

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: P1270455

Luminaire Tested: P3A20R159740D010 E3DL1WH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270455
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R159740D010 E3DL1WH
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , E3DL1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

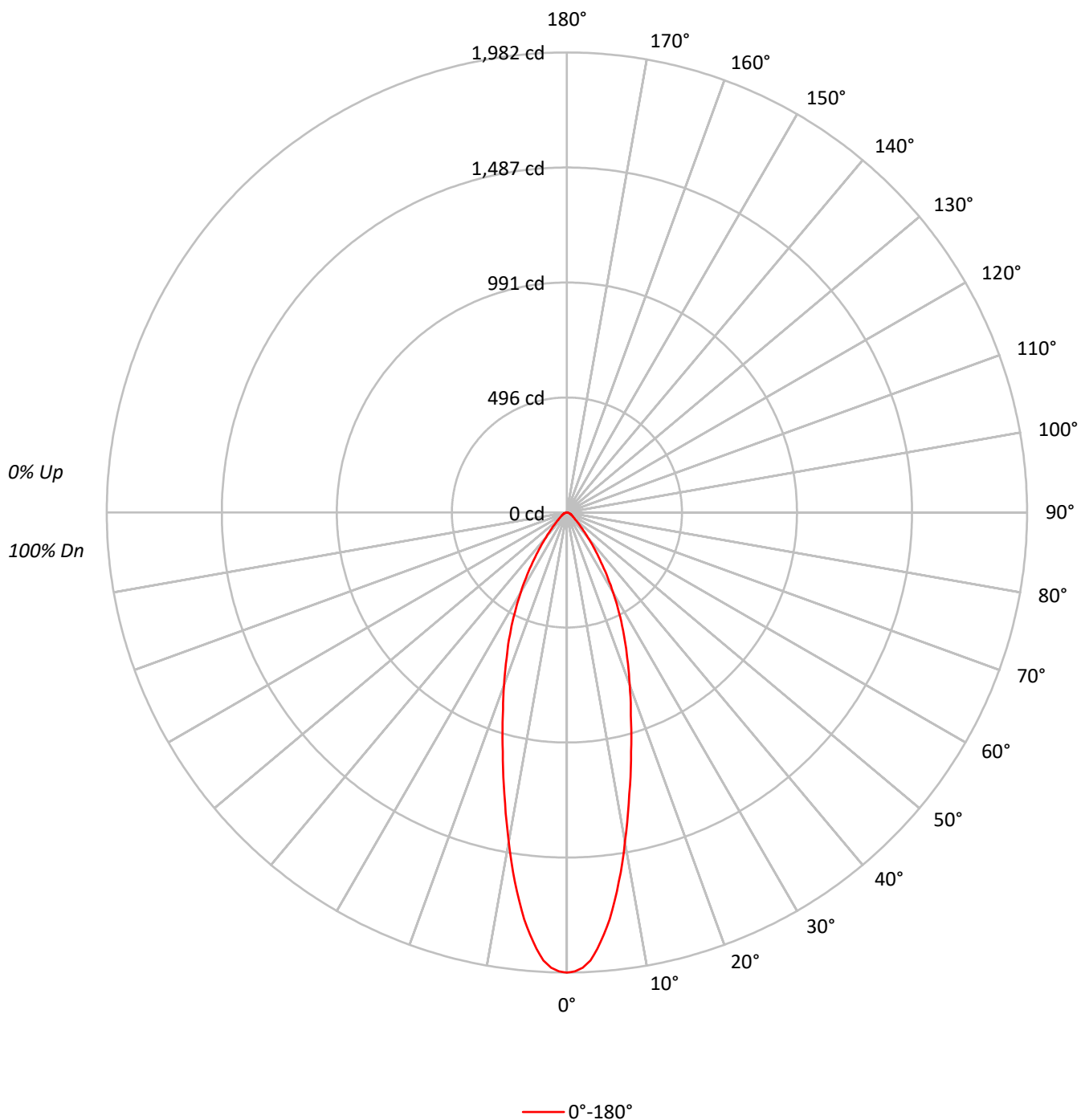
Lumens per Lamp: N/A
Luminaire Lumens: 1008.0 lumens
Efficiency: N/A
Efficacy: 35.0 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.61
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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	113	110	108	106	111	108	106	104	104	102	101		100	99	98		97
2	108	103	98	95	105	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	90	84	80	95	88	83	79	86	82	78		84	81	78		82
5	93	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	87	79	73	69	77	72	69		76	71	68		74
7	84	75	69	65	83	74	69	65	73	68	64		72	67	64		71
8	80	71	65	61	79	71	65	61	69	64	61		68	64	61		67
9	77	68	62	58	76	67	62	58	66	61	58		65	61	57		64
10	74	64	59	55	73	64	59	55	63	58	55		62	58	55		62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	434680
5°	401738
10°	320747
15°	242272
20°	184489
25°	140597
30°	100724
35°	65718
40°	40304
45°	24375
50°	16204
55°	12501
60°	10789
65°	9340
70°	8399
75°	8303
80°	6188
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24375 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.7	16.0
10°-20°	298.3	29.6
20°-30°	265.6	26.3
30°-40°	157.1	15.6
40°-50°	64.5	6.4
50°-60°	30.3	3.0
60°-70°	18.4	1.8
70°-80°	9.7	1.0
80°-90°	2.4	0.2
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°	725.6	72.0
0°-40°	882.7	87.6
0°-60°	977.5	97.0
0°-90°	1008.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1008.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1982	
5°	1825	162
15°	1067	298
25°	581	266
35°	246	157
45°	79	65
55°	33	30
65°	18	18
75°	10	10
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1982.3
1°	1977.4
2°	1962.6
3°	1933.2
4°	1884.1
5°	1825.1
6°	1761.3
7°	1686.0
8°	1607.4
9°	1527.2
10°	1440.5
12.5°	1242.4
15°	1067.2
17.5°	916.7
20°	790.6
22.5°	679.3
25°	581.1
27.5°	486.2
30°	397.8
32.5°	317.6
35°	245.5
37.5°	188.2
40°	140.8
42.5°	104.8
45°	78.6
47.5°	60.6
50°	47.5
52.5°	39.3
55°	32.7
57.5°	27.8
60°	24.6
62.5°	21.3
65°	18.0
67.5°	16.4
70°	13.1
72.5°	11.5
75°	9.8
77.5°	6.5
80°	4.9
82.5°	3.3
85°	1.6
87.5°	1.6
90°	0.0

(END OF REPORT)