

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: P1305743

Luminaire Tested: P3SQAS09R259024DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305743
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R259024DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

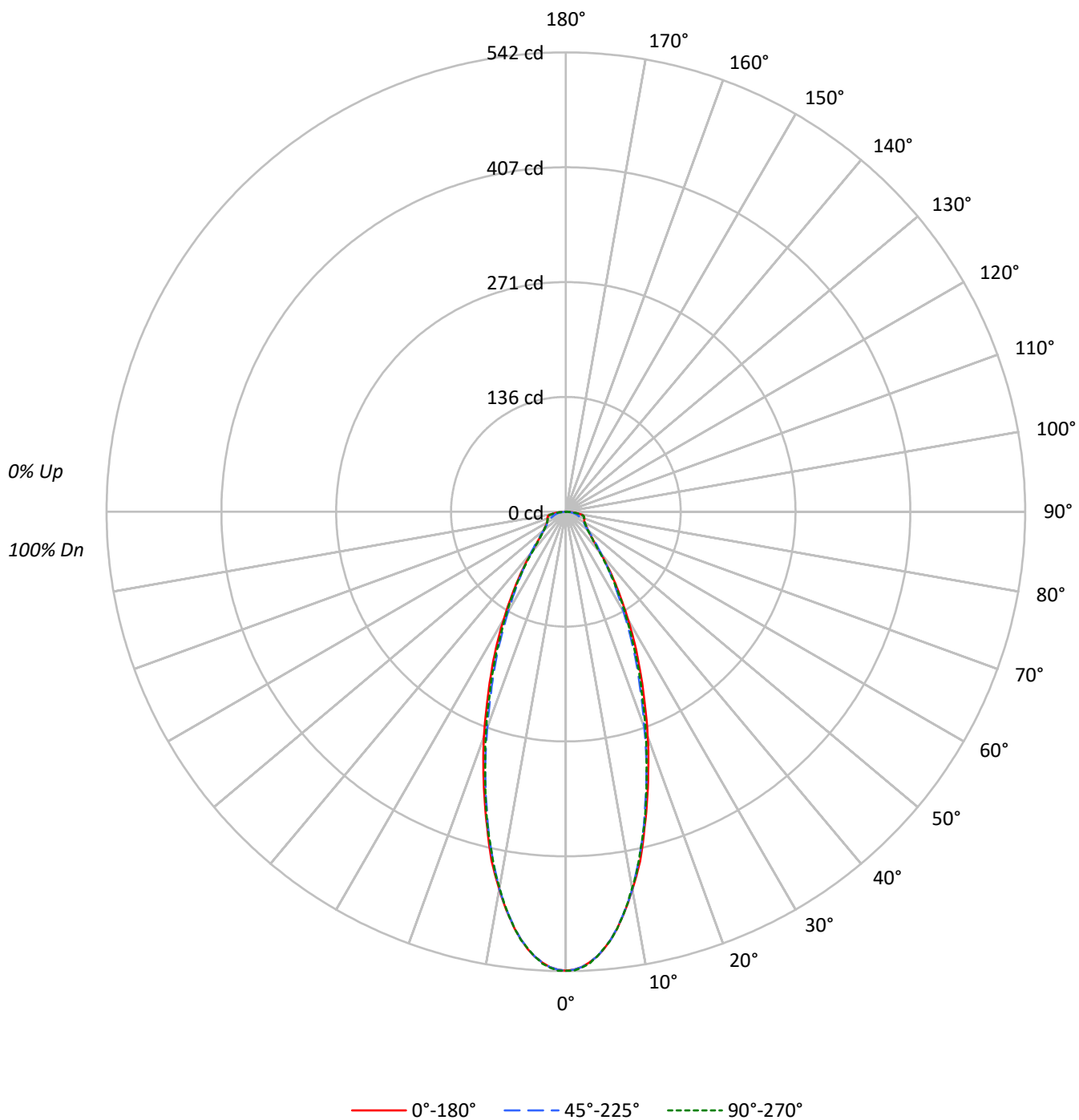
Lumens per Lamp: N/A
Luminaire Lumens: 409.0 lumens
Efficiency: N/A
Efficacy: 36.8 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	93259	93259	93259
5°	89483	89379	89379
10°	79115	78993	78766
15°	65328	64401	64758
20°	51757	49631	50456
25°	39412	37340	38309
30°	29034	26986	28139
35°	20793	19847	20099
40°	14231	14523	13804
45°	10546	11179	10400
50°	9190	9190	9002
55°	8738	8347	8738
60°	8887	8232	8887
65°	9740	8436	9740
70°	11733	8460	11380
75°	14639	9050	14639
80°	18546	9620	17257
85°	15413	8892	15413

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 18546 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.3	11.6
10°-20°	100.4	24.6
20°-30°	92.0	22.5
30°-40°	60.7	14.8
40°-50°	35.3	8.6
50°-60°	25.8	6.3
60°-70°	21.9	5.4
70°-80°	18.1	4.4
80°-90°	7.5	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°	239.7	58.6
0°-40°	300.4	73.4
0°-60°	361.5	88.4
0°-90°	409.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	409.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	542	542	542	542	542	
5°	518	517	517	518	517	47
15°	366	365	361	362	363	102
25°	207	202	196	197	202	95
35°	99	97	94	94	96	63
45°	43	45	46	43	43	35
55°	29	29	28	28	29	26
65°	24	22	21	22	24	24
75°	22	17	14	17	22	23
85°	8	8	4	8	8	9
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	541.5	541.5	541.5	541.5	541.5
1°	540.3	540.3	540.3	540.3	541.5
2°	537.7	537.0	537.7	537.7	538.3
3°	532.5	532.5	532.5	532.5	533.8
4°	526.0	526.0	526.0	526.0	526.0
5°	517.6	517.0	517.0	517.6	517.0
6°	507.3	507.3	507.3	507.3	507.9
7°	495.7	495.0	495.0	494.4	495.7
8°	482.1	482.1	481.4	480.8	482.1
9°	467.9	468.5	467.2	466.6	466.6
10°	452.4	451.7	451.7	451.7	450.4
11°	436.9	434.9	434.3	434.3	435.6
12°	421.3	418.1	416.8	416.8	416.8
13°	402.6	401.3	399.4	398.1	398.7
14°	383.9	383.9	380.6	380.6	381.9
15°	366.4	365.1	361.2	362.5	363.2
17.5°	323.1	320.5	316.0	316.0	316.7
20°	282.4	277.9	270.8	274.0	275.3
22.5°	242.3	237.8	230.7	233.9	235.2
25°	207.4	201.6	196.5	197.1	201.6
27.5°	175.8	169.3	164.1	166.1	168.7
30°	146.0	142.2	135.7	138.9	141.5
32.5°	120.8	117.6	113.1	115.0	117.6
35°	98.9	96.9	94.4	94.4	95.6
37.5°	80.1	79.5	78.2	77.5	76.9
40°	63.3	64.6	64.6	63.3	61.4
42.5°	51.7	53.0	54.3	51.7	49.8
45°	43.3	44.6	45.9	43.3	42.7
47.5°	38.1	38.8	39.4	38.1	37.5
50°	34.3	34.3	34.3	33.6	33.6
52.5°	31.7	31.0	30.4	31.0	31.0
55°	29.1	29.1	27.8	28.4	29.1
57.5°	27.1	26.5	25.8	26.5	27.1
60°	25.8	24.6	23.9	24.6	25.8
62.5°	24.6	23.3	22.0	23.3	24.6
65°	23.9	22.0	20.7	22.0	23.9
67.5°	23.3	20.7	18.7	20.7	23.3
70°	23.3	19.4	16.8	19.4	22.6
72.5°	22.6	18.1	15.5	18.1	22.6
75°	22.0	16.8	13.6	16.8	22.0
77.5°	21.3	15.5	11.6	15.5	20.7
80°	18.7	14.2	9.7	14.2	17.4
82.5°	13.6	11.6	7.8	11.6	12.9
85°	7.8	8.4	4.5	8.4	7.8
87.5°	1.3	1.9	1.3	3.2	2.6



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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)