

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: P1315179

Luminaire Tested: P3SQAS09R259740DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315179
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R259740DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

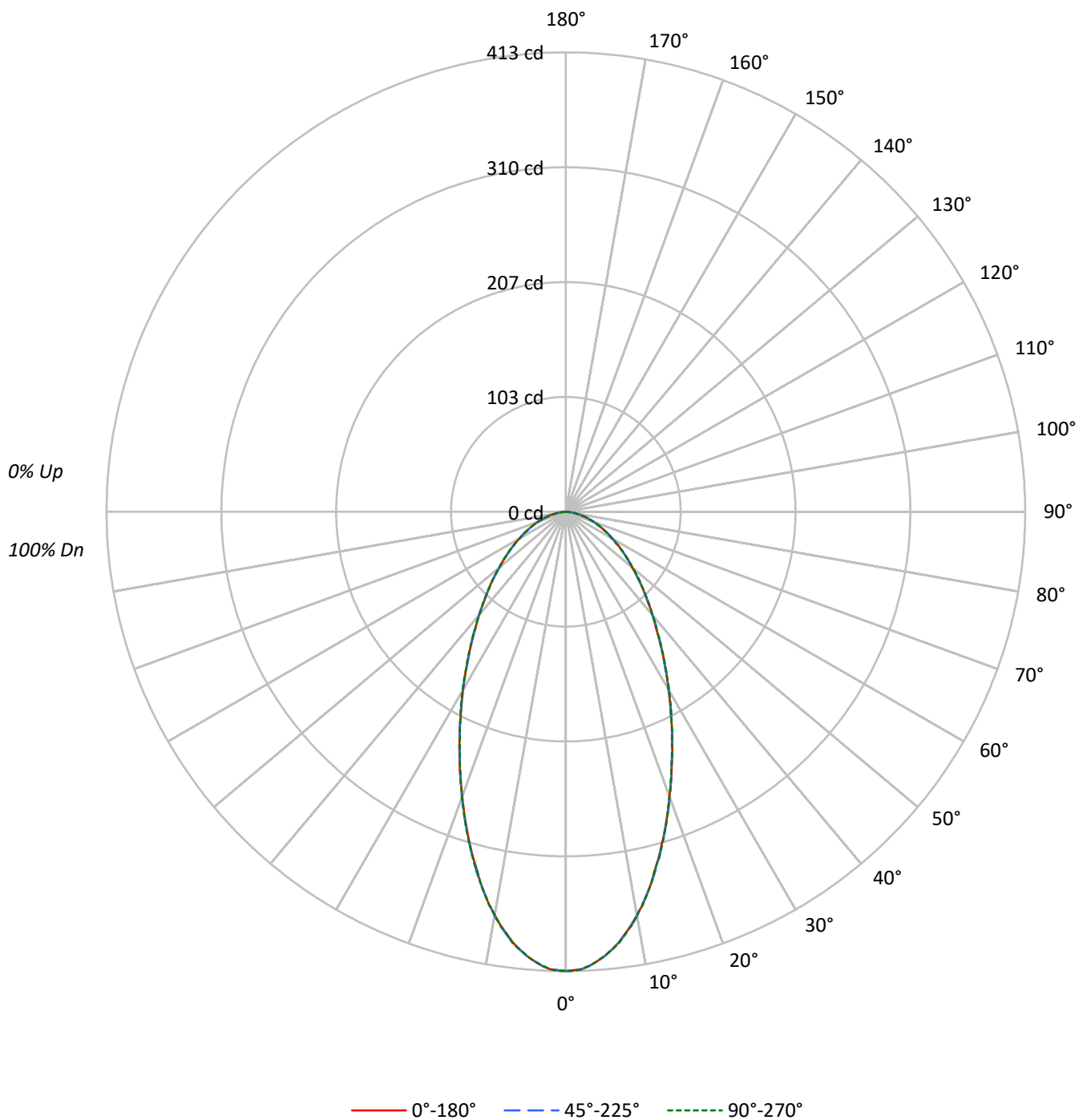
Lumens per Lamp: N/A
Luminaire Lumens: 516.9 lumens
Efficiency: N/A
Efficacy: 46.6 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77	77	77
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68	68	68
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63	61	61	61
5	83	72	64	58	81	71	64	58	69	62	58	67	61	57	65	60	56	55	55	55
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	49	49	49
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	45	45	45
8	68	56	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	41	41	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38	38	38
10	61	49	42	37	60	49	42	37	48	42	37	47	41	37	46	41	37	35	35	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	71111	71111	71111
5°	69308	69308	69308
10°	64391	64531	64391
15°	57430	57555	57555
20°	49943	50071	49943
25°	43003	42870	42870
30°	36691	36830	36969
35°	31474	31474	31621
40°	27271	27271	27271
45°	23844	23844	23844
50°	20899	20899	21113
55°	18736	18736	18736
60°	16602	16602	16602
65°	15037	15037	15037
70°	13596	13243	13596
75°	12244	11778	11778
80°	9819	9819	9819
85°	6916	6916	6916

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23844 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.3	7.2
10°-20°	89.9	17.4
20°-30°	103.9	20.1
30°-40°	94.2	18.2
40°-50°	75.9	14.7
50°-60°	55.9	10.8
60°-70°	36.8	7.1
70°-80°	19.0	3.7
80°-90°	4.3	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°	231.0	44.7
0°-40°	325.1	62.9
0°-60°	456.9	88.4
0°-90°	516.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	516.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	413	413	413	413	413	
5°	401	402	401	401	401	37
15°	322	323	323	322	323	90
25°	226	226	226	226	226	104
35°	150	150	150	150	150	94
45°	98	98	98	98	98	76
55°	62	62	62	62	62	56
65°	37	37	37	37	37	37
75°	18	18	18	18	18	19
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°	412.9	412.9	412.9	412.9	412.9
1°	412.2	413.7	412.2	412.2	412.9
2°	411.5	412.2	411.5	411.5	411.5
3°	408.7	410.1	408.7	408.7	408.7
4°	405.1	406.6	405.1	405.1	405.1
5°	400.9	402.3	400.9	400.9	400.9
6°	395.9	396.6	395.9	395.9	395.9
7°	390.2	391.0	390.2	390.2	391.0
8°	383.1	383.9	383.9	383.1	383.1
9°	376.1	376.8	376.8	376.1	376.8
10°	368.2	369.0	369.0	368.2	368.2
11°	360.4	361.2	359.7	359.7	360.4
12°	351.2	351.9	351.2	351.2	351.2
13°	342.0	342.0	342.0	342.0	342.0
14°	331.4	332.8	332.8	332.1	331.4
15°	322.1	322.8	322.8	322.1	322.8
17.5°	297.3	298.7	298.0	298.0	298.0
20°	272.5	273.2	273.2	272.5	272.5
22.5°	249.0	248.3	248.3	248.3	248.3
25°	226.3	225.6	225.6	226.3	225.6
27.5°	204.3	205.1	205.1	204.3	205.1
30°	184.5	184.5	185.2	184.5	185.9
32.5°	166.7	166.7	166.0	166.7	166.7
35°	149.7	149.7	149.7	149.7	150.4
37.5°	134.1	134.8	135.5	135.5	134.8
40°	121.3	121.3	121.3	121.3	121.3
42.5°	108.6	108.6	109.3	109.3	109.3
45°	97.9	97.9	97.9	97.9	97.9
47.5°	88.0	88.0	87.3	87.3	88.0
50°	78.0	78.8	78.0	78.0	78.8
52.5°	70.2	69.5	69.5	70.2	70.2
55°	62.4	62.4	62.4	61.7	62.4
57.5°	55.3	55.3	54.6	54.6	54.6
60°	48.2	48.2	48.2	48.2	48.2
62.5°	42.6	42.6	42.6	42.6	42.6
65°	36.9	36.9	36.9	36.9	36.9
67.5°	31.9	31.9	31.9	31.9	31.2
70°	27.0	27.0	26.3	26.3	27.0
72.5°	22.0	22.0	22.0	22.0	22.0
75°	18.4	17.7	17.7	17.7	17.7
77.5°	14.2	14.2	13.5	14.2	13.5
80°	9.9	9.9	9.9	9.9	9.9
82.5°	7.1	6.4	6.4	6.4	6.4
85°	3.5	3.5	3.5	3.5	3.5
87.5°	0.7	0.7	0.7	0.7	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)