

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: P1312537

Luminaire Tested: P3SQAS17R159727DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312537
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R159727DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

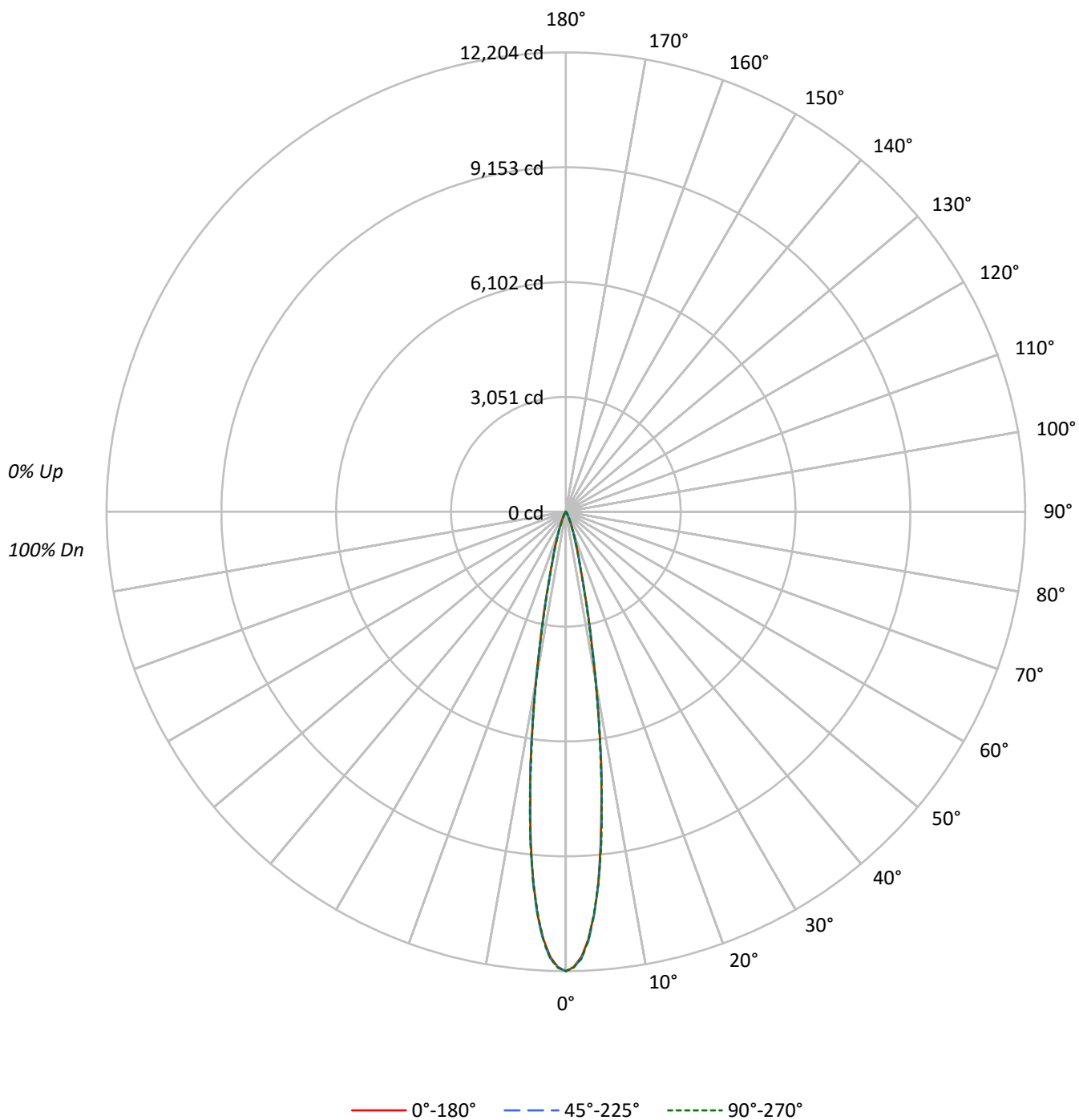
Lumens per Lamp: N/A
Luminaire Lumens: 1362.0 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	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	100
1	116	114	112	111	113	112	110	109	108	107	106		104	103	102		101	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101		102	101	99		99	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98	96	95	94
4	107	103	99	97	106	102	99	96	100	97	95		98	96	94		96	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95	93	91	90
6	103	97	94	92	102	97	94	91	96	93	91		94	92	90		93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89		93	90	88		92	90	88	87
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		90	88	87	86
9	97	91	88	86	96	91	88	86	90	88	86		90	87	85		89	87	85	84
10	95	90	87	84	95	90	86	84	89	86	84		88	86	84		88	85	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2101719	2101719	2101719
5°	1711189	1716773	1713419
10°	798237	805390	795212
15°	250669	252773	251240
20°	99317	103257	96146
25°	40115	48514	38689
30°	16068	22074	15213
35°	4752	9734	4520
40°	1461	3642	1214
45°	268	779	268
50°	0	295	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: 779 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	764.1	56.1
10°-20°	457.0	33.6
20°-30°	115.2	8.5
30°-40°	23.5	1.7
40°-50°	2.2	0.2
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°	1336.3	98.1
0°-40°	1359.8	99.8
0°-60°	1362.0	100.0
0°-90°	1362.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1362.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12204	12204	12204	12204	12204	
5°	9898	9880	9930	9906	9911	762
15°	1406	1418	1418	1397	1409	457
25°	211	230	255	226	204	108
35°	23	30	46	29	22	19
45°	1	2	3	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°	12203.5	12203.5	12203.5	12203.5	12203.5
1°	12093.6	12134.5	12113.0	12130.2	12110.8
2°	11831.8	11886.7	11869.5	11864.1	11879.2
3°	11370.7	11434.3	11432.1	11416.0	11390.1
4°	10741.6	10715.7	10755.6	10751.3	10707.1
5°	9898.1	9879.8	9930.4	9905.6	9911.0
6°	8866.0	8945.8	8928.5	8930.7	8951.2
7°	7757.5	7800.6	7837.2	7867.4	7825.4
8°	6739.5	6728.7	6731.9	6766.4	6650.1
9°	5599.7	5666.5	5623.4	5554.5	5598.6
10°	4564.5	4605.4	4605.4	4545.1	4547.2
11°	3639.1	3672.5	3648.8	3663.8	3569.0
12°	2933.4	2850.5	2831.1	2846.2	2845.1
13°	2239.7	2245.1	2239.7	2238.6	2227.8
14°	1756.0	1784.0	1772.1	1743.0	1730.1
15°	1405.9	1417.7	1417.7	1397.2	1409.1
17.5°	844.6	858.6	861.8	847.8	847.8
20°	541.9	548.3	563.4	543.0	524.6
22.5°	334.0	348.0	373.8	343.7	328.6
25°	211.1	230.5	255.3	226.2	203.6
27.5°	132.5	148.7	170.2	142.2	128.2
30°	80.8	91.6	111.0	89.4	76.5
32.5°	45.2	53.9	70.0	51.7	43.1
35°	22.6	30.2	46.3	29.1	21.5
37.5°	12.9	16.2	29.1	14.0	11.9
40°	6.5	8.6	16.2	8.6	5.4
42.5°	2.2	4.3	6.5	4.3	2.2
45°	1.1	2.2	3.2	2.2	1.1
47.5°	0.0	0.0	1.1	0.0	0.0
50°	0.0	0.0	1.1	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)