

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: P1306878

Luminaire Tested: P3SQAS13R259027DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306878
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R259027DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

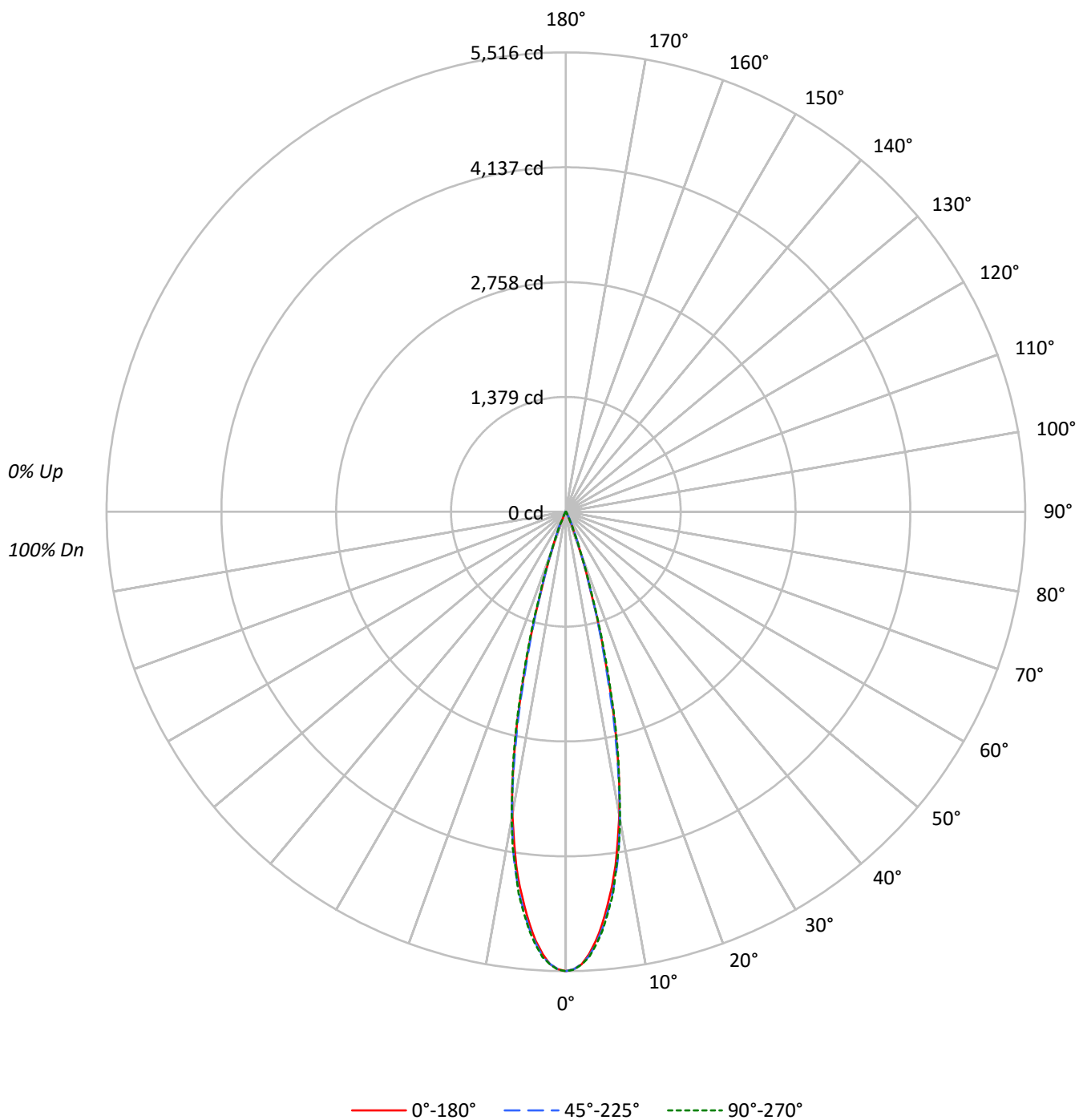
Lumens per Lamp: N/A
Luminaire Lumens: 1018.0 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	115	113	112	110	113	111	110	108	107	106	105		104	103	102		100
2	112	109	106	104	110	107	105	103	104	102	101		101	100	98		99
3	109	105	102	99	107	104	101	98	101	99	97		99	97	95		97
4	106	101	98	95	105	100	97	95	99	96	94		97	94	93		95
5	104	98	95	92	102	98	94	92	96	93	91		95	92	90		93
6	101	96	92	89	100	95	92	89	94	91	89		93	90	88		91
7	99	93	89	87	98	93	89	87	92	89	86		91	88	86		90
8	97	91	87	85	96	90	87	85	90	86	84		89	86	84		88
9	95	89	85	83	94	88	85	83	88	85	82		87	84	82		86
10	93	87	83	81	92	86	83	81	86	83	81		85	82	80		85

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	949997	949997	949997
5°	860876	868725	872960
10°	647176	651776	654784
15°	320437	310898	331616
20°	90501	92004	92994
25°	15696	29663	18623
30°	6145	6324	6503
35°	1913	2102	2102
40°	607	809	607
45°	438	219	438
50°	241	0	241
55°	270	0	270
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 438 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	438.2	43.0
10°-20°	494.2	48.5
20°-30°	76.6	7.5
30°-40°	7.8	0.8
40°-50°	1.0	0.1
50°-60°	0.2	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1009.0	99.1
0°-40°	1016.8	99.9
0°-60°	1018.0	100.0
0°-90°	1018.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1018.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5516	5516	5516	5516	5516	
5°	4980	4989	5025	5045	5050	434
15°	1797	1784	1744	1822	1860	492
25°	83	122	156	119	98	69
35°	9	10	10	11	10	7
45°	2	1	1	1	2	1
55°	1	0	0	0	1	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5516.1	5516.1	5516.1	5516.1	5516.1
1°	5493.4	5500.6	5492.5	5501.5	5500.6
2°	5436.2	5443.4	5433.5	5438.9	5438.9
3°	5319.1	5334.5	5343.6	5349.9	5355.4
4°	5164.8	5182.0	5195.6	5212.0	5212.0
5°	4979.6	4988.7	5025.0	5045.0	5049.5
6°	4759.0	4795.3	4822.6	4862.5	4838.0
7°	4538.5	4568.4	4606.5	4612.9	4630.1
8°	4287.9	4319.7	4355.1	4348.8	4334.2
9°	3983.0	4029.3	4071.0	4057.4	4075.5
10°	3700.7	3728.8	3727.0	3713.4	3744.2
11°	3373.0	3379.3	3343.9	3399.3	3365.7
12°	2984.5	2989.9	2944.6	2999.0	3033.5
13°	2612.3	2599.6	2537.0	2608.7	2652.3
14°	2183.9	2188.4	2108.6	2247.4	2236.6
15°	1797.2	1784.5	1743.7	1821.7	1859.9
17.5°	957.6	965.8	955.8	994.8	1019.3
20°	493.8	507.4	502.0	518.3	507.4
22.5°	256.0	275.0	280.5	267.8	233.3
25°	82.6	122.5	156.1	118.9	98.0
27.5°	49.9	49.0	76.2	52.6	53.6
30°	30.9	30.0	31.8	31.8	32.7
32.5°	17.2	18.2	17.2	19.1	18.2
35°	9.1	10.0	10.0	10.9	10.0
37.5°	5.4	6.4	6.4	6.4	5.4
40°	2.7	3.6	3.6	2.7	2.7
42.5°	1.8	1.8	1.8	1.8	1.8
45°	1.8	0.9	0.9	0.9	1.8
47.5°	0.9	0.9	0.0	0.9	0.9
50°	0.9	0.9	0.0	0.9	0.9
52.5°	0.9	0.0	0.0	0.0	0.9
55°	0.9	0.0	0.0	0.0	0.9
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)