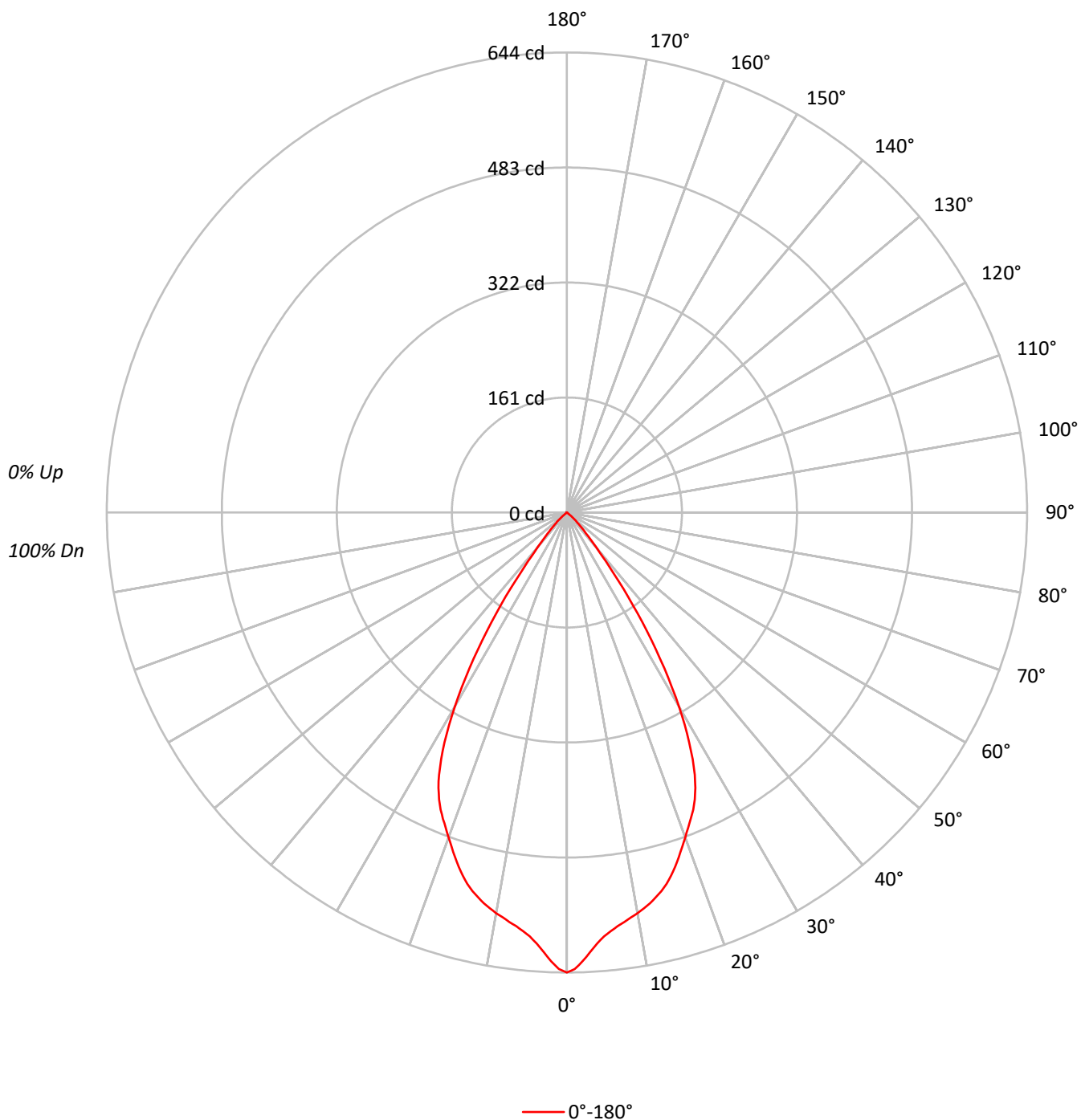
Lumens per Lamp: N/A
Luminaire Lumens: 526.9 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1246297

CATALOG NUMBER: P3A05R659024DE010 E3D1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1246297

CATALOG NUMBER: P3A05R659024DE010 E3D1LI

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	114	111	109	106	111	109	107	105	105	103	102		101	100	99		98
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93
3	103	97	92	88	101	95	91	88	93	89	86		90	87	85		88
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84
5	93	85	79	75	92	84	79	75	82	78	74		81	77	74		79
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75
7	84	75	70	65	83	75	69	65	73	69	65		72	68	65		71
8	80	71	65	61	79	71	65	61	69	64	61		68	64	61		68
9	77	67	61	58	76	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	57	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	141217
5°	131124
10°	126807
15°	122203
20°	112966
25°	102925
30°	79531
35°	46097
40°	18291
45°	7784
50°	1842
55°	229
60°	175
65°	104
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7784 cd/sqm

TEST NUMBER: P1246297

CATALOG NUMBER: P3A05R659024DE010 E3D1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.2	10.7
10°-20°	150.0	28.5
20°-30°	189.8	36.0
30°-40°	108.1	20.5
40°-50°	21.5	4.1
50°-60°	1.1	0.2
60°-70°	0.3	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	396.0	75.2
0°-40°	504.1	95.7
0°-60°	526.6	99.9
0°-90°	526.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	526.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	644	
5°	596	56
15°	538	150
25°	425	190
35°	172	108
45°	25	21
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1246297

CATALOG NUMBER: P3A05R659024DE010 E3D1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	644.0
1°	639.2
2°	628.8
3°	616.7
4°	604.8
5°	595.7
6°	589.0
7°	583.5
8°	578.8
9°	574.0
10°	569.5
11°	564.5
12°	559.3
13°	553.0
14°	546.3
15°	538.3
16°	528.7
17°	518.3
18°	507.1
19°	495.2
20°	484.1
21°	472.9
22°	462.7
23°	452.1
24°	439.7
25°	425.4
26°	408.3
27°	387.7
28°	364.6
29°	339.9
30°	314.1
31°	285.7
32°	257.5
32.5°	243.0
33°	229.0
34°	200.4
35°	172.2
36°	146.2
37°	120.4
37.5°	107.2
38°	96.6
39°	78.2
40°	63.9
42.5°	39.4
45°	25.1

TEST NUMBER: P1246297

CATALOG NUMBER: P3A05R659024DE010 E3D1LI

CANDELA DISTRIBUTION (continued):

	0°
47.5°	14.7
50°	5.4
52.5°	1.1
55°	0.6
57.5°	0.4
60°	0.4
62.5°	0.4
65°	0.2
67.5°	0.2
70°	0.2
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)