

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: P1269222

Luminaire Tested: P3A05R659740DE010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1269222
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R659740DE010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R65 optic, 4000K CCT AND, 97CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

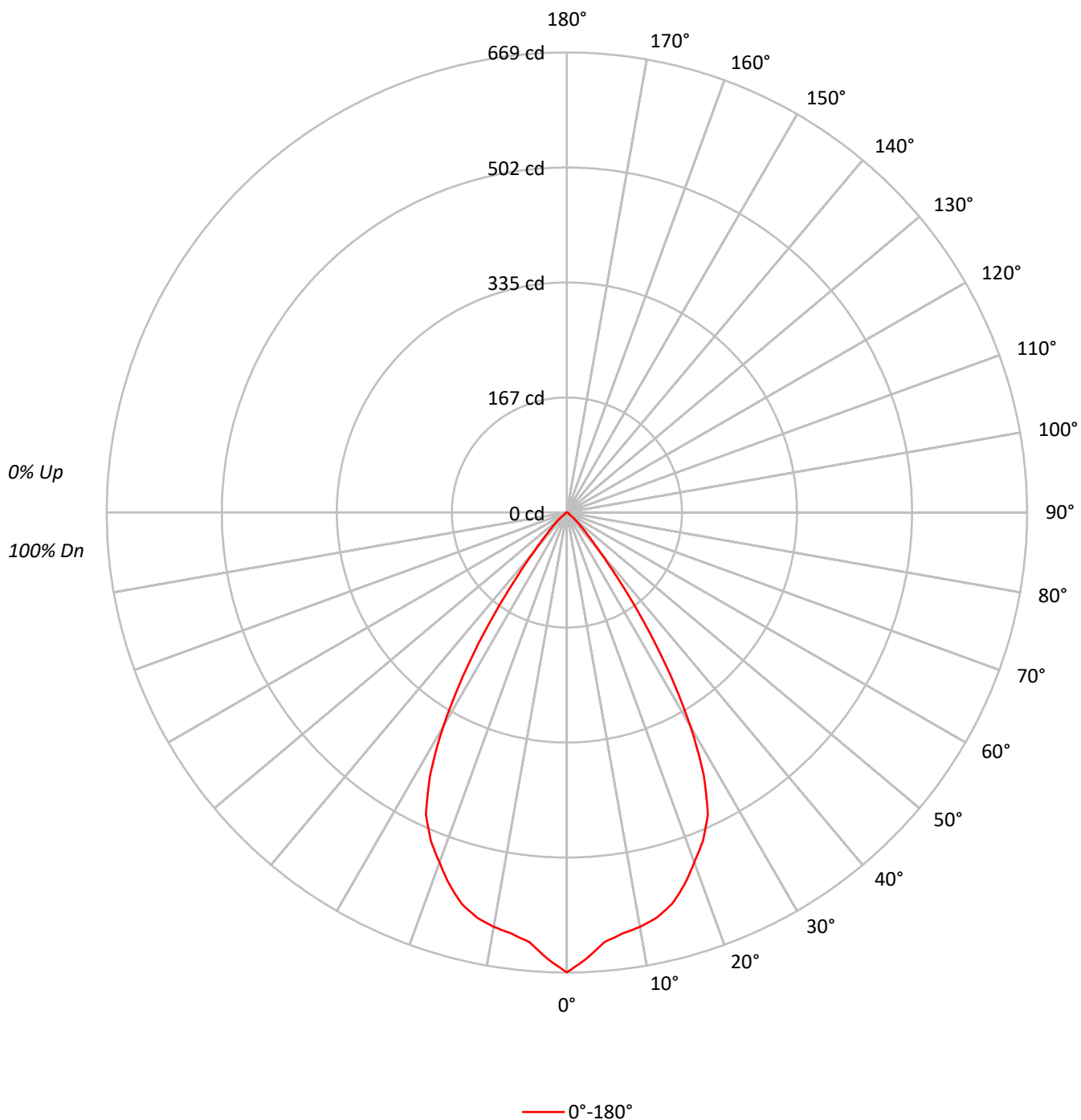
Lumens per Lamp: N/A
Luminaire Lumens: 600.0 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.9
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	101	98	95	98	95	93		95	93	91		92
3	103	96	91	87	101	95	90	87	92	88	85		90	87	84		87
4	97	90	84	80	96	89	84	80	87	82	79		85	81	78		83
5	93	84	78	74	91	83	78	74	82	77	73		80	76	73		78
6	88	79	73	69	86	78	73	69	77	72	68		75	71	68		74
7	84	74	68	64	82	74	68	64	72	67	64		71	67	63		70
8	80	70	64	60	78	69	64	60	68	63	60		67	63	59		66
9	76	66	60	56	75	66	60	56	65	60	56		64	59	56		63
10	72	63	57	53	71	62	57	53	61	56	53		60	56	53		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	146633
5°	137992
10°	136248
15°	133849
20°	126361
25°	117297
30°	91179
35°	52735
40°	21240
45°	9768
50°	3821
55°	1491
60°	1272
65°	1245
70°	1218
75°	1271
80°	1263
85°	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 9768 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.6	9.9
10°-20°	164.6	27.4
20°-30°	215.5	35.9
30°-40°	124.8	20.8
40°-50°	26.7	4.5
50°-60°	4.4	0.7
60°-70°	2.4	0.4
70°-80°	1.4	0.2
80°-90°	0.5	0.1
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°	439.8	73.3
0°-40°	564.6	94.1
0°-60°	595.7	99.3
0°-90°	600.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	600.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	669	
5°	627	60
15°	590	165
25°	485	216
35°	197	125
45°	32	27
55°	4	4
65°	2	2
75°	2	1
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	668.7
2.5°	649.7
5°	626.9
7.5°	617.7
10°	611.9
12.5°	603.6
15°	589.6
17.5°	567.7
20°	541.5
22.5°	516.8
25°	484.8
27.5°	430.9
30°	360.1
32.5°	279.0
35°	197.0
37.5°	124.7
40°	74.2
42.5°	46.6
45°	31.5
47.5°	20.4
50°	11.2
52.5°	5.3
55°	3.9
57.5°	3.4
60°	2.9
62.5°	2.9
65°	2.4
67.5°	1.9
70°	1.9
72.5°	1.5
75°	1.5
77.5°	1.0
80°	1.0
82.5°	0.5
85°	0.5
87.5°	0.5
90°	0.0

(END OF REPORT)