

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: P1247735

Luminaire Tested: P3A20R509024D010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247735
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: P3A20R509024D010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

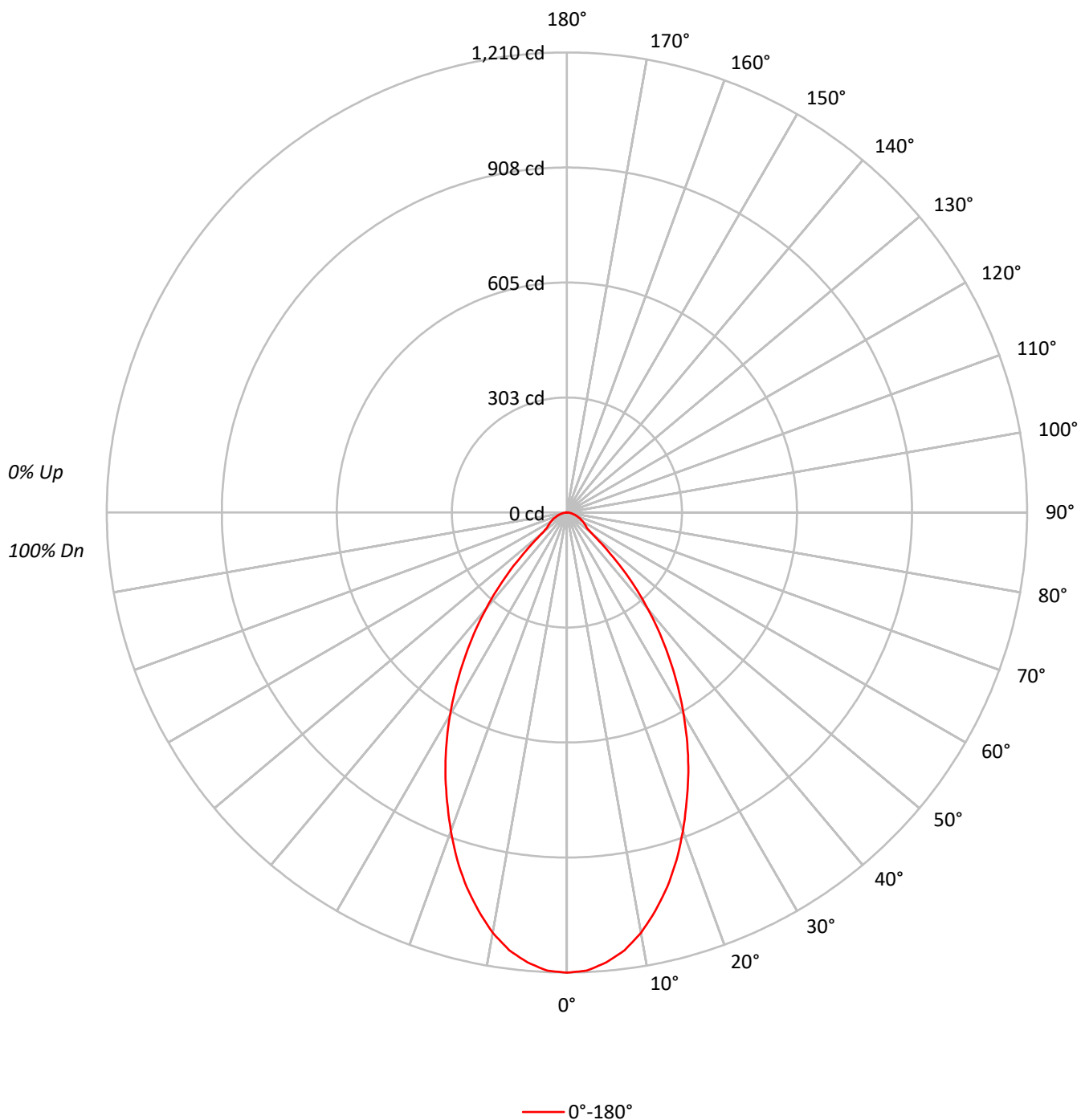
Lumens per Lamp: N/A
Luminaire Lumens: 1306.0 lumens
Efficiency: N/A
Efficacy: 45.3 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.93
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	265395
5°	261501
10°	249917
15°	231443
20°	208011
25°	182841
30°	155492
35°	126083
40°	94720
45°	61030
50°	28997
55°	22785
60°	21577
65°	20132
70°	18144
75°	16436
80°	15027
85°	15096

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 61030 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.4	8.5
10°-20°	284.3	21.8
20°-30°	345.4	26.4
30°-40°	292.9	22.4
40°-50°	152.2	11.7
50°-60°	54.9	4.2
60°-70°	38.0	2.9
70°-80°	20.6	1.6
80°-90°	6.5	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°	741.0	56.7
0°-40°	1033.9	79.2
0°-60°	1240.9	95.0
0°-90°	1306.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1306.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1210	
5°	1188	111
15°	1020	284
25°	756	345
35°	471	293
45°	197	152
55°	60	55
65°	39	38
75°	19	21
85°	6	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1210.3
2.5°	1205.9
5°	1188.0
7.5°	1161.2
10°	1122.4
12.5°	1073.2
15°	1019.5
17.5°	958.4
20°	891.4
22.5°	822.8
25°	755.7
27.5°	685.7
30°	614.1
32.5°	542.6
35°	471.0
37.5°	401.0
40°	330.9
42.5°	263.8
45°	196.8
47.5°	131.2
50°	85.0
52.5°	65.6
55°	59.6
57.5°	53.7
60°	49.2
62.5°	43.2
65°	38.8
67.5°	32.8
70°	28.3
72.5°	23.8
75°	19.4
77.5°	14.9
80°	11.9
82.5°	8.9
85°	6.0
87.5°	3.0
90°	0.0

(END OF REPORT)