

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: P1314837

Luminaire Tested: P3SQAS02R209740DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314837
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R209740DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

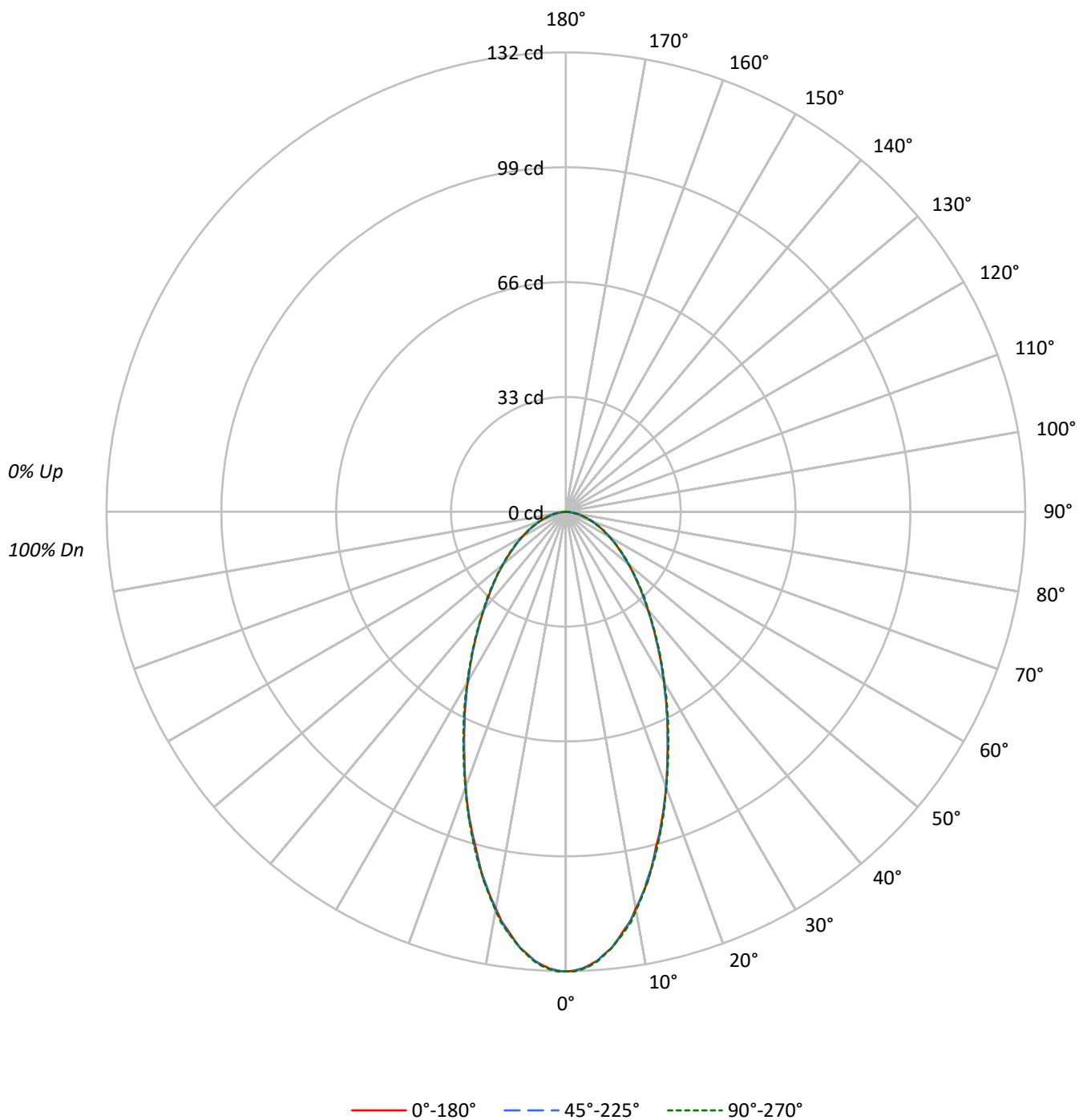
Lumens per Lamp: N/A
Luminaire Lumens: 158.0 lumens
Efficiency: N/A
Efficacy: 43.9 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	111	107	104	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	91	86	100	94	89	85	91	87	83		88	84	81		85
3	96	87	80	75	93	85	79	74	82	77	73		80	75	72		77
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71
5	83	72	64	59	81	71	64	59	69	63	58		67	62	57		65
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53
9	65	53	46	41	63	52	46	41	51	45	41		50	45	40		49
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22751	22751	22751
5°	22060	22060	22094
10°	20251	20304	20338
15°	17830	17919	17955
20°	15432	15432	15468
25°	13131	13131	13226
30°	11216	11156	11256
35°	9566	9566	9629
40°	8228	8228	8273
45°	7185	7185	7234
50°	6323	6323	6323
55°	5585	5585	5675
60°	5029	5029	5029
65°	4523	4523	4523
70°	4028	4028	4028
75°	3593	3460	3593
80°	3075	3075	3075
85°	1778	1778	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7234 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.8	7.5
10°-20°	28.0	17.7
20°-30°	31.8	20.2
30°-40°	28.6	18.1
40°-50°	22.9	14.5
50°-60°	16.8	10.6
60°-70°	11.0	7.0
70°-80°	5.7	3.6
80°-90°	1.3	0.8
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°	71.6	45.3
0°-40°	100.2	63.4
0°-60°	140.0	88.6
0°-90°	158.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	158.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	132	132	132	132	132	
5°	128	128	128	128	128	12
15°	100	100	100	100	101	28
25°	69	69	69	69	70	32
35°	46	46	46	46	46	29
45°	30	30	30	30	30	23
55°	19	19	19	19	19	17
65°	11	11	11	11	11	11
75°	5	5	5	5	5	6
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	132.1	132.1	132.1	132.1	132.1
1°	131.9	131.6	131.9	131.9	132.1
2°	131.4	131.4	131.4	131.2	131.6
3°	130.4	130.4	130.7	130.4	130.7
4°	129.3	129.3	129.3	129.0	129.5
5°	127.6	127.6	127.6	127.6	127.8
6°	126.0	125.7	126.0	125.7	126.0
7°	123.6	123.6	123.8	123.6	123.8
8°	121.2	121.0	121.5	121.2	121.7
9°	118.9	118.6	118.9	118.6	119.4
10°	115.8	116.1	116.1	116.1	116.3
12.5°	108.7	108.3	108.3	108.3	108.7
15°	100.0	100.0	100.5	100.5	100.7
17.5°	92.2	92.0	92.5	92.5	92.5
20°	84.2	84.0	84.2	84.2	84.4
22.5°	76.2	76.4	76.4	76.4	76.7
25°	69.1	69.1	69.1	69.4	69.6
27.5°	62.5	62.3	62.5	62.7	63.0
30°	56.4	56.1	56.1	56.4	56.6
32.5°	50.7	50.5	50.7	50.7	51.0
35°	45.5	45.5	45.5	45.5	45.8
37.5°	40.8	40.8	40.8	41.0	41.0
40°	36.6	36.6	36.6	36.8	36.8
42.5°	32.8	32.8	32.8	33.0	33.3
45°	29.5	29.5	29.5	29.5	29.7
47.5°	26.4	26.4	26.4	26.7	26.7
50°	23.6	23.4	23.6	23.8	23.6
52.5°	21.0	21.0	21.0	21.0	21.2
55°	18.6	18.6	18.6	18.6	18.9
57.5°	16.5	16.5	16.5	16.7	16.7
60°	14.6	14.6	14.6	14.6	14.6
62.5°	12.7	12.7	12.7	12.7	12.7
65°	11.1	10.9	11.1	11.1	11.1
67.5°	9.4	9.4	9.4	9.4	9.4
70°	8.0	8.0	8.0	8.0	8.0
72.5°	6.6	6.6	6.6	6.6	6.6
75°	5.4	5.2	5.2	5.4	5.4
77.5°	4.2	4.0	4.2	4.2	4.2
80°	3.1	3.1	3.1	3.1	3.1
82.5°	1.9	1.9	1.9	2.1	2.1
85°	0.9	0.9	0.9	1.2	1.2
87.5°	0.2	0.2	0.2	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)