

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: P1263356

Luminaire Tested: P3A20R209727D010 E3DLD1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263356
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R209727D010 E3DLD1WMH
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , E3DLD1WMH TRIM
Light Source: -
Ballast/Driver: -

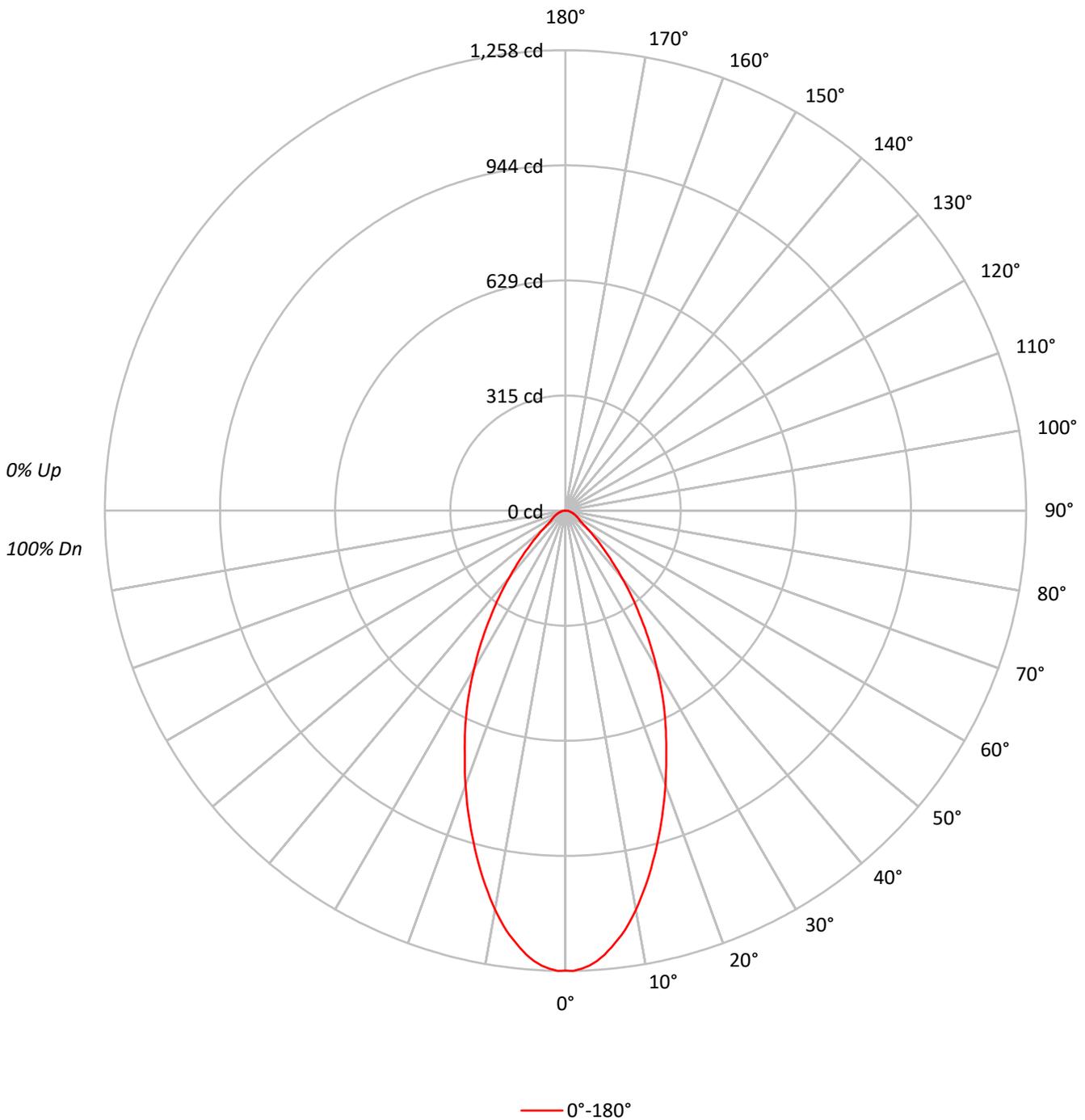
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1114.0 lumens
Efficiency: N/A
Efficacy: 38.7 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.83
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
Input Voltage (V): NR
Input Current (A_{in}): 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			0	
RW	70	50	30	10	70	50	30	10	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			100
1	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91			91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	90	87	85	83			83
3	100	93	87	82	98	91	86	82	88	84	80	86	82	79	84	81	78	76			76
4	94	86	79	75	92	85	79	74	82	77	73	80	76	72	78	75	72	70			70
5	89	80	73	68	87	79	73	68	77	71	67	75	70	67	73	69	66	65			65
6	84	74	68	63	82	73	67	63	72	66	62	70	65	62	69	65	61	60			60
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	60	57	55			55
8	75	65	59	54	74	64	58	54	63	58	54	62	57	53	61	57	53	52			52
9	72	61	55	50	70	61	55	50	60	54	50	59	54	50	58	53	50	48			48
10	68	58	51	47	67	57	51	47	56	51	47	56	51	47	55	50	47	45			45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	275548
5°	268192
10°	246711
15°	217164
20°	186240
25°	156469
30°	126475
35°	96209
40°	68471
45°	45214
50°	28008
55°	18389
60°	16753
65°	15410
70°	14490
75°	13217
80°	12502
85°	10567

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 45214 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.7	10.1
10°-20°	266.3	23.9
20°-30°	295.6	26.5
30°-40°	225.5	20.2
40°-50°	115.5	10.4
50°-60°	47.4	4.3
60°-70°	29.6	2.7
70°-80°	16.6	1.5
80°-90°	4.8	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°	674.6	60.6
0°-40°	900.1	80.8
0°-60°	1063.0	95.4
0°-90°	1114.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1114.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1257	
5°	1218	113
15°	957	266
25°	647	296
35°	359	225
45°	146	115
55°	48	47
65°	30	30
75°	16	17
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1256.6
1°	1258.0
2°	1252.4
3°	1245.3
4°	1234.0
5°	1218.4
6°	1200.0
7°	1180.2
8°	1159.0
9°	1133.5
10°	1108.0
12.5°	1034.4
15°	956.6
17.5°	877.4
20°	798.1
22.5°	718.9
25°	646.7
27.5°	574.5
30°	499.5
32.5°	428.8
35°	359.4
37.5°	298.6
40°	239.2
42.5°	188.2
45°	145.8
47.5°	110.4
50°	82.1
52.5°	60.8
55°	48.1
57.5°	43.9
60°	38.2
62.5°	34.0
65°	29.7
67.5°	25.5
70°	22.6
72.5°	18.4
75°	15.6
77.5°	12.7
80°	9.9
82.5°	7.1
85°	4.2
87.5°	1.4
90°	0.0

(END OF REPORT)