

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: P1263333

Luminaire Tested: P3A20R159727D010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263333
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R159727D010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

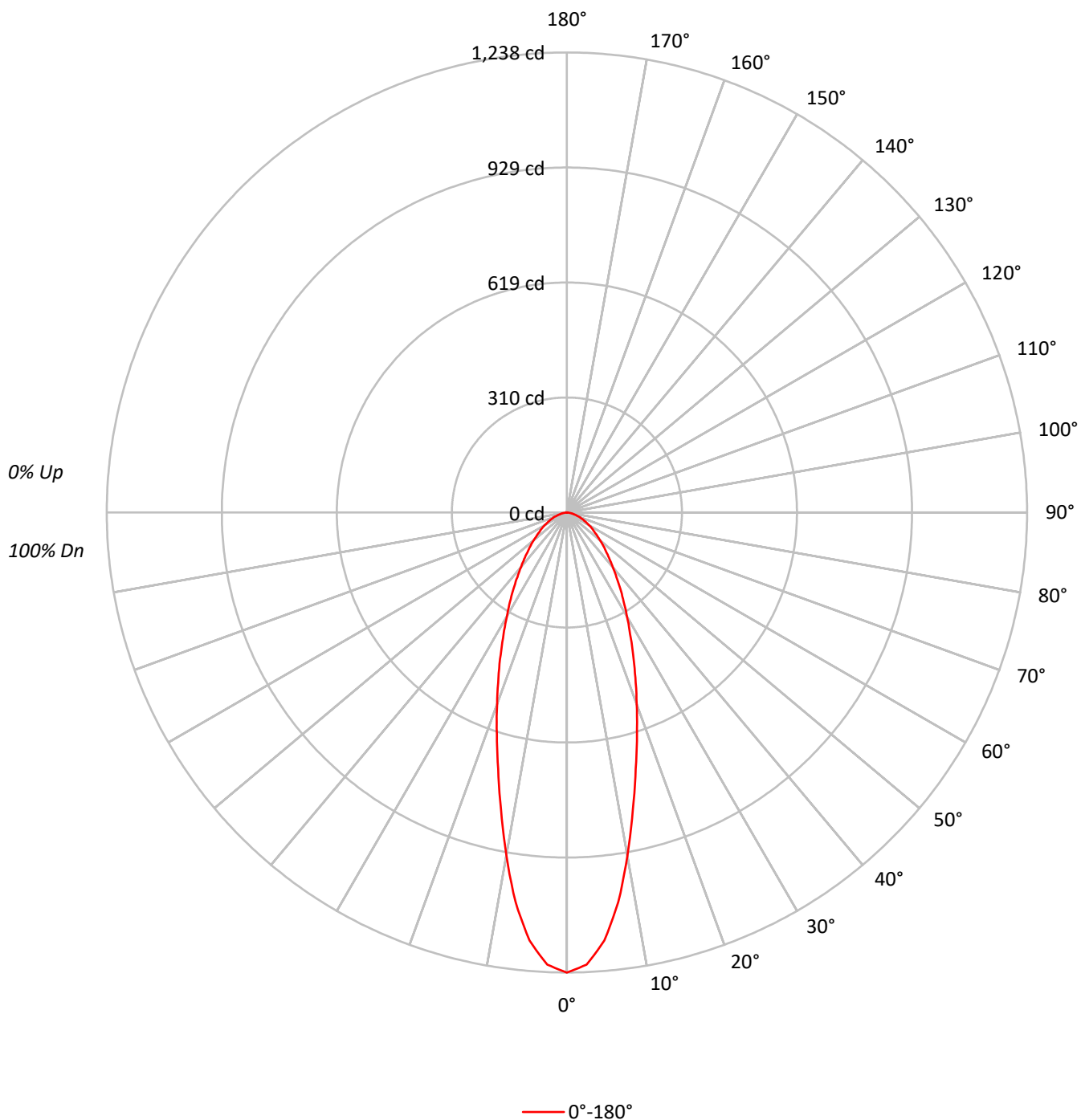
Lumens per Lamp: N/A
Luminaire Lumens: 933.0 lumens
Efficiency: N/A
Efficacy: 32.4 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	108	105	102	109	106	103	101	102	100	97		98	96	95		95
2	104	98	93	89	102	97	92	88	93	89	86		90	87	84		87
3	98	90	84	79	96	88	83	78	85	81	77		83	79	75		81
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		70
6	81	70	63	58	79	70	63	58	68	62	58		67	61	57		65
7	77	66	59	54	75	65	58	54	64	58	53		62	57	53		61
8	72	61	55	50	71	61	54	50	60	54	49		59	53	49		58
9	69	58	51	47	68	57	51	46	56	50	46		55	50	46		54
10	65	54	48	44	64	54	48	44	53	47	43		52	47	43		52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	271513
5°	254523
10°	208702
15°	162135
20°	127994
25°	102006
30°	81886
35°	66843
40°	55075
45°	46330
50°	39811
55°	34407
60°	30524
65°	26566
70°	23594
75°	19063
80°	15532
85°	10315

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 46330 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.3	11.1
10°-20°	200.1	21.4
20°-30°	194.5	20.8
30°-40°	157.2	16.8
40°-50°	116.7	12.5
50°-60°	81.5	8.7
60°-70°	51.1	5.5
70°-80°	24.3	2.6
80°-90°	4.4	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°	497.8	53.4
0°-40°	655.0	70.2
0°-60°	853.2	91.4
0°-90°	933.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	933.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1238	
5°	1156	103
15°	714	200
25°	422	194
35°	250	157
45°	149	117
55°	90	82
65°	51	51
75°	22	24
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1238.2
2.5°	1217.7
5°	1156.3
7.5°	1058.1
10°	937.3
12.5°	818.6
15°	714.2
17.5°	626.2
20°	548.5
22.5°	480.9
25°	421.6
27.5°	368.4
30°	323.4
32.5°	284.5
35°	249.7
37.5°	219.0
40°	192.4
42.5°	169.9
45°	149.4
47.5°	133.0
50°	116.7
52.5°	102.3
55°	90.0
57.5°	79.8
60°	69.6
62.5°	59.4
65°	51.2
67.5°	43.0
70°	36.8
72.5°	28.7
75°	22.5
77.5°	16.4
80°	12.3
82.5°	6.1
85°	4.1
87.5°	0.0
90°	0.0

(END OF REPORT)