

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: P1305451

Luminaire Tested: P3SQAS02R359024DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305451
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R359024DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

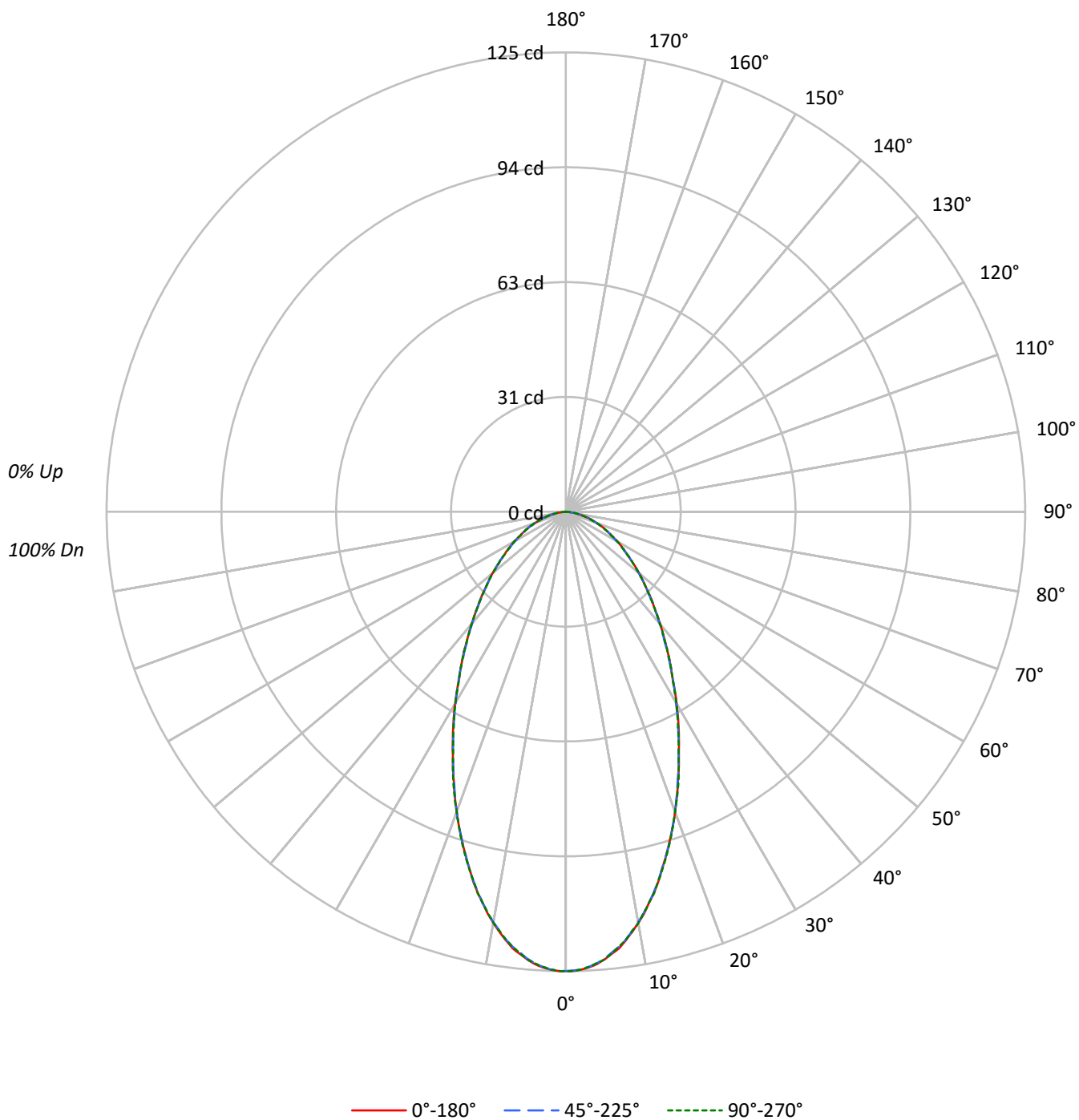
Lumens per Lamp: N/A
Luminaire Lumens: 167.0 lumens
Efficiency: N/A
Efficacy: 46.4 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	103	100	108	105	101	99	100	98	95		97	95	93		93
2	103	96	90	85	100	94	89	84	90	86	82		87	84	81		84
3	95	86	79	74	93	85	78	73	82	76	72		79	75	71		77
4	88	78	71	65	86	77	70	65	75	68	64		72	67	63		70
5	82	71	64	58	80	70	63	58	68	62	57		66	61	56		65
6	77	65	58	52	75	65	57	52	63	56	51		61	55	51		60
7	72	60	53	47	71	60	52	47	58	52	47		57	51	46		55
8	68	56	48	43	66	55	48	43	54	47	43		53	47	43		52
9	64	52	45	40	63	51	44	40	50	44	39		49	44	39		48
10	60	49	42	37	59	48	41	37	47	41	37		46	41	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21528	21528	21528
5°	21126	21091	21126
10°	19866	19831	19866
15°	17990	17990	18026
20°	15927	15927	15927
25°	13834	13796	13796
30°	11992	11912	11952
35°	10323	10281	10323
40°	8970	8925	8970
45°	7867	7818	7818
50°	6993	6939	6939
55°	6155	6155	6155
60°	5580	5477	5580
65°	5012	5012	5012
70°	4431	4431	4431
75°	3993	3859	3993
80°	3372	3372	3372
85°	2174	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7867 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.4	6.8
10°-20°	28.1	16.9
20°-30°	33.4	20.0
30°-40°	30.7	18.4
40°-50°	25.0	14.9
50°-60°	18.5	11.1
60°-70°	12.2	7.3
70°-80°	6.3	3.8
80°-90°	1.4	0.9
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°	72.9	43.7
0°-40°	103.7	62.1
0°-60°	147.1	88.1
0°-90°	167.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	167.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	125	125	125	125	125	
5°	122	122	122	122	122	11
15°	101	101	101	101	101	28
25°	73	73	73	73	73	33
35°	49	49	49	49	49	31
45°	32	32	32	32	32	25
55°	20	20	20	20	20	19
65°	12	12	12	12	12	12
75°	6	6	6	6	6	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°	125.0	125.0	125.0	125.0	125.0
1°	125.0	124.8	124.8	124.8	125.0
2°	124.6	124.6	124.6	124.6	124.6
3°	124.1	123.9	123.9	123.9	123.9
4°	123.3	123.1	123.1	123.1	123.1
5°	122.2	122.0	122.0	122.0	122.2
6°	120.9	120.7	120.5	120.5	120.7
7°	119.6	119.2	119.2	119.2	119.2
8°	117.7	117.5	117.5	117.5	117.5
9°	115.7	115.3	115.5	115.5	115.5
10°	113.6	113.4	113.4	113.4	113.6
11°	111.4	111.2	111.2	111.0	111.2
12°	108.8	108.8	108.8	108.8	108.8
13°	106.5	106.3	106.3	106.3	106.5
14°	103.9	103.7	103.7	103.7	103.7
15°	100.9	100.9	100.9	100.9	101.1
17.5°	94.0	93.8	94.0	94.0	94.2
20°	86.9	86.6	86.9	86.9	86.9
22.5°	79.7	79.7	79.5	79.7	80.0
25°	72.8	72.6	72.6	72.8	72.6
27.5°	66.4	66.2	66.2	66.2	66.2
30°	60.3	59.9	59.9	60.1	60.1
32.5°	54.1	54.1	54.3	54.1	54.1
35°	49.1	48.9	48.9	49.1	49.1
37.5°	44.2	44.0	44.0	44.2	44.2
40°	39.9	39.9	39.7	39.9	39.9
42.5°	35.8	35.8	35.8	35.8	35.8
45°	32.3	32.1	32.1	32.1	32.1
47.5°	28.9	28.9	28.9	28.7	28.9
50°	26.1	25.9	25.9	25.9	25.9
52.5°	23.1	23.1	23.1	23.1	23.1
55°	20.5	20.5	20.5	20.5	20.5
57.5°	18.3	18.1	18.1	18.1	18.1
60°	16.2	16.2	15.9	16.2	16.2
62.5°	14.0	14.0	14.0	14.0	14.0
65°	12.3	12.3	12.3	12.3	12.3
67.5°	10.6	10.6	10.6	10.6	10.6
70°	8.8	8.8	8.8	8.8	8.8
72.5°	7.5	7.3	7.3	7.3	7.3
75°	6.0	6.0	5.8	6.0	6.0
77.5°	4.5	4.5	4.5	4.5	4.5
80°	3.4	3.4	3.4	3.2	3.4
82.5°	2.2	2.2	2.2	2.2	2.2
85°	1.1	1.1	1.1	1.1	1.1
87.5°	0.2	0.2	0.2	0.4	0.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)