

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: P1311972

Luminaire Tested: P3SQAS02R359727DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311972
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: P3SQAS02R359727DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

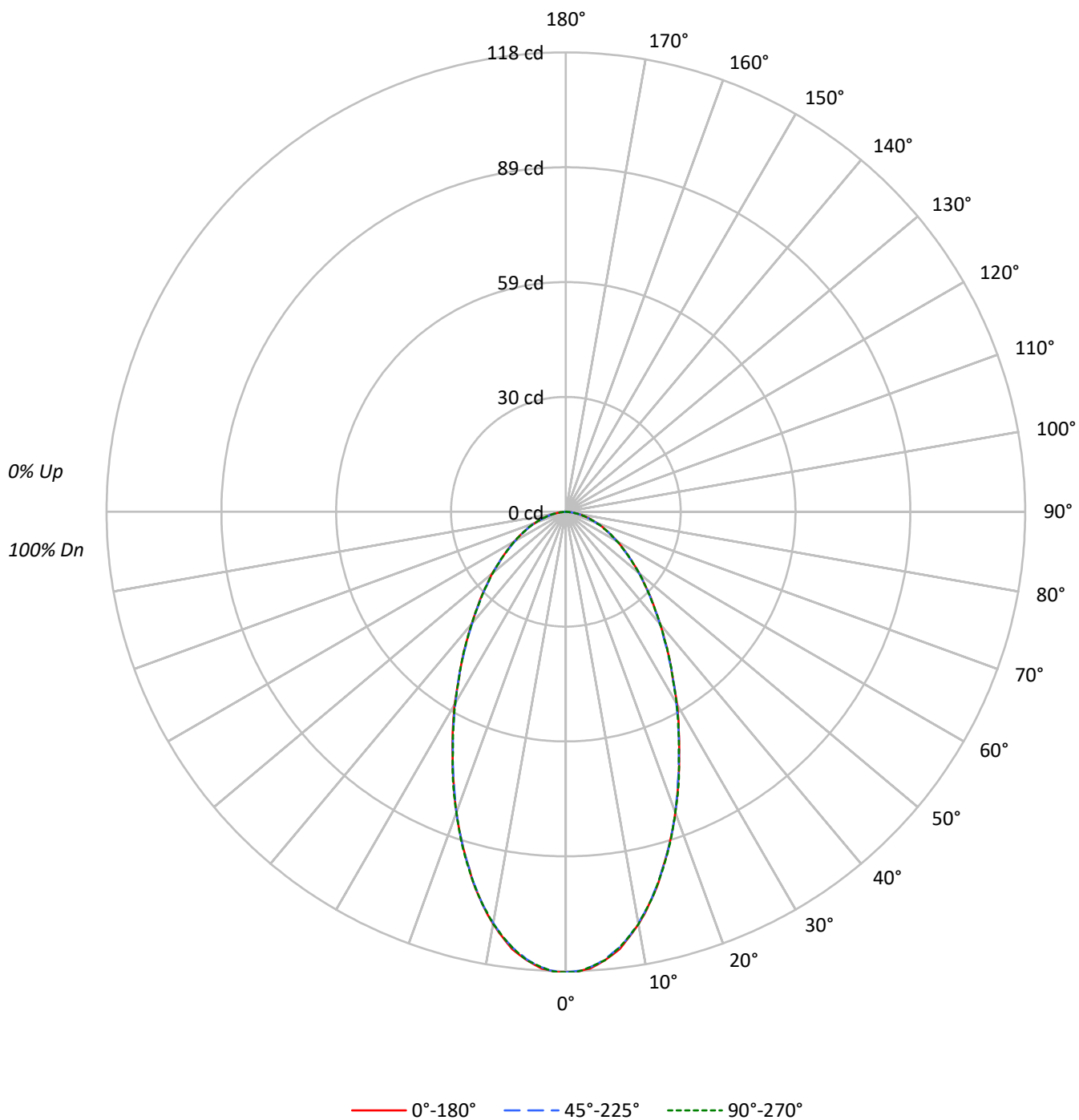
Lumens per Lamp: N/A
Luminaire Lumens: 158.0 lumens
Efficiency: N/A
Efficacy: 43.9 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	20374	20374	20374
5°	19985	19950	19985
10°	18800	18765	18800
15°	17010	17010	17045
20°	15065	15065	15065
25°	13093	13055	13055
30°	11355	11276	11315
35°	9776	9734	9776
40°	8476	8431	8476
45°	7453	7404	7404
50°	6618	6564	6564
55°	5825	5825	5825
60°	5270	5201	5270
65°	4727	4727	4727
70°	4230	4230	4230
75°	3793	3660	3793
80°	3273	3273	3273
85°	1976	1976	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7453 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.8	6.8
10°-20°	26.6	16.8
20°-30°	31.6	20.0
30°-40°	29.1	18.4
40°-50°	23.6	14.9
50°-60°	17.5	11.1
60°-70°	11.6	7.3
70°-80°	6.0	3.8
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°	69.0	43.7
0°-40°	98.1	62.1
0°-60°	139.1	88.1
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°	118	118	118	118	118	
5°	116	115	115	115	116	11
15°	95	95	95	95	96	27
25°	69	69	69	69	69	32
35°	46	46	46	46	46	29
45°	31	30	30	30	30	24
55°	19	19	19	19	19	18
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°	118.3	118.3	118.3	118.3	118.3
1°	118.3	118.1	118.1	118.1	118.3
2°	117.9	117.9	117.9	117.9	117.9
3°	117.5	117.2	117.2	117.2	117.2
4°	116.6	116.4	116.4	116.4	116.4
5°	115.6	115.4	115.4	115.4	115.6
6°	114.4	114.2	114.0	114.0	114.2
7°	113.2	112.8	112.8	112.8	112.8
8°	111.3	111.1	111.1	111.1	111.1
9°	109.5	109.1	109.3	109.3	109.3
10°	107.5	107.3	107.3	107.3	107.5
11°	105.4	105.2	105.2	105.0	105.2
12°	103.0	103.0	103.0	103.0	103.0
13°	100.7	100.5	100.5	100.5	100.7
14°	98.3	98.1	98.1	98.1	98.1
15°	95.4	95.4	95.4	95.4	95.6
17.5°	88.9	88.7	88.9	88.9	89.1
20°	82.2	82.0	82.2	82.2	82.2
22.5°	75.4	75.4	75.2	75.4	75.7
25°	68.9	68.7	68.7	68.9	68.7
27.5°	62.8	62.6	62.6	62.6	62.6
30°	57.1	56.7	56.7	56.9	56.9
32.5°	51.2	51.2	51.4	51.2	51.2
35°	46.5	46.3	46.3	46.5	46.5
37.5°	41.8	41.6	41.6	41.8	41.8
40°	37.7	37.7	37.5	37.7	37.7
42.5°	33.8	33.8	33.8	33.8	33.8
45°	30.6	30.4	30.4	30.4	30.4
47.5°	27.3	27.3	27.3	27.1	27.3
50°	24.7	24.5	24.5	24.5	24.5
52.5°	21.8	21.8	21.8	21.8	21.8
55°	19.4	19.4	19.4	19.4	19.4
57.5°	17.3	17.1	17.1	17.1	17.1
60°	15.3	15.3	15.1	15.3	15.3
62.5°	13.3	13.3	13.3	13.3	13.3
65°	11.6	11.6	11.6	11.6	11.6
67.5°	10.0	10.0	10.0	10.0	10.0
70°	8.4	8.4	8.4	8.4	8.4
72.5°	7.1	6.9	6.9	6.9	6.9
75°	5.7	5.7	5.5	5.7	5.7
77.5°	4.3	4.3	4.3	4.3	4.3
80°	3.3	3.3	3.3	3.1	3.3
82.5°	2.0	2.0	2.0	2.0	2.0
85°	1.0	1.0	1.0	1.0	1.0
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)