

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: P1306077

Luminaire Tested: P3SQASS17R309024DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306077
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS17R309024DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

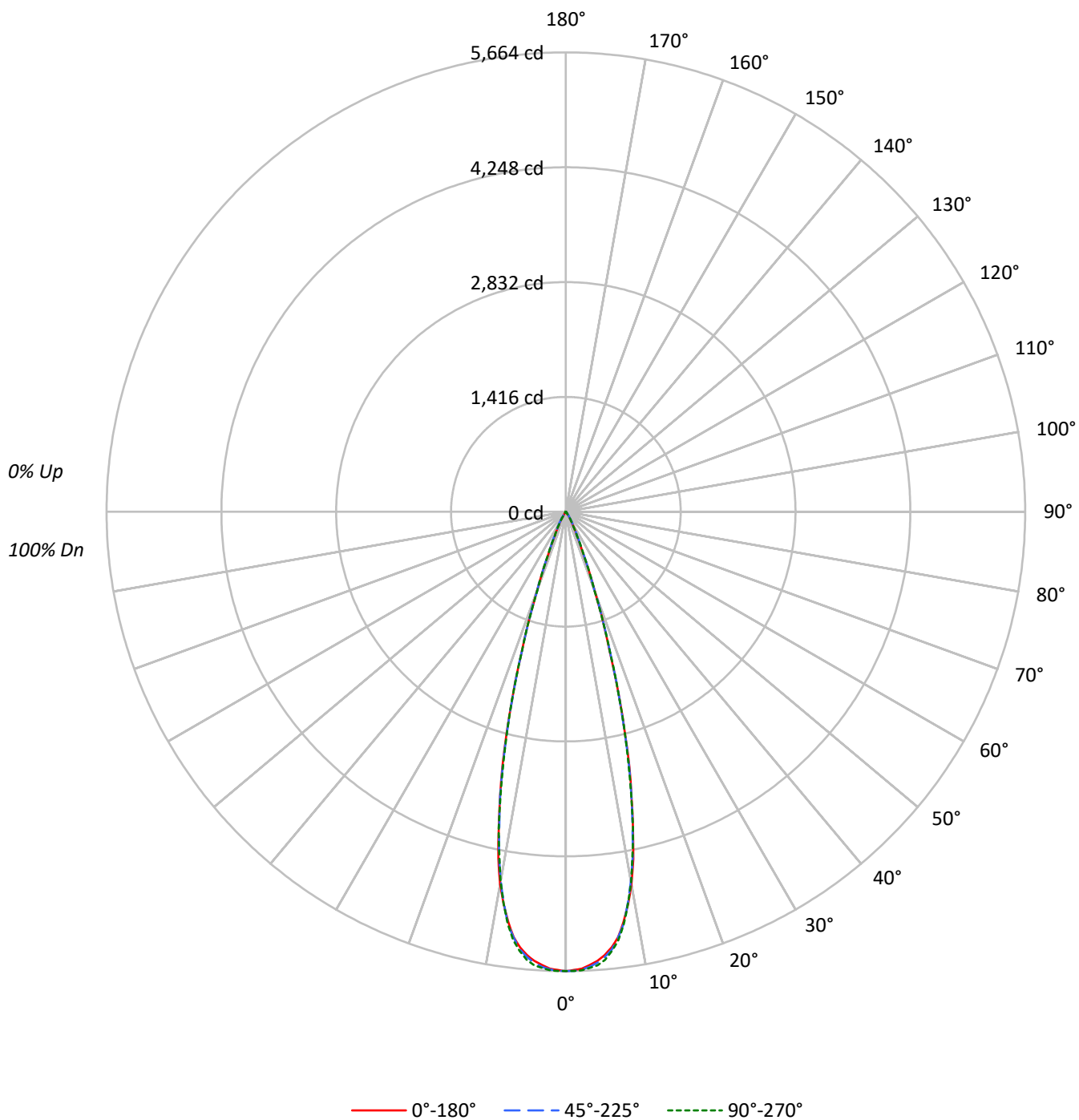
Lumens per Lamp: N/A
Luminaire Lumens: 1473.0 lumens
Efficiency: N/A
Efficacy: 69.5 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
Input Voltage (V): NR
Input Current (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	111	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	104	101	103	101	99		100	99	97		98
3	108	103	100	97	106	102	99	96	100	97	95		97	95	93		95
4	105	99	96	93	103	98	95	92	96	93	91		95	92	90		93
5	102	96	92	89	100	95	91	89	94	90	88		92	89	87		91
6	99	93	89	86	98	92	88	85	91	87	85		90	87	84		88
7	96	90	86	83	95	89	85	83	88	85	82		87	84	82		86
8	94	87	83	80	93	87	83	80	86	82	80		85	82	80		84
9	91	85	81	78	90	84	80	78	83	80	78		83	80	77		82
10	89	82	78	76	88	82	78	76	81	78	76		81	78	75		80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	975417	975417	975417
5°	948682	952814	958709
10°	815778	808817	809622
15°	501267	497220	497612
20°	190771	191193	187656
25°	60676	63925	60904
30°	24401	30287	25077
35°	7884	13372	7884
40°	3575	5868	3575
45°	1388	2484	1388
50°	616	1206	616
55°	691	691	691
60°	792	792	792
65°	448	448	448
70°	554	554	554
75°	732	732	732
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2484 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	499.6	33.9
10°-20°	741.1	50.3
20°-30°	184.1	12.5
30°-40°	36.8	2.5
40°-50°	6.7	0.5
50°-60°	2.1	0.1
60°-70°	1.5	0.1
70°-80°	1.0	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°	1424.9	96.7
0°-40°	1461.6	99.2
0°-60°	1470.4	99.8
0°-90°	1473.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1473.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5664	5664	5664	5664	5664	
5°	5488	5506	5511	5519	5546	499
15°	2811	2817	2789	2798	2791	744
25°	319	326	336	332	320	179
35°	38	49	64	48	38	30
45°	6	7	10	8	6	5
55°	2	2	2	2	2	2
65°	1	1	1	1	1	2
75°	1	1	1	1	1	1
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°	5663.7	5663.7	5663.7	5663.7	5663.7
1°	5651.2	5658.0	5662.5	5662.5	5662.5
2°	5635.3	5639.8	5646.6	5647.8	5656.8
3°	5597.8	5608.0	5619.3	5626.2	5630.7
4°	5552.3	5565.9	5572.8	5589.8	5604.6
5°	5487.5	5505.7	5511.4	5519.3	5545.5
6°	5400.0	5413.7	5425.0	5428.4	5444.3
7°	5284.1	5290.9	5288.7	5294.3	5322.8
8°	5108.0	5110.3	5129.6	5117.1	5136.4
9°	4898.9	4889.8	4885.3	4894.3	4895.5
10°	4664.8	4634.1	4625.0	4617.1	4629.6
11°	4361.4	4321.6	4325.0	4322.7	4304.6
12°	3984.1	3979.6	3950.0	3955.7	3983.0
13°	3598.9	3606.8	3601.2	3608.0	3577.3
14°	3237.5	3198.9	3209.1	3170.5	3185.2
15°	2811.4	2817.1	2788.7	2797.7	2790.9
17.5°	1800.0	1812.5	1803.4	1795.5	1808.0
20°	1040.9	1039.8	1043.2	1033.0	1023.9
22.5°	547.7	555.7	565.9	567.0	573.9
25°	319.3	326.1	336.4	331.8	320.5
27.5°	195.5	208.0	223.9	212.5	198.9
30°	122.7	133.0	152.3	134.1	126.1
32.5°	69.3	84.1	100.0	84.1	69.3
35°	37.5	48.9	63.6	47.7	37.5
37.5°	25.0	28.4	42.0	28.4	25.0
40°	15.9	19.3	26.1	19.3	15.9
42.5°	9.1	12.5	14.8	12.5	9.1
45°	5.7	6.8	10.2	8.0	5.7
47.5°	2.3	3.4	6.8	3.4	3.4
50°	2.3	2.3	4.5	2.3	2.3
52.5°	2.3	2.3	2.3	2.3	2.3
55°	2.3	2.3	2.3	2.3	2.3
57.5°	2.3	2.3	2.3	2.3	2.3
60°	2.3	2.3	2.3	2.3	2.3
62.5°	2.3	2.3	2.3	2.3	2.3
65°	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1
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)