

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: P1265908

Luminaire Tested: P3A20R509730D010 E3DLD1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1265908
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-30)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R509730D010 E3DLD1WMH
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 97CRI , E3DLD1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

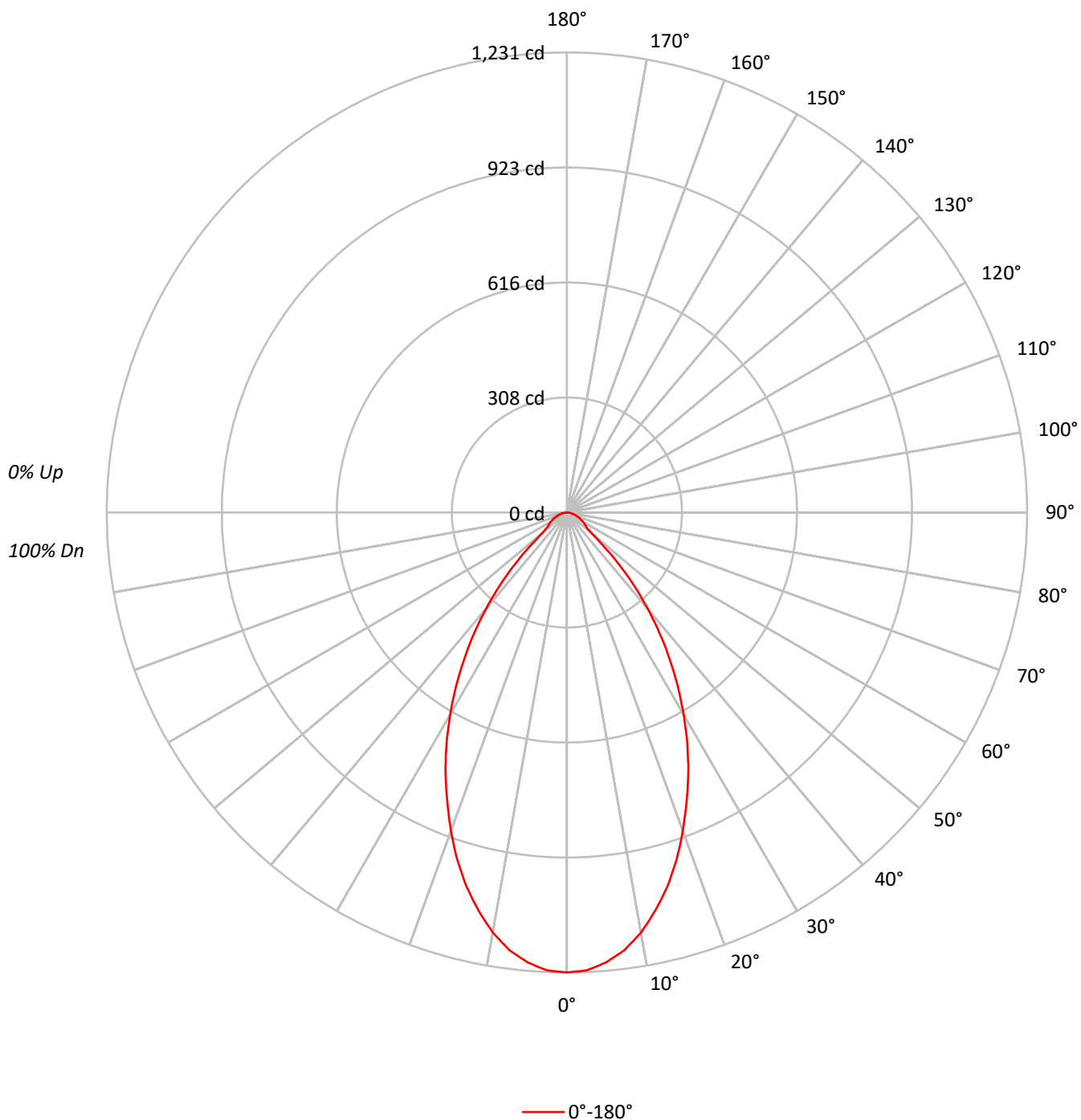
Lumens per Lamp: N/A
Luminaire Lumens: 1328.0 lumens
Efficiency: N/A
Efficacy: 46.1 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	85	78	73	91	83	77	73	81	76	72		79	75	71		77
5	88	78	72	67	86	77	71	66	75	70	66		74	69	65		72
6	83	73	66	61	81	72	65	61	70	65	60		69	64	60		67
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63
8	74	63	57	52	73	63	56	52	61	56	52		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	52	48		56
10	66	56	49	45	65	55	49	45	54	49	45		54	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	269869
5°	265903
10°	254126
15°	235348
20°	211512
25°	185914
30°	158126
35°	128225
40°	96323
45°	62053
50°	29475
55°	23168
60°	21928
65°	20443
70°	18465
75°	16691
80°	15280
85°	15347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 62053 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.2	8.5
10°-20°	289.0	21.8
20°-30°	351.2	26.4
30°-40°	297.8	22.4
40°-50°	154.7	11.7
50°-60°	55.8	4.2
60°-70°	38.6	2.9
70°-80°	21.0	1.6
80°-90°	6.6	0.5
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°	753.5	56.7
0°-40°	1051.3	79.2
0°-60°	1261.8	95.0
0°-90°	1328.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1328.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1231	
5°	1208	113
15°	1037	289
25°	768	351
35°	479	298
45°	200	155
55°	61	56
65°	39	39
75°	20	21
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1230.7
2.5°	1226.2
5°	1208.0
7.5°	1180.7
10°	1141.3
12.5°	1091.3
15°	1036.7
17.5°	974.6
20°	906.4
22.5°	836.7
25°	768.4
27.5°	697.2
30°	624.5
32.5°	551.7
35°	479.0
37.5°	407.7
40°	336.5
42.5°	268.3
45°	200.1
47.5°	133.4
50°	86.4
52.5°	66.7
55°	60.6
57.5°	54.6
60°	50.0
62.5°	44.0
65°	39.4
67.5°	33.3
70°	28.8
72.5°	24.3
75°	19.7
77.5°	15.2
80°	12.1
82.5°	9.1
85°	6.1
87.5°	3.0
90°	0.0

(END OF REPORT)