

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: P1314872

Luminaire Tested: P3SQAS02R309740DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314872
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: P3SQAS02R309740DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

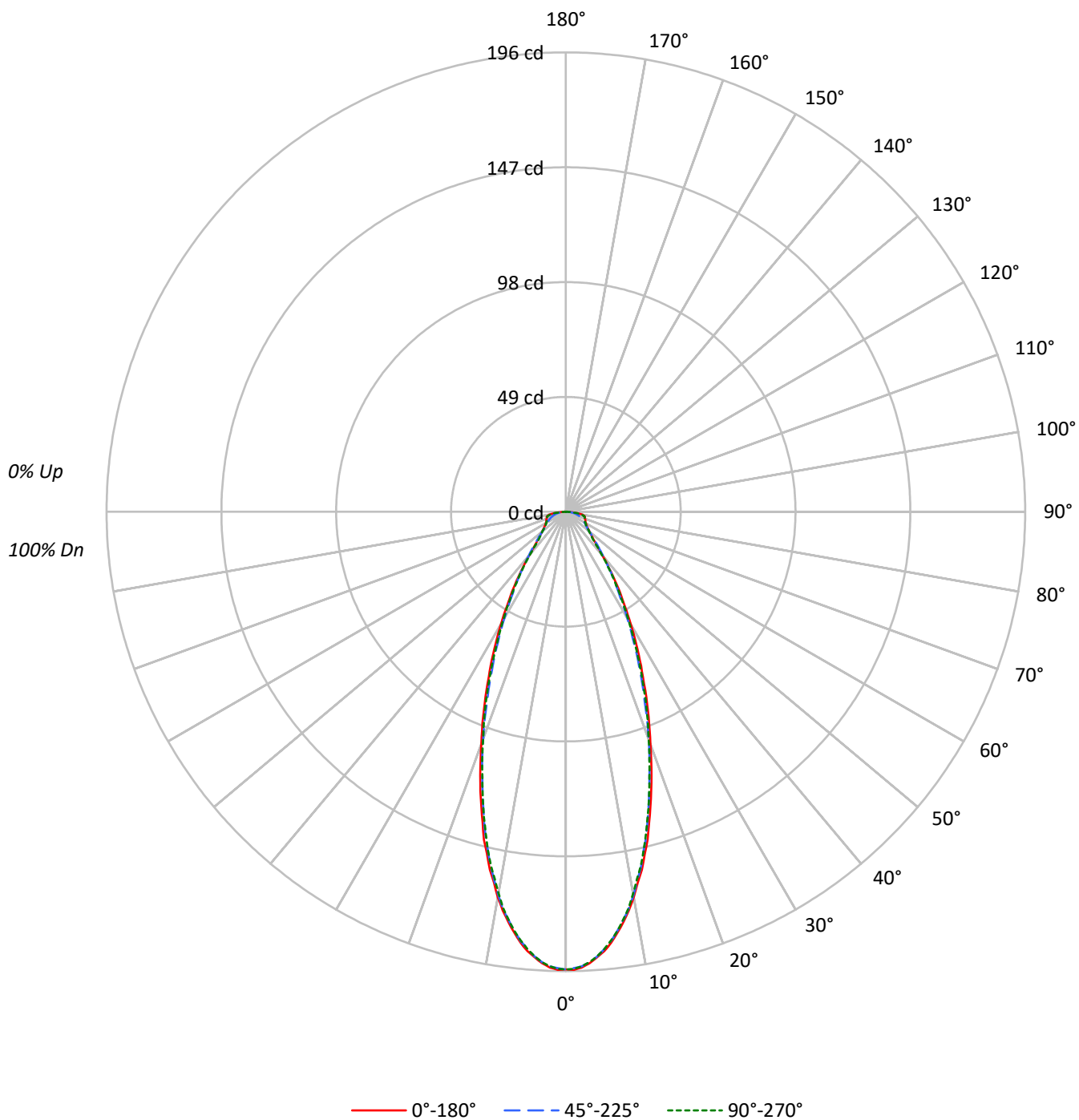
Lumens per Lamp: N/A
Luminaire Lumens: 154.0 lumens
Efficiency: N/A
Efficacy: 42.8 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	33635	33635	33635
5°	32536	32381	32381
10°	29205	29030	28908
15°	24480	24088	24052
20°	19317	18932	18932
25°	14784	14214	14480
30°	10977	10421	10639
35°	7926	7590	7632
40°	5463	5576	5306
45°	4067	4262	3897
50°	3537	3483	3483
55°	3333	3183	3243
60°	3410	3169	3341
65°	3749	3179	3668
70°	4381	3223	4280
75°	5656	3460	5523
80°	7042	3769	6546
85°	5533	3754	5138

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°	17.2	11.2
10°-20°	37.4	24.3
20°-30°	34.9	22.7
30°-40°	23.1	15.0
40°-50°	13.5	8.8
50°-60°	9.8	6.4
60°-70°	8.3	5.4
70°-80°	6.9	4.5
80°-90°	2.9	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°	89.6	58.1
0°-40°	112.7	73.2
0°-60°	136.0	88.3
0°-90°	154.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	154.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	195	195	195	195	195	
5°	188	188	187	187	187	17
15°	137	136	135	135	135	38
25°	78	76	75	75	76	36
35°	38	37	36	36	36	24
45°	17	17	18	16	16	13
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°	195.3	195.3	195.3	195.3	195.3
1°	195.5	195.3	194.8	195.1	195.1
2°	194.6	194.3	194.1	194.1	194.1
3°	192.9	192.7	192.5	192.5	192.5
4°	190.6	190.3	190.3	190.1	190.1
5°	188.2	188.0	187.3	187.3	187.3
6°	184.9	184.7	184.2	184.0	184.0
7°	180.9	180.9	180.2	180.0	180.2
8°	176.7	176.4	175.9	175.7	175.7
9°	172.2	171.5	171.5	170.8	171.2
10°	167.0	166.5	166.0	165.6	165.3
11°	161.1	160.9	160.1	159.7	159.4
12°	156.1	155.0	154.5	153.8	154.2
13°	149.8	149.1	147.9	147.6	147.9
14°	144.3	142.9	142.0	141.5	141.3
15°	137.3	135.9	135.1	134.9	134.9
17.5°	121.5	120.5	118.6	118.6	118.6
20°	105.4	104.5	103.3	103.1	103.3
22.5°	91.5	89.9	88.0	88.2	89.6
25°	77.8	76.4	74.8	75.0	76.2
27.5°	66.3	64.4	62.7	63.2	63.9
30°	55.2	54.0	52.4	52.8	53.5
32.5°	45.8	45.0	43.2	43.6	44.3
35°	37.7	37.0	36.1	36.3	36.3
37.5°	30.2	30.2	30.0	29.7	29.5
40°	24.3	24.8	24.8	24.1	23.6
42.5°	19.8	20.3	20.8	19.8	19.1
45°	16.7	17.0	17.5	16.5	16.0
47.5°	14.6	14.6	15.1	14.4	14.2
50°	13.2	13.2	13.0	12.7	13.0
52.5°	12.0	11.8	11.6	11.8	11.8
55°	11.1	10.8	10.6	10.8	10.8
57.5°	10.4	10.1	9.9	9.9	10.1
60°	9.9	9.4	9.2	9.4	9.7
62.5°	9.4	8.7	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	6.4	7.3	8.5
72.5°	8.5	6.8	5.9	6.8	8.5
75°	8.5	6.4	5.2	6.4	8.3
77.5°	8.0	5.9	4.5	5.9	7.8
80°	7.1	5.4	3.8	5.2	6.6
82.5°	5.2	4.7	2.8	4.5	5.0
85°	2.8	3.3	1.9	3.1	2.6
87.5°	0.5	0.7	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)