

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: P1312423

Luminaire Tested: P3SQAS13R259727DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312423
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R259727DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

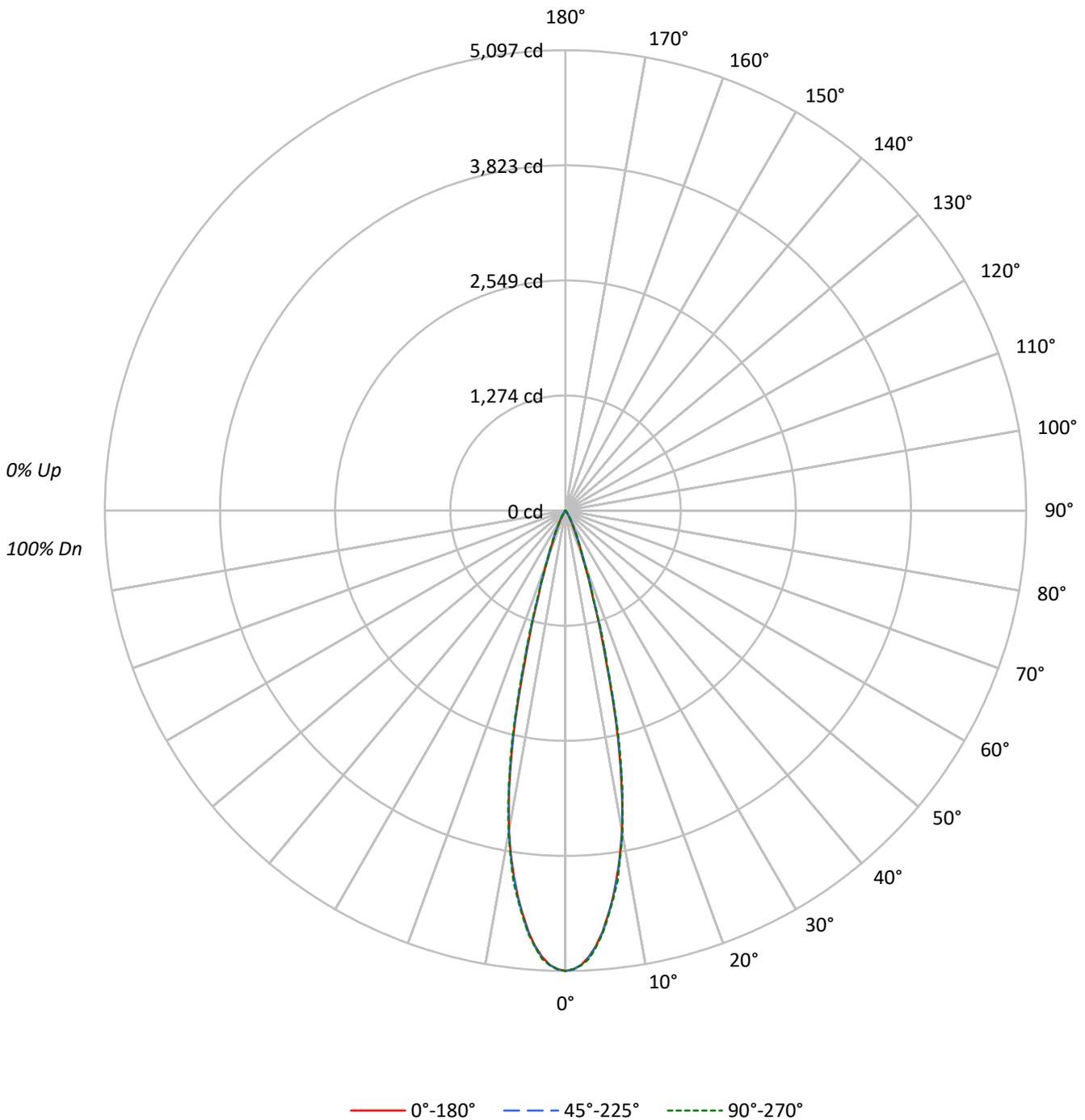
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1061.0 lumens
Efficiency: N/A
Efficacy: 72.7 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
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 (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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99
1	115	113	111	110	113	111	110	108	107	106	105	103	103	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94	94	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89	89	89
5	103	97	93	90	101	96	93	90	95	92	89	93	91	89	92	90	88	87	87	87
6	100	94	90	87	99	93	90	87	92	89	87	91	88	86	90	87	85	84	84	84
7	97	91	87	85	96	91	87	84	90	86	84	89	86	84	88	85	83	82	82	82
8	95	89	85	82	94	88	85	82	87	84	82	87	84	82	86	83	81	80	80	80
9	93	86	83	80	92	86	82	80	85	82	80	85	82	80	84	81	79	78	78	78
10	91	84	81	78	90	84	80	78	83	80	78	83	80	78	82	79	77	77	77	77

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	877853	877853	877853
5°	809444	811276	812953
10°	628482	630755	634165
15°	310577	323647	323789
20°	104577	111596	106666
25°	43307	48115	44542
30°	17003	21358	17162
35°	4457	8725	4625
40°	1641	3485	1641
45°	195	999	195
50°	0	214	0
55°	0	0	0
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: 45°
 Vertical Angle: 45°
 Luminance: 999 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.0	38.9
10°-20°	499.6	47.1
20°-30°	122.0	11.5
30°-40°	23.7	2.2
40°-50°	2.7	0.3
50°-60°	0.0	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°	1034.6	97.5
0°-40°	1058.3	99.7
0°-60°	1061.0	100.0
0°-90°	1061.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1061.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5097	5097	5097	5097	5097	
5°	4682	4689	4693	4713	4702	412
15°	1742	1784	1815	1833	1816	491
25°	228	240	253	243	234	116
35°	21	30	42	30	22	19
45°	1	2	4	2	1	1
55°	0	0	0	0	0	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5097.2	5097.2	5097.2	5097.2	5097.2
1°	5077.7	5080.9	5081.8	5086.6	5076.9
2°	5031.3	5032.1	5034.5	5044.3	5035.4
3°	4945.8	4951.5	4952.3	4965.4	4967.8
4°	4829.4	4832.7	4839.2	4861.2	4841.6
5°	4682.1	4688.6	4692.7	4713.0	4702.4
6°	4499.7	4501.4	4510.3	4533.9	4519.3
7°	4314.2	4313.3	4314.2	4332.9	4328.8
8°	4090.3	4086.2	4099.3	4122.1	4137.5
9°	3856.7	3862.4	3870.5	3892.5	3874.6
10°	3593.8	3609.2	3606.8	3608.4	3626.3
11°	3291.0	3295.9	3296.7	3313.8	3311.3
12°	2935.3	2935.3	2962.1	2989.8	2980.8
13°	2576.3	2601.5	2583.6	2589.3	2625.1
14°	2157.9	2177.4	2201.8	2224.6	2206.7
15°	1741.9	1783.5	1815.2	1833.1	1816.0
17.5°	998.0	1011.8	1038.7	1041.9	1031.3
20°	570.6	587.7	608.9	602.4	582.0
22.5°	359.0	363.9	385.0	374.4	369.6
25°	227.9	240.1	253.2	242.6	234.4
27.5°	141.6	149.8	163.6	152.2	143.3
30°	85.5	92.8	107.4	92.0	86.3
32.5°	44.8	55.4	67.6	56.2	44.8
35°	21.2	30.1	41.5	30.1	22.0
37.5°	13.0	16.3	25.2	16.3	13.0
40°	7.3	10.6	15.5	10.6	7.3
42.5°	3.3	5.7	7.3	5.7	4.1
45°	0.8	2.4	4.1	2.4	0.8
47.5°	0.0	0.0	2.4	0.8	0.0
50°	0.0	0.0	0.8	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
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)