

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: P1265902

Luminaire Tested: P3A20R509730D010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1265902
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R509730D010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 97CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

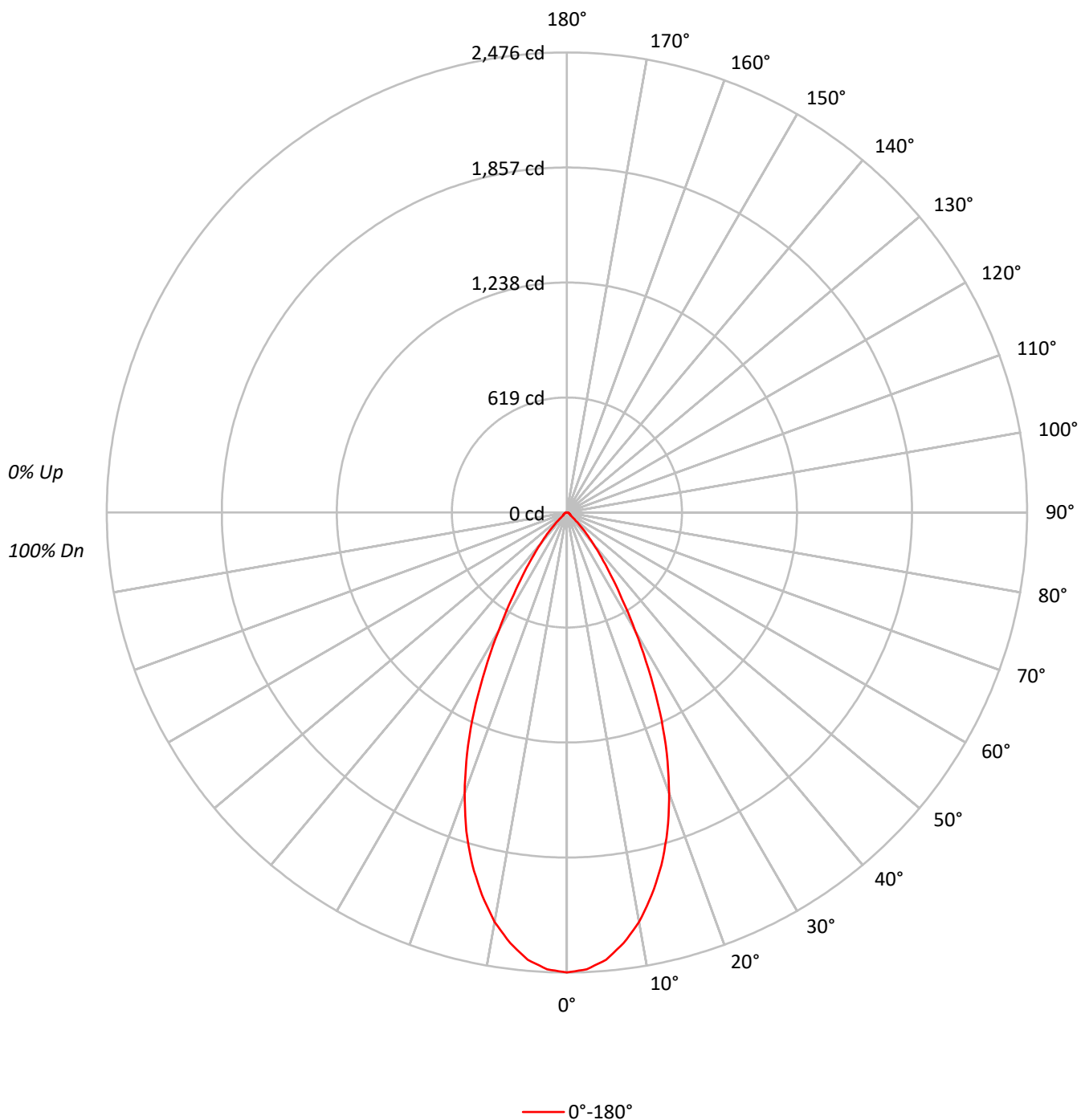
Lumens per Lamp: N/A
Luminaire Lumens: 1705.0 lumens
Efficiency: N/A
Efficacy: 59.2 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88
4	98	91	85	81	96	90	85	81	87	83	80		85	82	79		84
5	93	85	80	75	92	84	79	75	83	78	74		81	77	74		79
6	89	80	75	71	88	80	74	70	78	73	70		77	73	69		75
7	85	76	70	66	84	75	70	66	74	69	66		73	69	65		72
8	81	72	66	62	80	71	66	62	70	65	62		69	65	62		68
9	78	68	63	59	76	68	62	59	67	62	59		66	62	58		65
10	74	65	59	56	73	65	59	56	64	59	55		63	58	55		62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	542851
5°	531894
10°	498209
15°	446018
20°	375326
25°	286468
30°	186155
35°	110370
40°	63777
45°	31972
50°	11906
55°	9290
60°	8640
65°	7887
70°	7758
75°	7710
80°	7703
85°	7548

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31972 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.8	13.2
10°-20°	543.3	31.9
20°-30°	533.0	31.3
30°-40°	268.5	15.7
40°-50°	84.9	5.0
50°-60°	22.0	1.3
60°-70°	15.6	0.9
70°-80°	9.6	0.6
80°-90°	3.3	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°	1301.2	76.3
0°-40°	1569.7	92.1
0°-60°	1676.5	98.3
0°-90°	1705.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1705.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2476	
5°	2416	225
15°	1965	543
25°	1184	533
35°	412	269
45°	103	85
55°	24	22
65°	15	16
75°	9	10
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	2475.6
2.5°	2460.4
5°	2416.4
7.5°	2337.6
10°	2237.5
12.5°	2108.7
15°	1964.7
17.5°	1797.9
20°	1608.4
22.5°	1403.8
25°	1184.0
27.5°	950.5
30°	735.2
32.5°	553.3
35°	412.3
37.5°	304.7
40°	222.8
42.5°	157.7
45°	103.1
47.5°	59.1
50°	34.9
52.5°	25.8
55°	24.3
57.5°	21.2
60°	19.7
62.5°	18.2
65°	15.2
67.5°	13.6
70°	12.1
72.5°	10.6
75°	9.1
77.5°	7.6
80°	6.1
82.5°	4.5
85°	3.0
87.5°	1.5
90°	0.0

(END OF REPORT)