

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: P1312945

Luminaire Tested: P3SQAS02R359730DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312945
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R359730DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

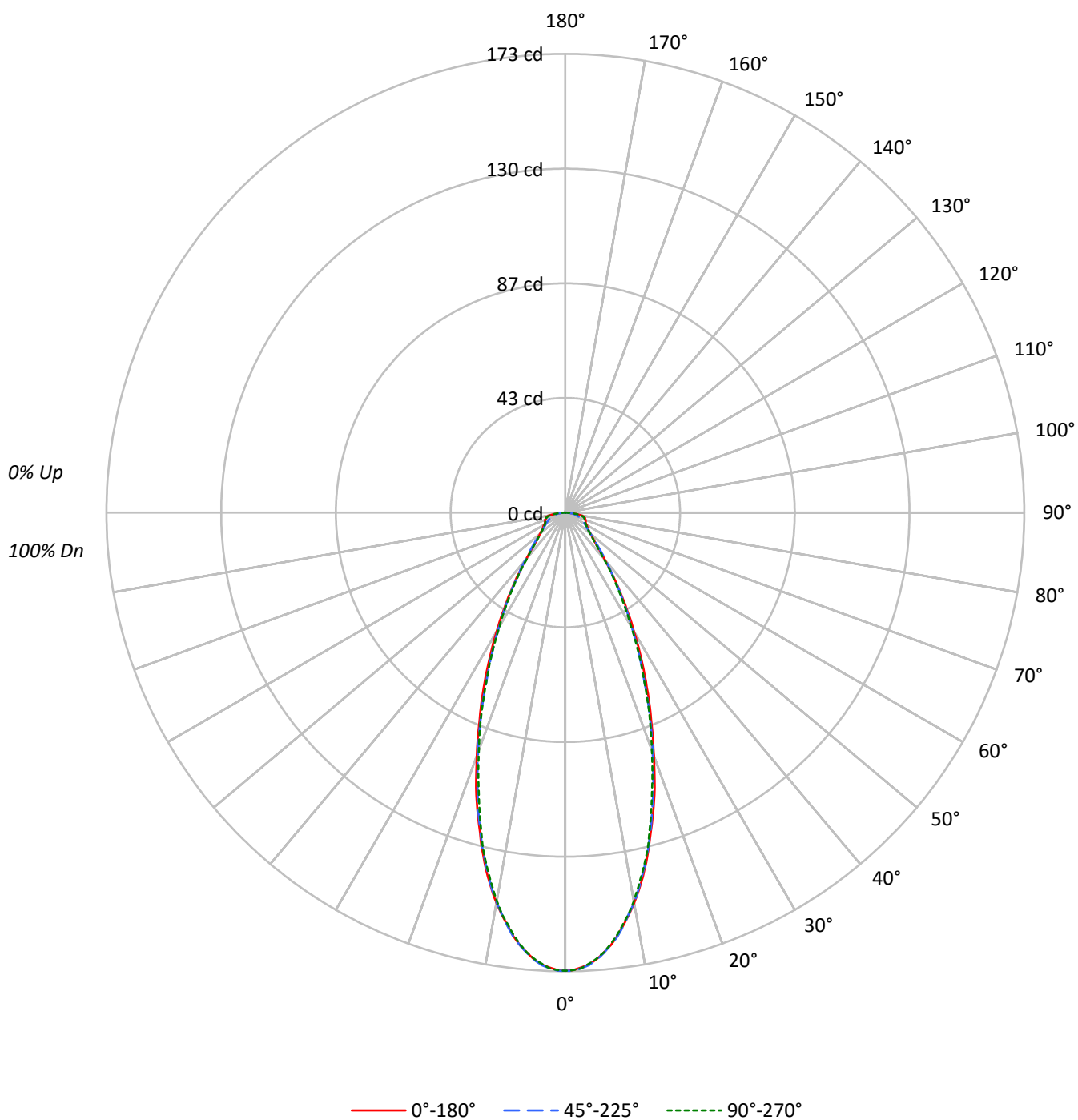
Lumens per Lamp: N/A
Luminaire Lumens: 143.0 lumens
Efficiency: N/A
Efficacy: 39.7 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	101	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	84	75	69	64	73	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	58		67	62	58		66
7	77	66	60	55	76	66	59	55	64	58	54		63	58	54		62
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	29760	29760	29760
5°	28785	28819	28785
10°	26144	26110	26005
15°	22198	22127	21931
20°	17869	17631	17466
25°	13815	13397	13397
30°	10301	9963	9864
35°	7422	7317	7148
40°	5193	5328	4991
45°	3873	4092	3775
50°	3322	3322	3269
55°	3123	3003	3063
60°	3238	2928	3066
65°	3464	2934	3382
70°	4079	3072	3928
75°	5057	3194	4924
80°	6447	3471	5852
85°	5138	3359	5138

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 6447 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.4	10.7
10°-20°	34.3	24.0
20°-30°	32.7	22.9
30°-40°	22.0	15.4
40°-50°	12.9	9.0
50°-60°	9.2	6.5
60°-70°	7.7	5.4
70°-80°	6.3	4.4
80°-90°	2.6	1.8
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°	82.3	57.6
0°-40°	104.3	73.0
0°-60°	126.4	88.4
0°-90°	143.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	143.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	173	173	173	173	173	
5°	166	167	167	166	166	15
15°	124	125	124	123	123	35
25°	73	72	70	70	70	33
35°	35	35	35	34	34	22
45°	16	16	17	16	16	13
55°	10	10	10	10	10	9
65°	8	8	7	8	8	8
75°	8	6	5	6	7	8
85°	3	3	2	3	3	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	172.8	172.8	172.8	172.8	172.8
1°	172.6	172.8	172.8	172.6	172.6
2°	171.7	172.2	172.0	171.7	172.0
3°	170.7	171.1	170.9	170.7	170.4
4°	168.9	169.4	169.1	168.7	168.7
5°	166.5	167.0	166.7	166.5	166.5
6°	164.1	164.6	164.1	163.7	163.7
7°	160.9	161.5	161.1	160.6	160.4
8°	157.2	157.8	157.4	157.2	156.7
9°	153.5	153.9	153.2	153.2	153.2
10°	149.5	149.8	149.3	148.7	148.7
11°	145.2	145.0	144.8	144.3	143.9
12°	140.4	140.4	139.7	139.3	139.1
13°	135.4	135.2	134.7	134.3	134.3
14°	130.2	130.2	129.7	128.9	129.1
15°	124.5	124.7	124.1	123.2	123.0
17.5°	111.7	111.2	110.1	109.5	108.8
20°	97.5	97.3	96.2	95.6	95.3
22.5°	84.5	84.2	83.2	82.5	82.9
25°	72.7	71.8	70.5	70.5	70.5
27.5°	61.8	60.7	59.9	59.4	59.9
30°	51.8	50.9	50.1	49.8	49.6
32.5°	42.9	42.4	42.0	41.4	41.4
35°	35.3	35.3	34.8	34.2	34.0
37.5°	28.7	29.0	28.7	28.1	27.9
40°	23.1	23.5	23.7	23.1	22.2
42.5°	18.9	19.6	20.0	18.9	18.3
45°	15.9	16.3	16.8	15.9	15.5
47.5°	13.9	14.1	14.4	13.7	13.5
50°	12.4	12.4	12.4	12.2	12.2
52.5°	11.3	11.3	11.1	10.9	10.9
55°	10.4	10.2	10.0	10.0	10.2
57.5°	9.8	9.6	9.1	9.4	9.6
60°	9.4	8.9	8.5	8.7	8.9
62.5°	8.7	8.3	7.8	8.1	8.5
65°	8.5	7.6	7.2	7.6	8.3
67.5°	8.3	7.2	6.5	7.2	8.1
70°	8.1	6.7	6.1	6.7	7.8
72.5°	7.8	6.3	5.4	6.3	7.6
75°	7.6	5.9	4.8	5.9	7.4
77.5°	7.2	5.4	4.1	5.4	6.7
80°	6.5	5.0	3.5	4.8	5.9
82.5°	4.8	4.1	2.8	4.1	4.4
85°	2.6	2.8	1.7	2.8	2.6
87.5°	0.2	0.4	0.4	1.3	0.9



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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)