

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: P1311463

Luminaire Tested: P3SQAS17R259050DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311463
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R259050DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

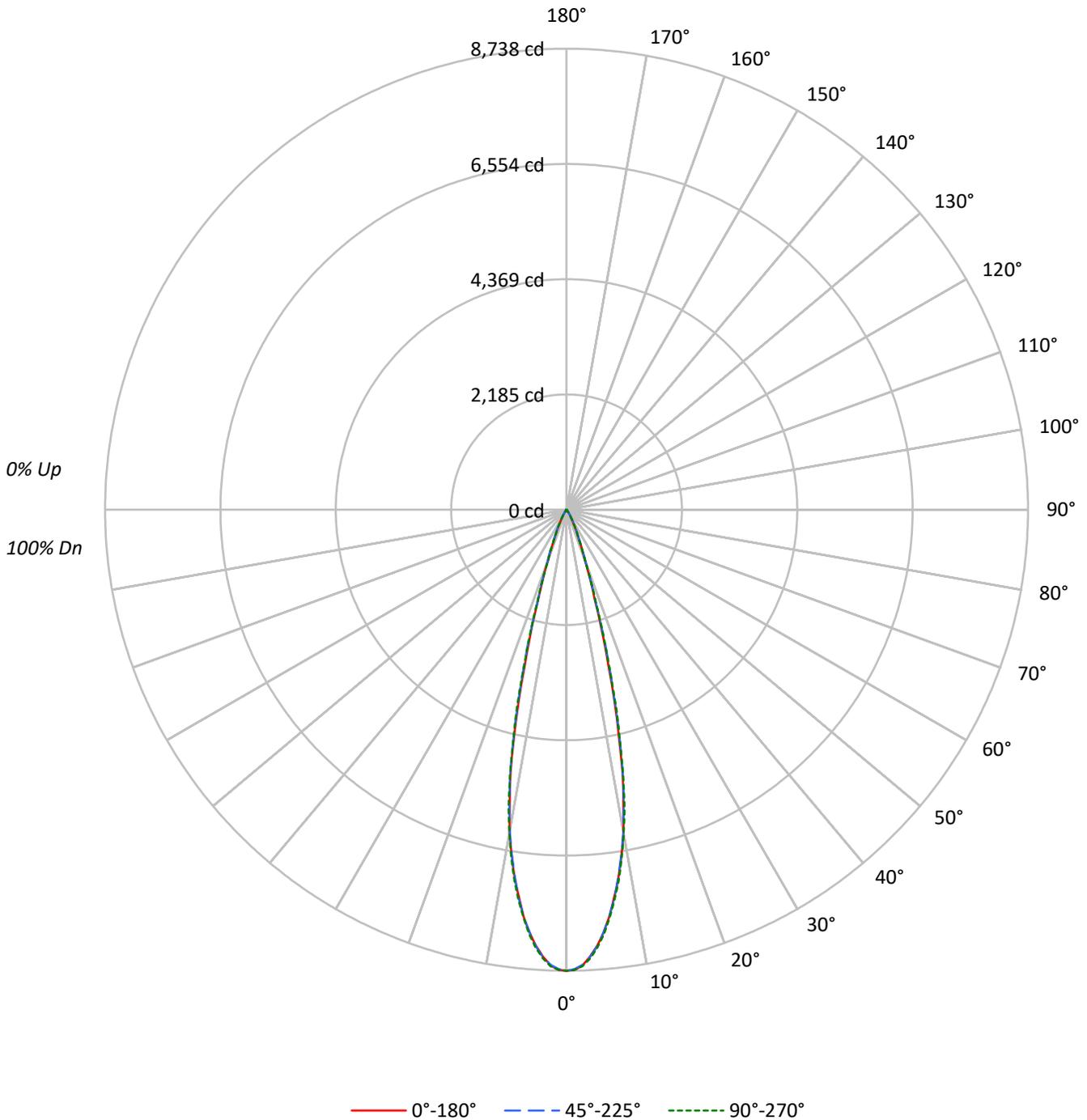
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1846.0 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
Input Voltage (V): NR
Input Current (A_{in}): 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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	99	99	99	97
2	112	108	105	103	110	107	104	102	103	101	100	101	99	97	98	97	95	95	95	95	94
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	93	93	93	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	90	90	90	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	87	87	87	86
6	100	94	90	87	98	93	89	87	92	88	86	90	88	86	89	87	85	85	85	85	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	83	83	83	82
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	81	81	81	80
9	92	86	82	80	91	86	82	79	85	82	79	84	81	79	83	81	79	79	79	79	78
10	90	84	80	78	89	84	80	77	83	80	77	82	79	77	82	79	77	77	77	77	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1504916	1504916	1504916
5°	1390046	1389562	1397341
10°	1085827	1082889	1090268
15°	546252	569074	568574
20°	186904	192073	188975
25°	75118	84467	78329
30°	30486	36373	29651
35°	8872	15979	8872
40°	4114	6947	4114
45°	1364	2752	1364
50°	750	1125	750
55°	841	841	841
60°	964	964	964
65°	571	571	571
70°	705	705	705
75°	932	932	932
80°	0	1389	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2752 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	708.9	38.4
10°-20°	867.7	47.0
20°-30°	212.0	11.5
30°-40°	43.8	2.4
40°-50°	7.6	0.4
50°-60°	2.5	0.1
60°-70°	2.0	0.1
70°-80°	1.3	0.1
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°	1788.6	96.9
0°-40°	1832.4	99.3
0°-60°	1842.6	99.8
0°-90°	1846.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1846.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8738	8738	8738	8738	8738	
5°	8040	8048	8038	8055	8083	708
15°	3064	3116	3192	3206	3189	855
25°	395	414	444	419	412	202
35°	42	59	76	58	42	36
45°	6	8	11	8	6	6
55°	3	3	3	3	3	3
65°	1	3	1	1	1	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8738.2	8738.2	8738.2	8738.2	8738.2
1°	8721.4	8710.1	8707.3	8708.7	8722.8
2°	8642.6	8635.6	8634.1	8638.4	8658.1
3°	8482.2	8490.7	8493.5	8507.5	8517.4
4°	8285.3	8302.2	8295.1	8312.0	8323.3
5°	8040.5	8047.6	8037.7	8054.6	8082.7
6°	7755.0	7729.7	7753.6	7760.6	7780.3
7°	7399.1	7404.7	7413.2	7421.6	7451.1
8°	7048.8	7031.9	7027.7	7067.1	7091.0
9°	6639.5	6642.3	6626.8	6671.8	6678.9
10°	6209.0	6173.9	6192.2	6227.3	6234.4
11°	5640.8	5630.9	5657.6	5712.5	5756.1
12°	5107.6	5113.2	5141.4	5159.7	5149.8
13°	4402.9	4445.1	4480.2	4498.5	4474.6
14°	3765.7	3765.7	3810.7	3817.7	3903.5
15°	3063.7	3115.8	3191.7	3205.8	3188.9
17.5°	1769.6	1776.6	1813.2	1811.8	1838.5
20°	1019.8	1029.7	1048.0	1043.7	1031.1
22.5°	613.3	634.4	678.0	642.8	633.0
25°	395.3	413.6	444.5	419.2	412.2
27.5°	247.6	260.2	284.1	261.6	250.4
30°	153.3	160.4	182.9	161.8	149.1
32.5°	83.0	101.3	119.6	101.3	83.0
35°	42.2	59.1	76.0	57.7	42.2
37.5°	28.1	33.8	49.2	32.4	28.1
40°	18.3	22.5	30.9	22.5	18.3
42.5°	9.8	14.1	16.9	15.5	9.8
45°	5.6	8.4	11.3	8.4	5.6
47.5°	4.2	4.2	7.0	4.2	2.8
50°	2.8	2.8	4.2	2.8	2.8
52.5°	2.8	2.8	2.8	2.8	2.8
55°	2.8	2.8	2.8	2.8	2.8
57.5°	2.8	2.8	2.8	2.8	2.8
60°	2.8	2.8	2.8	2.8	2.8
62.5°	2.8	2.8	2.8	2.8	2.8
65°	1.4	2.8	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4
80°	0.0	0.0	1.4	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)