

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: P1313219

Luminaire Tested: P3SQAS09R209730DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313219
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R209730DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

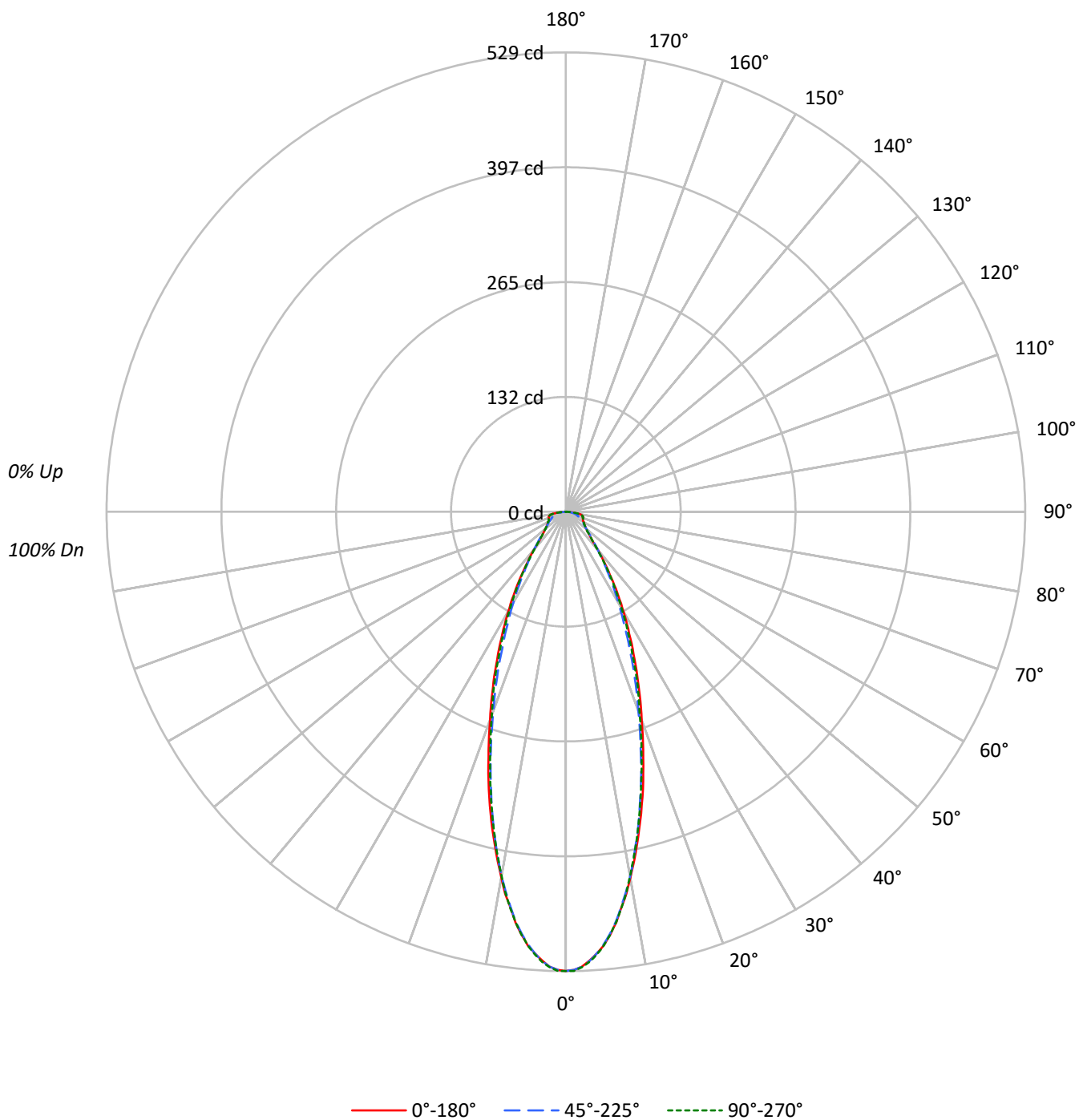
Lumens per Lamp: N/A
Luminaire Lumens: 373.0 lumens
Efficiency: N/A
Efficacy: 33.6 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	108	104	101	109	105	102	100	101	99	96		97	95	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	98	90	84	79	96	88	83	78	85	81	77		83	79	75		81
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	68	64		72	67	63		71
6	82	72	65	60	81	71	65	60	69	64	59		68	63	59		67
7	78	67	61	56	77	67	60	56	65	60	55		64	59	55		63
8	74	63	57	52	73	63	57	52	62	56	52		61	55	52		60
9	71	60	53	49	69	59	53	49	58	53	49		57	52	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	91089	91089	91089
5°	86682	86440	86682
10°	74831	74586	74481
15°	60728	59320	59552
20°	46790	44738	45581
25°	35535	32913	34547
30°	26370	24003	25574
35°	18628	17387	18354
40°	12837	12837	12545
45°	9426	9913	9426
50°	8252	8252	8252
55°	7867	7687	7867
60°	8129	7474	8129
65°	8843	7498	8843
70°	10574	7604	10574
75°	13508	8318	13508
80°	16960	8430	16265
85°	13042	7707	14227

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 16960 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.4	12.2
10°-20°	92.6	24.8
20°-30°	82.7	22.2
30°-40°	54.3	14.6
40°-50°	31.6	8.5
50°-60°	23.4	6.3
60°-70°	19.8	5.3
70°-80°	16.4	4.4
80°-90°	6.8	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°	220.8	59.2
0°-40°	275.0	73.7
0°-60°	330.0	88.5
0°-90°	373.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	373.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	529	529	529	529	529	
5°	501	501	500	501	501	45
15°	341	337	333	333	334	94
25°	187	182	173	178	182	86
35°	89	86	83	85	87	56
45°	39	39	41	39	39	31
55°	26	26	26	26	26	24
65°	22	20	18	20	22	22
75°	20	15	12	15	20	21
85°	7	7	4	7	7	8
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	528.9	528.9	528.9	528.9	528.9
1°	527.6	528.3	527.6	528.3	528.9
2°	524.3	525.0	524.3	524.3	525.0
3°	517.8	518.4	518.4	518.4	519.1
4°	509.9	510.5	509.9	510.5	511.2
5°	501.4	500.7	500.0	500.7	501.4
6°	489.5	488.9	488.2	488.9	489.5
7°	476.4	475.8	475.1	475.1	475.8
8°	460.0	460.7	458.7	460.0	460.7
9°	445.6	444.3	442.9	442.9	444.3
10°	427.9	426.5	426.5	425.9	425.9
12.5°	384.5	381.9	380.0	380.0	380.6
15°	340.6	337.3	332.7	333.4	334.0
17.5°	296.6	292.7	286.8	288.1	289.4
20°	255.3	251.3	244.1	246.7	248.7
22.5°	219.8	213.9	207.4	209.3	215.9
25°	187.0	181.8	173.2	177.8	181.8
27.5°	158.1	152.2	145.0	149.6	153.6
30°	132.6	127.3	120.7	124.7	128.6
32.5°	109.6	105.0	100.4	103.0	106.3
35°	88.6	86.0	82.7	85.3	87.3
37.5°	71.5	70.2	68.9	70.2	69.6
40°	57.1	57.7	57.1	57.1	55.8
42.5°	45.3	47.2	47.9	46.6	45.3
45°	38.7	39.4	40.7	39.4	38.7
47.5°	34.1	34.1	34.8	34.1	33.5
50°	30.8	30.8	30.8	30.8	30.8
52.5°	28.2	28.2	27.6	28.2	28.2
55°	26.2	25.6	25.6	25.6	26.2
57.5°	24.9	24.3	23.6	24.3	24.9
60°	23.6	22.3	21.7	22.3	23.6
62.5°	22.3	21.0	20.3	21.0	22.3
65°	21.7	19.7	18.4	19.7	21.7
67.5°	21.0	18.4	17.1	18.4	21.7
70°	21.0	17.1	15.1	17.7	21.0
72.5°	20.3	16.4	13.8	16.4	20.3
75°	20.3	15.1	12.5	15.1	20.3
77.5°	19.0	13.8	10.5	13.8	19.0
80°	17.1	12.5	8.5	12.5	16.4
82.5°	12.5	10.5	6.6	10.5	12.5
85°	6.6	7.2	3.9	7.2	7.2
87.5°	0.7	2.6	1.3	3.9	3.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)