

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: P1273478

Luminaire Tested: P3A05R559830DE010 E3DLD1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1273478
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R559830DE010 E3DLD1H
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 98CRI , E3DLD1H TRIM
Light Source: -
Ballast/Driver: -

Summary

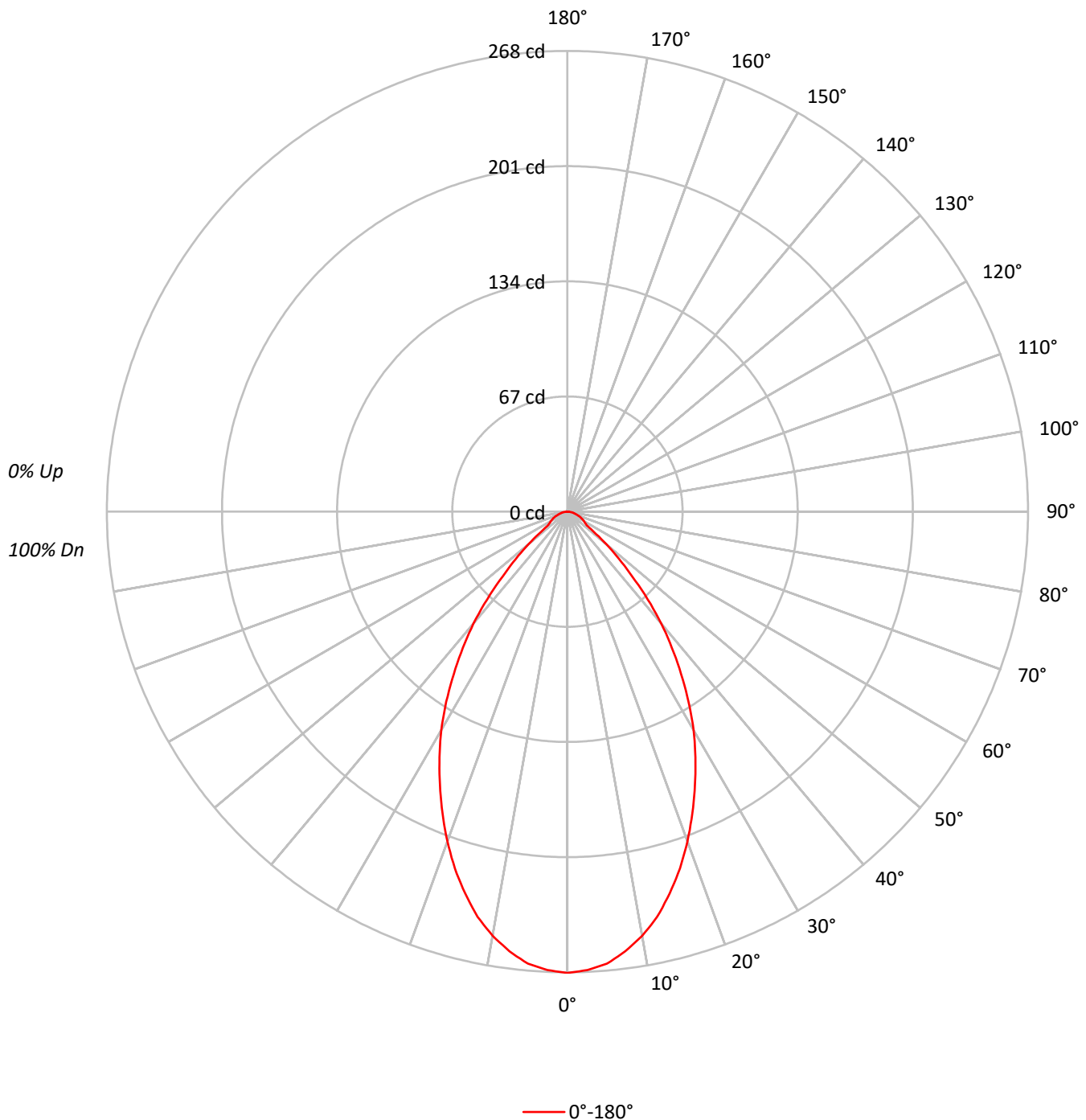
Lumens per Lamp: N/A
Luminaire Lumens: 313.0 lumens
Efficiency: N/A
Efficacy: 43.5 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	112	109	106	103	110	107	104	102	103	100	98		99	97	96		95
2	105	100	95	91	103	98	93	90	94	91	88		91	88	86		89
3	99	91	85	81	97	90	84	80	87	82	79		85	81	77		82
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		76
5	87	77	71	66	85	76	70	65	75	69	65		73	68	64		71
6	82	72	65	60	80	71	64	60	69	64	59		68	63	59		66
7	77	67	60	55	76	66	59	55	65	59	54		63	58	54		62
8	73	62	55	51	72	62	55	51	60	55	50		59	54	50		58
9	69	58	51	47	68	58	51	47	57	51	47		56	50	46		55
10	65	55	48	44	64	54	48	44	53	47	43		52	47	43		52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	58855
5°	58111
10°	55799
15°	52191
20°	47627
25°	42486
30°	37170
35°	30865
40°	24331
45°	16498
50°	10098
55°	5238
60°	4868
65°	4618
70°	4296
75°	3728
80°	3788
85°	2768

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16498 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.8	7.9
10°-20°	64.3	20.5
20°-30°	80.5	25.7
30°-40°	71.8	22.9
40°-50°	42.1	13.4
50°-60°	14.5	4.6
60°-70°	8.8	2.8
70°-80°	4.9	1.6
80°-90°	1.4	0.4
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°	169.5	54.2
0°-40°	241.3	77.1
0°-60°	297.9	95.2
0°-90°	313.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	313.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	268	
5°	264	25
15°	230	64
25°	176	80
35°	115	72
45°	53	42
55°	14	15
65°	9	9
75°	4	5
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	268.4
2.5°	266.9
5°	264.0
7.5°	258.0
10°	250.6
12.5°	241.4
15°	229.9
17.5°	217.7
20°	204.1
22.5°	190.0
25°	175.6
27.5°	161.2
30°	146.8
32.5°	131.2
35°	115.3
37.5°	99.8
40°	85.0
42.5°	69.1
45°	53.2
47.5°	40.7
50°	29.6
52.5°	19.2
55°	13.7
57.5°	12.2
60°	11.1
62.5°	10.0
65°	8.9
67.5°	7.8
70°	6.7
72.5°	5.5
75°	4.4
77.5°	3.7
80°	3.0
82.5°	1.8
85°	1.1
87.5°	0.7
90°	0.0

(END OF REPORT)