

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: P1306731

Luminaire Tested: P3SQAS09R309027DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306731  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R309027DE010 E3SQPHLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3SQPHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

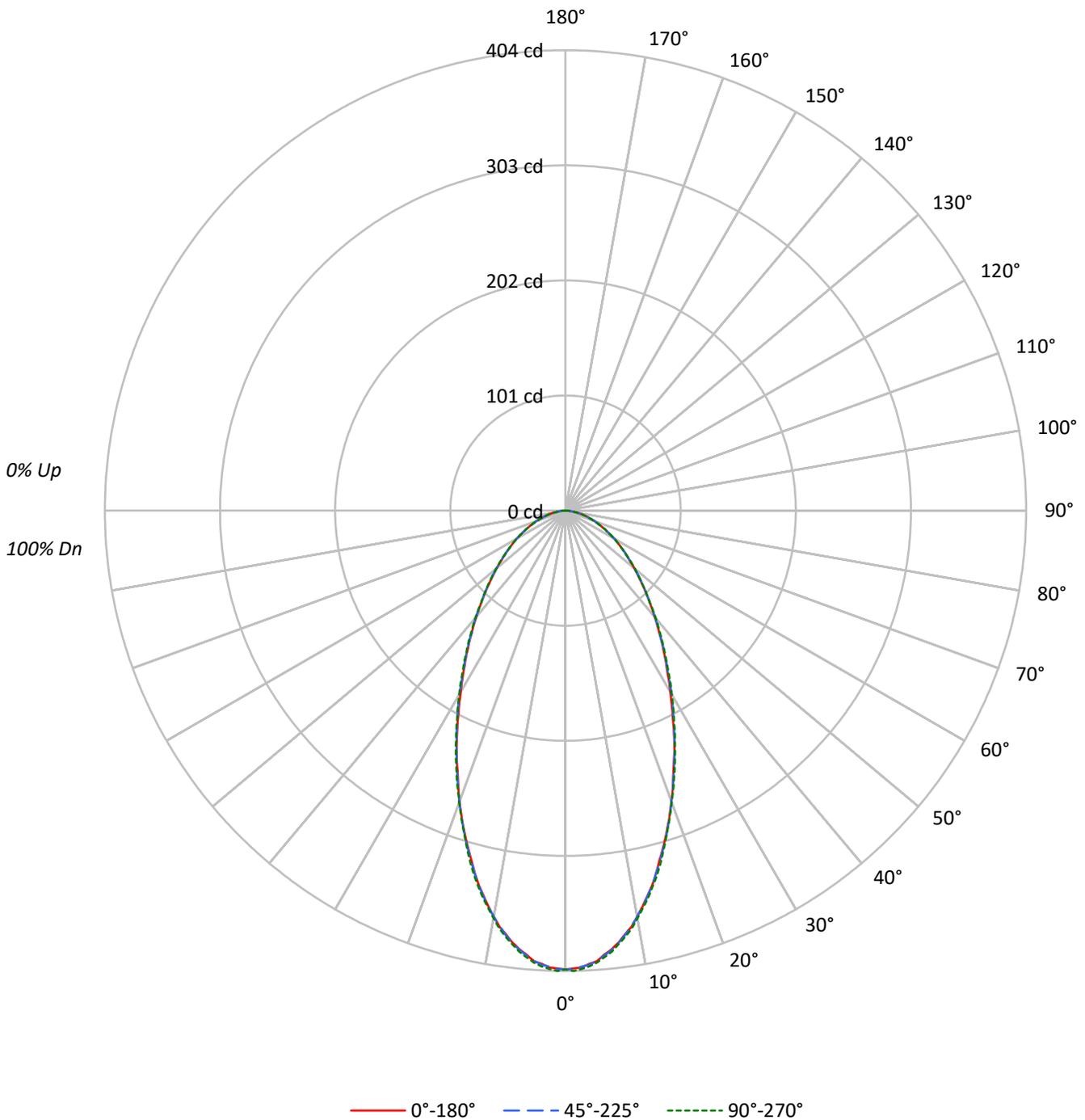
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 517.0 lumens  
Efficiency: N/A  
Efficacy: 46.6 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9  
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 (A<sub>in</sub>): 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		0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	79	79	77
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	70	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	62	62	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	56	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	51	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	47	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	37	37	35

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	69337	69337	69337
5°	67631	67752	67994
10°	63289	63289	63534
15°	56734	56877	57251
20°	49814	49814	49943
25°	42946	42946	43212
30°	36551	36969	37128
35°	31579	31726	31873
40°	27338	27496	27653
45°	23869	24039	24039
50°	21086	21086	21274
55°	18886	18886	18886
60°	16981	16981	16981
65°	15160	15160	15160
70°	13696	13696	13696
75°	12377	11911	11911
80°	10612	9918	9918
85°	7114	7114	7114

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 24039 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.5	7.1
10°-20°	88.9	17.2
20°-30°	103.8	20.1
30°-40°	94.5	18.3
40°-50°	76.3	14.8
50°-60°	56.4	10.9
60°-70°	37.1	7.2
70°-80°	19.2	3.7
80°-90°	4.4	0.8
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°	229.2	44.3
0°-40°	323.7	62.6
0°-60°	456.4	88.3
0°-90°	517.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	517.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	403	403	403	403	403	
5°	391	391	392	392	393	36
15°	318	319	319	319	321	89
25°	226	225	226	226	227	104
35°	150	150	151	151	152	94
45°	98	99	99	99	99	76
55°	63	62	63	62	63	56
65°	37	37	37	37	37	37
75°	19	18	18	18	18	20
85°	4	4	4	4	4	4
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	402.6	402.6	402.6	402.6	402.6
1°	401.9	401.9	402.6	401.9	404.1
2°	401.2	400.5	400.5	400.5	402.6
3°	398.3	398.3	399.1	398.3	400.5
4°	396.2	395.5	396.2	395.5	397.6
5°	391.2	391.2	391.9	391.9	393.3
6°	386.9	386.9	387.6	386.9	389.0
7°	381.9	381.9	381.9	381.9	383.3
8°	375.5	375.5	376.2	376.2	377.6
9°	369.7	369.0	369.0	369.0	371.2
10°	361.9	361.9	361.9	361.9	363.3
11°	354.0	354.0	354.0	354.0	355.4
12°	345.4	345.4	346.1	345.4	347.6
13°	337.6	337.6	337.6	337.6	339.0
14°	328.3	327.5	328.3	328.3	330.4
15°	318.2	319.0	319.0	319.0	321.1
17.5°	295.4	295.4	296.1	294.6	296.1
20°	271.8	271.0	271.8	271.8	272.5
22.5°	247.4	248.2	248.2	248.2	249.6
25°	226.0	225.3	226.0	226.0	227.4
27.5°	203.8	204.5	205.2	204.5	206.0
30°	183.8	185.2	185.9	184.5	186.7
32.5°	165.9	165.9	166.6	167.3	168.1
35°	150.2	149.5	150.9	150.9	151.6
37.5°	135.2	135.2	135.2	135.9	136.6
40°	121.6	121.6	122.3	122.3	123.0
42.5°	109.4	108.7	109.4	109.4	109.4
45°	98.0	98.7	98.7	98.7	98.7
47.5°	88.0	88.0	88.7	88.0	88.7
50°	78.7	78.7	78.7	78.7	79.4
52.5°	70.1	70.1	70.1	70.1	70.8
55°	62.9	62.2	62.9	62.2	62.9
57.5°	55.8	55.8	55.8	55.8	55.8
60°	49.3	48.6	49.3	48.6	49.3
62.5°	42.9	42.9	42.9	42.9	42.9
65°	37.2	37.2	37.2	37.2	37.2
67.5°	32.2	32.2	32.2	31.5	31.5
70°	27.2	27.2	27.2	27.2	27.2
72.5°	22.9	22.2	22.2	22.2	22.2
75°	18.6	17.9	17.9	17.9	17.9
77.5°	14.3	14.3	13.6	13.6	14.3
80°	10.7	10.0	10.0	10.0	10.0
82.5°	6.4	6.4	6.4	6.4	6.4
85°	3.6	3.6	3.6	3.6	3.6
87.5°	0.7	0.7	0.7	1.4	1.4



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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)