

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: P1311948

Luminaire Tested: P3SQAS02R309727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311948
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: P3SQAS02R309727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

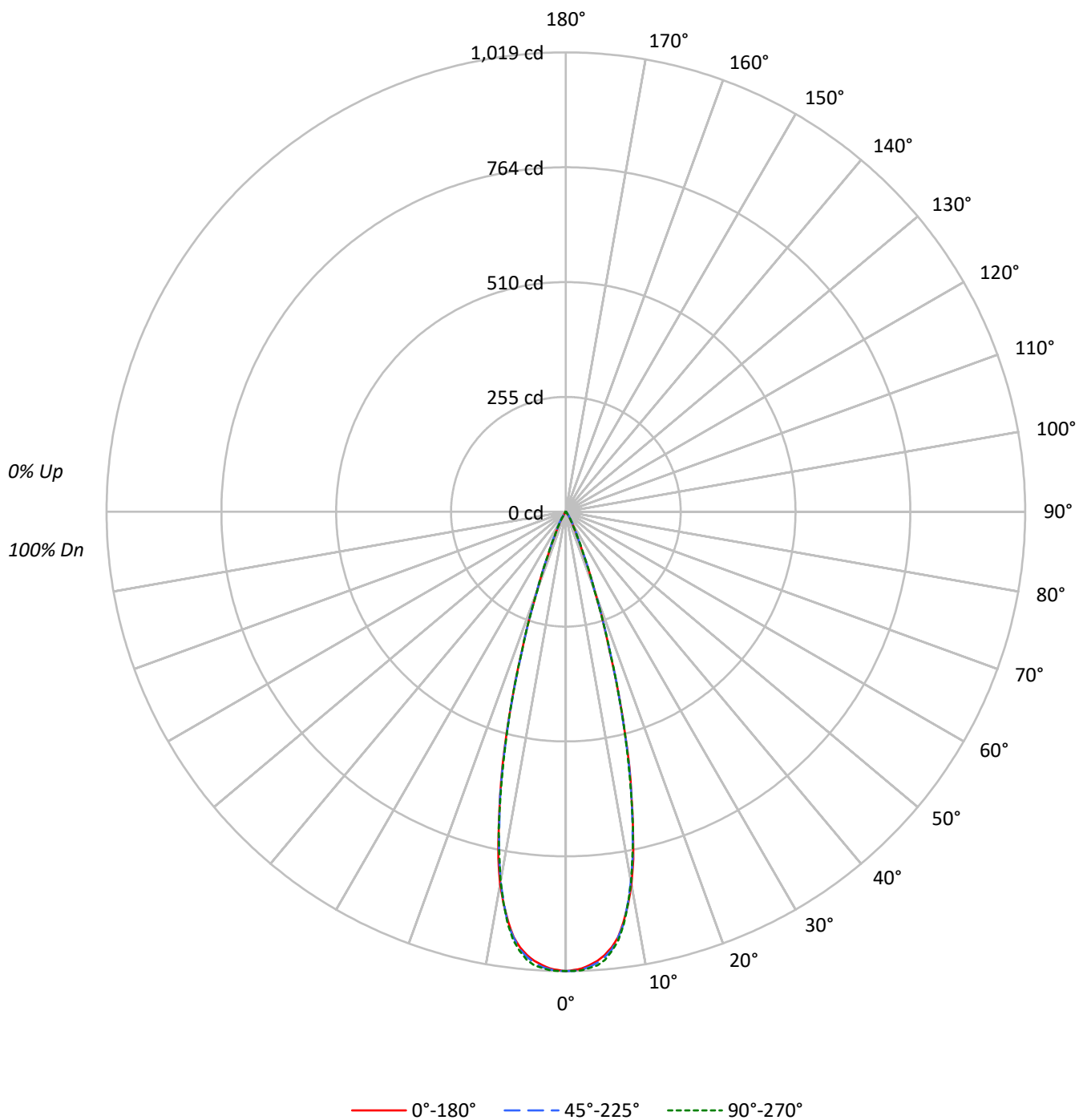
Lumens per Lamp: N/A
Luminaire Lumens: 265.0 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	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°	175478	175478	175478
5°	170668	171411	172483
10°	146759	145517	145657
15°	90183	89452	89523
20°	34328	34401	33759
25°	10908	11497	10965
30°	4395	5449	4514
35°	1409	2397	1409
40°	652	1057	652
45°	244	438	244
50°	107	214	107
55°	120	120	120
60°	138	138	138
65°	82	82	82
70°	101	101	101
75°	133	133	133
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 438 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.9	33.9
10°-20°	133.3	50.3
20°-30°	33.1	12.5
30°-40°	6.6	2.5
40°-50°	1.2	0.4
50°-60°	0.4	0.1
60°-70°	0.3	0.1
70°-80°	0.2	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°	256.3	96.7
0°-40°	263.0	99.2
0°-60°	264.5	99.8
0°-90°	265.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	265.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1019	1019	1019	1019	1019	
5°	987	990	992	993	998	90
15°	506	507	502	503	502	134
25°	57	59	60	60	58	32
35°	7	9	11	9	7	5
45°	1	1	2	1	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1018.9	1018.9	1018.9	1018.9	1018.9
1°	1016.7	1017.9	1018.7	1018.7	1018.7
2°	1013.8	1014.6	1015.9	1016.1	1017.7
3°	1007.1	1008.9	1010.9	1012.2	1013.0
4°	998.9	1001.3	1002.6	1005.6	1008.3
5°	987.2	990.5	991.5	993.0	997.7
6°	971.5	973.9	976.0	976.6	979.5
7°	950.6	951.9	951.5	952.5	957.6
8°	919.0	919.4	922.8	920.6	924.1
9°	881.3	879.7	878.9	880.5	880.7
10°	839.2	833.7	832.1	830.6	832.9
11°	784.6	777.5	778.1	777.7	774.4
12°	716.8	715.9	710.6	711.7	716.6
13°	647.5	648.9	647.9	649.1	643.6
14°	582.4	575.5	577.3	570.4	573.0
15°	505.8	506.8	501.7	503.3	502.1
17.5°	323.8	326.1	324.4	323.0	325.3
20°	187.3	187.1	187.7	185.8	184.2
22.5°	98.5	100.0	101.8	102.0	103.2
25°	57.4	58.7	60.5	59.7	57.7
27.5°	35.2	37.4	40.3	38.2	35.8
30°	22.1	23.9	27.4	24.1	22.7
32.5°	12.5	15.1	18.0	15.1	12.5
35°	6.7	8.8	11.4	8.6	6.7
37.5°	4.5	5.1	7.6	5.1	4.5
40°	2.9	3.5	4.7	3.5	2.9
42.5°	1.6	2.2	2.7	2.2	1.6
45°	1.0	1.2	1.8	1.4	1.0
47.5°	0.4	0.6	1.2	0.6	0.6
50°	0.4	0.4	0.8	0.4	0.4
52.5°	0.4	0.4	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.4
60°	0.4	0.4	0.4	0.4	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
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)