

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: P1309761

Luminaire Tested: P3SQAS02R309040DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309761
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R309040DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

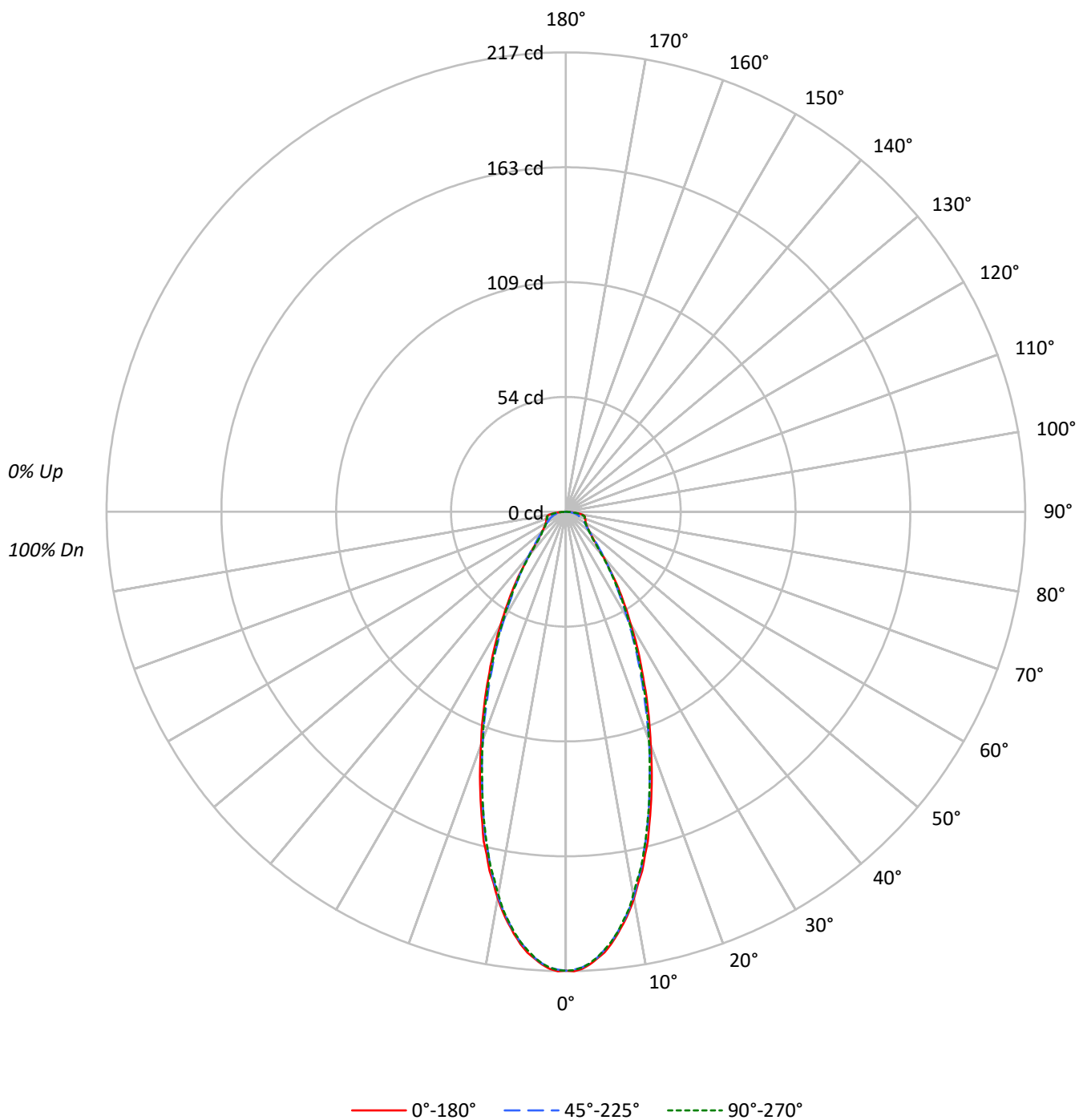
Lumens per Lamp: N/A
Luminaire Lumens: 171.0 lumens
Efficiency: N/A
Efficacy: 47.5 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	59		67	62	58		66
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	37338	37338	37338
5°	36132	35942	35942
10°	32423	32248	32108
15°	27173	26763	26709
20°	21462	21022	21022
25°	16418	15772	16076
30°	12190	11554	11813
35°	8809	8431	8473
40°	6070	6183	5890
45°	4530	4725	4335
50°	3939	3858	3858
55°	3693	3543	3603
60°	3789	3513	3686
65°	4157	3505	4075
70°	4884	3575	4733
75°	6255	3859	6122
80°	7835	4166	7240
85°	6126	4150	5730

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 7835 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.1	11.2
10°-20°	41.6	24.3
20°-30°	38.7	22.7
30°-40°	25.7	15.0
40°-50°	15.0	8.8
50°-60°	10.9	6.4
60°-70°	9.2	5.4
70°-80°	7.6	4.5
80°-90°	3.2	1.9
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°	99.4	58.2
0°-40°	125.1	73.2
0°-60°	151.0	88.3
0°-90°	171.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	171.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	217	217	217	217	217	
5°	209	209	208	208	208	19
15°	152	151	150	150	150	42
25°	86	85	83	83	85	40
35°	42	41	40	40	40	26
45°	19	19	19	18	18	15
55°	12	12	12	12	12	11
65°	10	9	9	9	10	10
75°	9	7	6	7	9	10
85°	3	4	2	3	3	4
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	216.8	216.8	216.8	216.8	216.8
1°	217.1	216.8	216.3	216.6	216.6
2°	216.1	215.8	215.5	215.5	215.5
3°	214.2	214.0	213.7	213.7	213.7
4°	211.6	211.3	211.3	211.1	211.1
5°	209.0	208.7	207.9	207.9	207.9
6°	205.3	205.1	204.5	204.3	204.3
7°	200.9	200.9	200.1	199.8	200.1
8°	196.2	195.9	195.4	195.1	195.1
9°	191.2	190.4	190.4	189.6	190.1
10°	185.4	184.9	184.4	183.8	183.6
11°	178.9	178.6	177.8	177.3	177.0
12°	173.4	172.1	171.5	170.8	171.3
13°	166.3	165.5	164.2	163.9	164.2
14°	160.3	158.7	157.7	157.1	156.9
15°	152.4	150.8	150.1	149.8	149.8
17.5°	134.9	133.8	131.7	131.7	131.7
20°	117.1	116.0	114.7	114.4	114.7
22.5°	101.6	99.8	97.7	97.9	99.5
25°	86.4	84.9	83.0	83.3	84.6
27.5°	73.6	71.5	69.7	70.2	71.0
30°	61.3	60.0	58.1	58.7	59.4
32.5°	50.8	50.0	47.9	48.4	49.2
35°	41.9	41.1	40.1	40.3	40.3
37.5°	33.5	33.5	33.3	33.0	32.7
40°	27.0	27.5	27.5	26.7	26.2
42.5°	22.0	22.5	23.0	22.0	21.2
45°	18.6	18.9	19.4	18.3	17.8
47.5°	16.2	16.2	16.8	16.0	15.7
50°	14.7	14.7	14.4	14.1	14.4
52.5°	13.4	13.1	12.8	13.1	13.1
55°	12.3	12.0	11.8	12.0	12.0
57.5°	11.5	11.3	11.0	11.0	11.3
60°	11.0	10.5	10.2	10.5	10.7
62.5°	10.5	9.7	9.4	9.7	10.2
65°	10.2	9.2	8.6	9.2	10.0
67.5°	10.0	8.6	7.9	8.6	9.7
70°	9.7	8.1	7.1	8.1	9.4
72.5°	9.4	7.6	6.5	7.6	9.4
75°	9.4	7.1	5.8	7.1	9.2
77.5°	8.9	6.5	5.0	6.5	8.6
80°	7.9	6.0	4.2	5.8	7.3
82.5°	5.8	5.2	3.1	5.0	5.5
85°	3.1	3.7	2.1	3.4	2.9
87.5°	0.5	0.8	0.5	1.6	1.0



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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)