

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: P1305742

Luminaire Tested: P3SQAS09R259024DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305742
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: P3SQAS09R259024DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

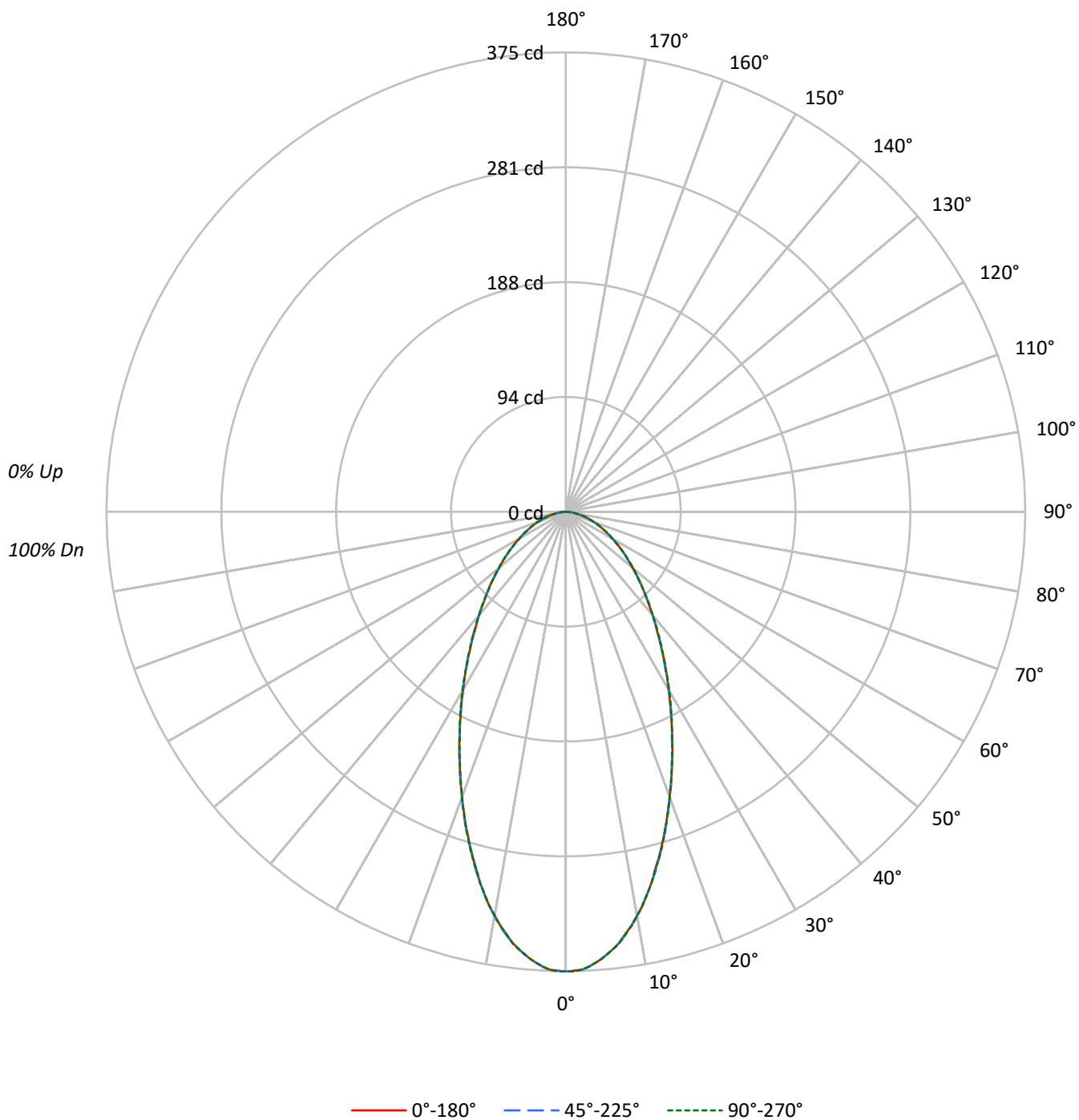
Lumens per Lamp: N/A
Luminaire Lumens: 470.0 lumens
Efficiency: N/A
Efficacy: 42.3 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	104	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	90	86	100	94	89	85	91	86	83		88	84	81		85
3	95	87	80	74	93	85	79	74	82	77	72		80	75	71		77
4	89	79	71	65	87	77	70	65	75	69	64		73	68	63		71
5	83	72	64	58	81	71	64	58	69	62	58		67	61	57		65
6	77	66	58	53	76	65	58	52	63	57	52		62	56	52		60
7	73	61	53	48	71	60	53	48	59	52	47		57	51	47		56
8	68	56	49	44	67	56	49	44	55	48	44		53	48	43		52
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49
10	61	49	42	37	60	49	42	37	48	42	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	64652	64652	64652
5°	62998	62998	62998
10°	58550	58655	58550
15°	52206	52330	52330
20°	45397	45507	45397
25°	39107	38974	38974
30°	33350	33489	33608
35°	28614	28614	28740
40°	24798	24798	24798
45°	21677	21677	21677
50°	19023	19023	19184
55°	17055	17055	17055
60°	15121	15121	15121
65°	13652	13652	13652
70°	12337	12035	12337
75°	11179	10713	10713
80°	8926	8926	8926
85°	6323	6323	6323

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21677 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.9	7.2
10°-20°	81.7	17.4
20°-30°	94.4	20.1
30°-40°	85.6	18.2
40°-50°	69.0	14.7
50°-60°	50.8	10.8
60°-70°	33.4	7.1
70°-80°	17.3	3.7
80°-90°	3.9	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°	210.0	44.7
0°-40°	295.6	62.9
0°-60°	415.4	88.4
0°-90°	470.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	470.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	375	375	375	375	375	
5°	364	366	364	364	364	34
15°	293	294	294	293	294	82
25°	206	205	205	206	205	94
35°	136	136	136	136	137	85
45°	89	89	89	89	89	69
55°	57	57	57	56	57	51
65°	34	34	34	34	34	33
75°	17	16	16	16	16	18
85°	3	3	3	3	3	4
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	375.4	375.4	375.4	375.4	375.4
1°	374.8	376.1	374.8	374.8	375.4
2°	374.1	374.8	374.1	374.1	374.1
3°	371.5	372.8	371.5	371.5	371.5
4°	368.3	369.6	368.3	368.3	368.3
5°	364.4	365.7	364.4	364.4	364.4
6°	359.9	360.6	359.9	359.9	359.9
7°	354.8	355.4	354.8	354.8	355.4
8°	348.3	349.0	349.0	348.3	348.3
9°	341.9	342.5	342.5	341.9	342.5
10°	334.8	335.4	335.4	334.8	334.8
11°	327.7	328.3	327.0	327.0	327.7
12°	319.3	319.9	319.3	319.3	319.3
13°	310.9	310.9	310.9	310.9	310.9
14°	301.2	302.5	302.5	301.9	301.2
15°	292.8	293.5	293.5	292.8	293.5
17.5°	270.3	271.6	270.9	270.9	270.9
20°	247.7	248.3	248.3	247.7	247.7
22.5°	226.4	225.8	225.8	225.8	225.8
25°	205.8	205.1	205.1	205.8	205.1
27.5°	185.8	186.4	186.4	185.8	186.4
30°	167.7	167.7	168.4	167.7	169.0
32.5°	151.6	151.6	150.9	151.6	151.6
35°	136.1	136.1	136.1	136.1	136.7
37.5°	121.9	122.6	123.2	123.2	122.6
40°	110.3	110.3	110.3	110.3	110.3
42.5°	98.7	98.7	99.3	99.3	99.3
45°	89.0	89.0	89.0	89.0	89.0
47.5°	80.0	80.0	79.3	79.3	80.0
50°	71.0	71.6	71.0	71.0	71.6
52.5°	63.9	63.2	63.2	63.9	63.9
55°	56.8	56.8	56.8	56.1	56.8
57.5°	50.3	50.3	49.7	49.7	49.7
60°	43.9	43.9	43.9	43.9	43.9
62.5°	38.7	38.7	38.7	38.7	38.7
65°	33.5	33.5	33.5	33.5	33.5
67.5°	29.0	29.0	29.0	29.0	28.4
70°	24.5	24.5	23.9	23.9	24.5
72.5°	20.0	20.0	20.0	20.0	20.0
75°	16.8	16.1	16.1	16.1	16.1
77.5°	12.9	12.9	12.3	12.9	12.3
80°	9.0	9.0	9.0	9.0	9.0
82.5°	6.5	5.8	5.8	5.8	5.8
85°	3.2	3.2	3.2	3.2	3.2
87.5°	0.6	0.6	0.6	0.6	1.3



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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)