

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: P1290629

Luminaire Tested: P3A05R60W2N902750DE010 E3D1H_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1290629
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R60W2N902750DE010 E3D1H_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , E3D1H TRIM
Light Source: -
Ballast/Driver: -

Summary

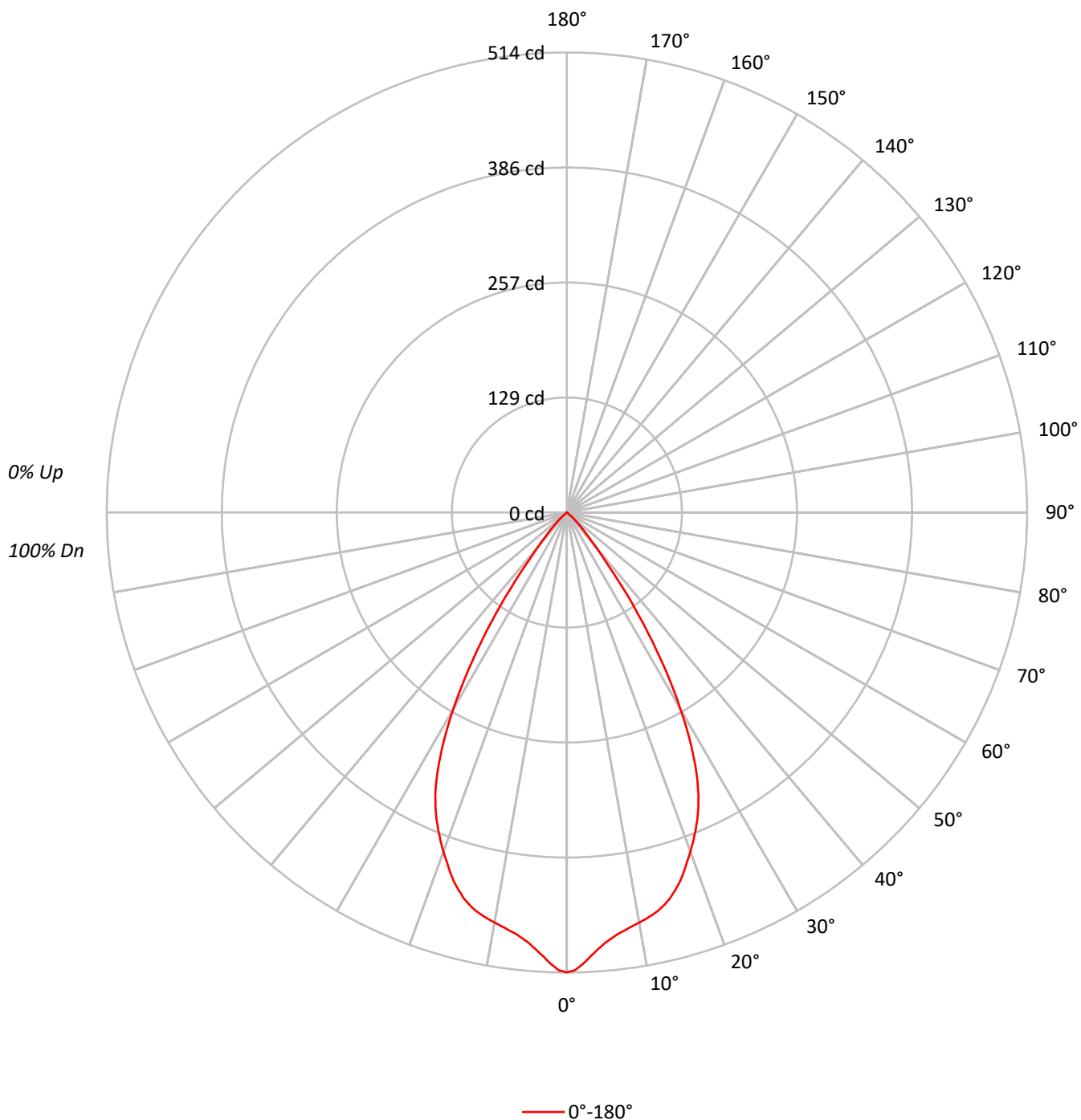
Lumens per Lamp: N/A
Luminaire Lumens: 430.0 lumens
Efficiency: N/A
Efficacy: 72.9 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.88
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1290629

CATALOG NUMBER: P3A05R60W2N902750DE010 E3D1H_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1290629

CATALOG NUMBER: P3A05R60W2N902750DE010 E3D1H_2700K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10		0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102		100
1	114	111	109	106	111	109	107	105	105	103	102		101	100	99		98	97	96		94
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89		88
3	103	97	92	88	101	96	91	88	93	89	86		91	87	85		88	86	84		82
4	98	91	85	81	96	90	85	81	88	83	80		86	82	79		84	81	78		77
5	93	85	80	75	92	84	79	75	83	78	74		81	77	74		79	76	73		72
6	89	80	74	70	87	79	74	70	78	73	70		77	72	69		75	71	69		67
7	85	76	70	66	83	75	69	65	74	69	65		72	68	65		71	67	64		63
8	81	71	65	61	79	71	65	61	70	65	61		69	64	61		68	64	61		59
9	77	67	62	58	76	67	61	58	66	61	57		65	61	57		64	60	57		56
10	73	64	58	54	72	63	58	54	63	58	54		62	57	54		61	57	54		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	112666
5°	106361
10°	103605
15°	101226
20°	94112
25°	84150
30°	64263
35°	37102
40°	14398
45°	5985
50°	1330
55°	191
60°	175
65°	104
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5985 cd/sqm

TEST NUMBER: P1290629

CATALOG NUMBER: P3A05R60W2N902750DE010 E3D1H_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.6	10.6
10°-20°	124.2	28.9
20°-30°	155.6	36.2
30°-40°	87.0	20.2
40°-50°	16.5	3.8
50°-60°	0.9	0.2
60°-70°	0.2	0.1
70°-80°	0.1	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°	325.4	75.7
0°-40°	412.4	95.9
0°-60°	429.7	99.9
0°-90°	430.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	430.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	514	
5°	483	46
15°	446	124
25°	348	156
35°	139	87
45°	19	17
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1290629

CATALOG NUMBER: P3A05R60W2N902750DE010 E3D1H_2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	513.8
1°	511.7
2°	505.0
3°	497.1
4°	489.7
5°	483.2
6°	478.3
7°	474.0
8°	470.9
9°	467.9
10°	465.3
11°	462.6
12°	459.6
13°	455.9
14°	451.5
15°	445.9
16°	439.0
17°	431.3
18°	422.5
19°	412.5
20°	403.3
21°	393.5
22°	383.3
23°	372.6
24°	360.8
25°	347.8
26°	332.4
27°	315.4
28°	296.2
29°	275.8
30°	253.8
31°	231.7
32°	208.8
32.5°	196.3
33°	185.0
34°	161.7
35°	138.6
36°	117.9
37°	95.9
37.5°	85.8
38°	76.0
39°	61.2
40°	50.3
42.5°	30.6
45°	19.3



TEST NUMBER: P1290629

CATALOG NUMBER: P3A05R60W2N902750DE010 E3D1H_2700K

CANDELA DISTRIBUTION (continued):

	0°
47.5°	10.7
50°	3.9
52.5°	0.9
55°	0.5
57.5°	0.4
60°	0.4
62.5°	0.2
65°	0.2
67.5°	0.2
70°	0.2
72.5°	0.2
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)