

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: P1314889

Luminaire Tested: P3SQAS02R359740DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314889
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: P3SQAS02R359740DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

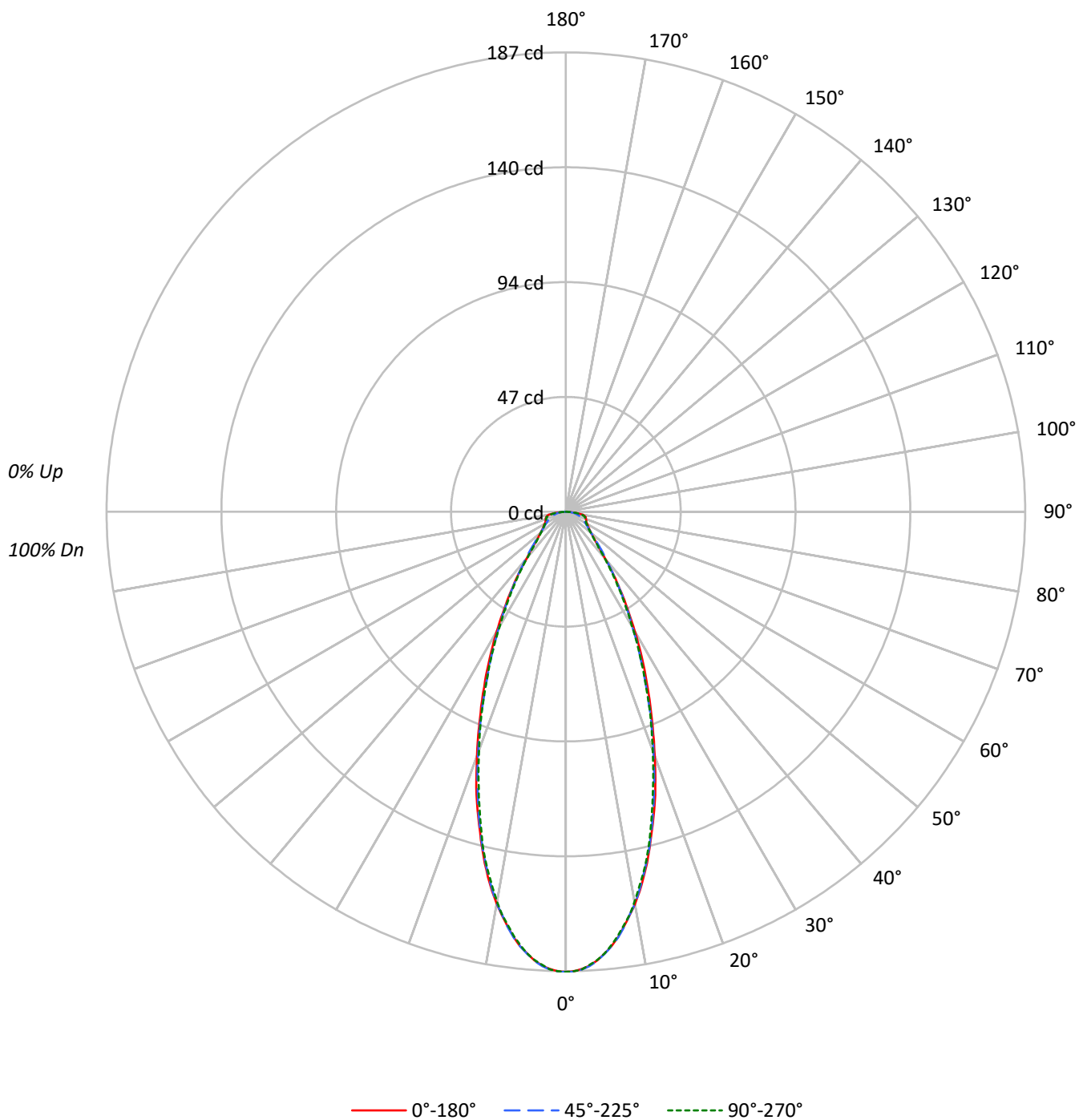
Lumens per Lamp: N/A
Luminaire Lumens: 155.0 lumens
Efficiency: N/A
Efficacy: 43.1 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	54	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°	32257	32257	32257
5°	31205	31240	31205
10°	28348	28313	28191
15°	24070	23981	23767
20°	19372	19116	18932
25°	14974	14518	14518
30°	11176	10798	10699
35°	8031	7947	7737
40°	5621	5778	5418
45°	4189	4433	4092
50°	3590	3590	3537
55°	3393	3273	3333
60°	3479	3169	3341
65°	3749	3179	3668
70°	4381	3323	4280
75°	5523	3460	5323
80°	7042	3769	6347
85°	5533	3754	5533

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 7042 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.6	10.7
10°-20°	37.1	24.0
20°-30°	35.5	22.9
30°-40°	23.8	15.4
40°-50°	14.0	9.0
50°-60°	10.0	6.5
60°-70°	8.3	5.4
70°-80°	6.8	4.4
80°-90°	2.8	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°	89.2	57.6
0°-40°	113.0	72.9
0°-60°	137.0	88.4
0°-90°	155.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	155.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	187	187	187	187	187	
5°	180	181	181	180	180	17
15°	135	135	134	134	133	37
25°	79	78	76	76	76	36
35°	38	38	38	37	37	24
45°	17	18	18	17	17	14
55°	11	11	11	11	11	10
65°	9	8	8	8	9	9
75°	8	6	5	6	8	9
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°	187.3	187.3	187.3	187.3	187.3
1°	187.1	187.3	187.3	187.1	187.1
2°	186.2	186.6	186.4	186.2	186.4
3°	185.0	185.5	185.2	185.0	184.7
4°	183.1	183.6	183.3	182.9	182.9
5°	180.5	181.0	180.7	180.5	180.5
6°	177.9	178.4	177.9	177.4	177.4
7°	174.4	175.1	174.6	174.1	173.9
8°	170.4	171.1	170.6	170.4	169.9
9°	166.3	166.8	166.1	166.1	166.1
10°	162.1	162.3	161.9	161.2	161.2
11°	157.4	157.1	156.9	156.4	156.0
12°	152.2	152.2	151.5	151.0	150.8
13°	146.8	146.5	146.1	145.6	145.6
14°	141.1	141.1	140.6	139.7	139.9
15°	135.0	135.2	134.5	133.5	133.3
17.5°	121.0	120.6	119.4	118.7	118.0
20°	105.7	105.5	104.3	103.6	103.3
22.5°	91.5	91.3	90.1	89.4	89.9
25°	78.8	77.9	76.4	76.4	76.4
27.5°	67.0	65.8	64.9	64.4	64.9
30°	56.2	55.2	54.3	54.0	53.8
32.5°	46.5	46.0	45.5	44.8	44.8
35°	38.2	38.2	37.8	37.0	36.8
37.5°	31.1	31.4	31.1	30.4	30.2
40°	25.0	25.5	25.7	25.0	24.1
42.5°	20.5	21.2	21.7	20.5	19.8
45°	17.2	17.7	18.2	17.2	16.8
47.5°	15.1	15.3	15.6	14.9	14.6
50°	13.4	13.4	13.4	13.2	13.2
52.5°	12.3	12.3	12.0	11.8	11.8
55°	11.3	11.1	10.9	10.9	11.1
57.5°	10.6	10.4	9.9	10.1	10.4
60°	10.1	9.7	9.2	9.4	9.7
62.5°	9.4	9.0	8.5	8.7	9.2
65°	9.2	8.3	7.8	8.3	9.0
67.5°	9.0	7.8	7.1	7.8	8.7
70°	8.7	7.3	6.6	7.3	8.5
72.5°	8.5	6.8	5.9	6.8	8.3
75°	8.3	6.4	5.2	6.4	8.0
77.5°	7.8	5.9	4.5	5.9	7.3
80°	7.1	5.4	3.8	5.2	6.4
82.5°	5.2	4.5	3.1	4.5	4.7
85°	2.8	3.1	1.9	3.1	2.8
87.5°	0.2	0.5	0.5	1.4	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)