

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: P1313211

Luminaire Tested: P3SQAS09R209730DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313211
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R209730DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

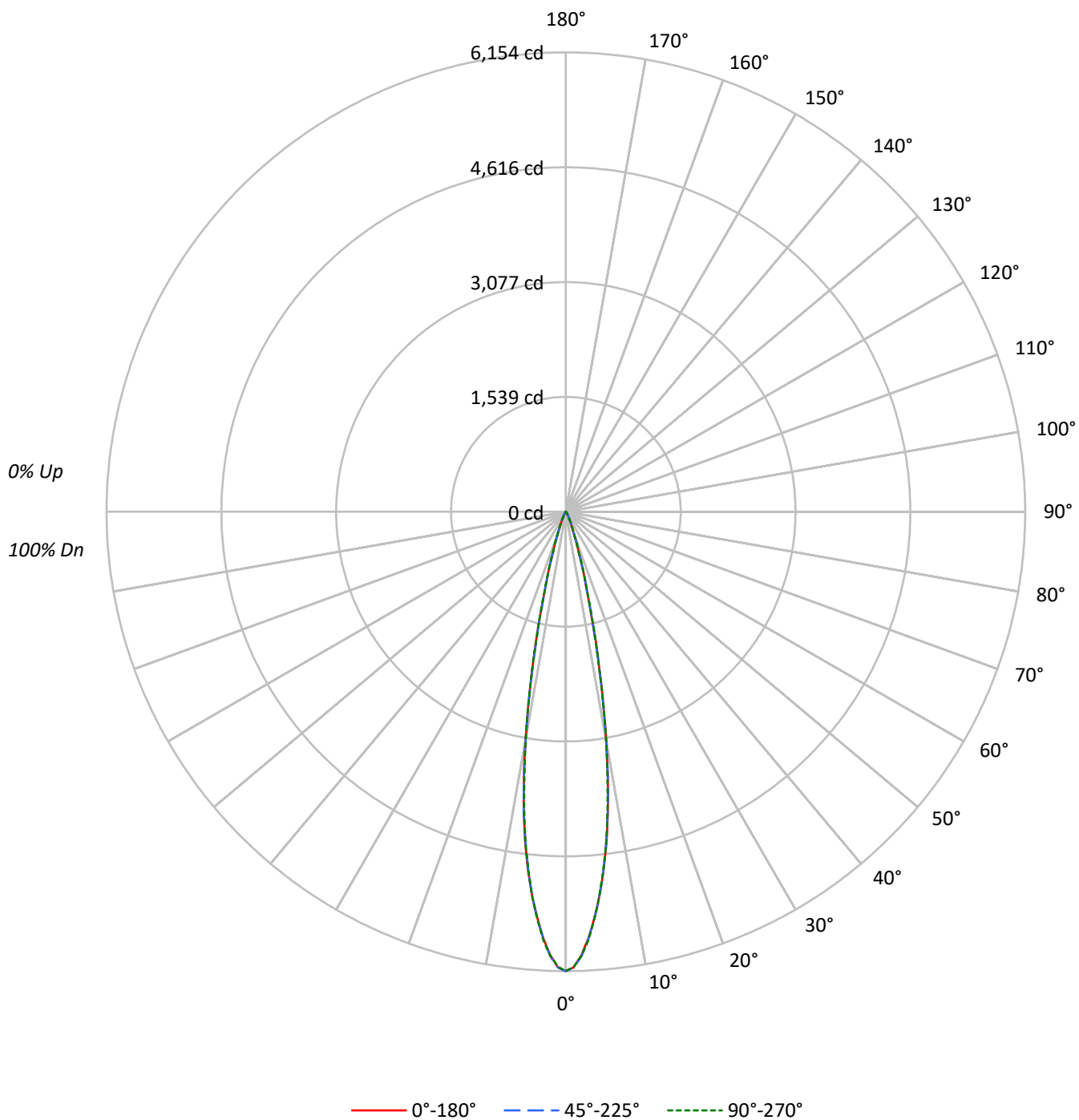
Lumens per Lamp: N/A
Luminaire Lumens: 848.1 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	116	114	112	110	113	111	110	109	108	106	105		104	103	102		101
2	112	109	106	104	110	107	105	103	104	102	101		102	100	99		99
3	109	105	102	100	108	104	101	99	102	99	97		99	97	96		97
4	107	102	98	96	105	101	98	95	99	96	94		97	95	93		96
5	104	99	95	93	103	98	95	92	97	94	92		95	93	91		94
6	102	96	93	90	101	96	92	90	94	92	89		93	91	89		92
7	100	94	90	88	99	94	90	88	92	90	87		91	89	87		91
8	97	92	88	86	97	91	88	86	91	88	86		90	87	85		89
9	96	90	87	84	95	90	86	84	89	86	84		88	85	84		87
10	94	88	85	83	93	88	85	82	87	84	82		87	84	82		86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1059789	1059789	1059789
5°	893239	893585	893118
10°	544312	541794	543053
15°	191742	192544	198517
20°	60243	61929	60609
25°	22575	24684	23183
30°	8750	12389	9128
35°	3301	5508	3595
40°	1776	2361	1776
45°	633	1120	804
50°	348	536	348
55°	390	390	390
60°	241	241	241
65°	285	285	285
70°	352	352	352
75°	0	0	466
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1120 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	427.2	50.4
10°-20°	335.0	39.5
20°-30°	65.8	7.8
30°-40°	14.8	1.7
40°-50°	3.4	0.4
50°-60°	1.1	0.1
60°-70°	0.7	0.1
70°-80°	0.3	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°	827.9	97.6
0°-40°	842.6	99.4
0°-60°	847.1	99.9
0°-90°	848.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	848.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6154	6154	6154	6154	6154	
5°	5167	5171	5169	5186	5166	428
15°	1075	1080	1080	1104	1113	334
25°	119	127	130	128	122	63
35°	16	19	26	19	17	12
45°	3	4	5	4	3	3
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	1	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°	6153.6	6153.6	6153.6	6153.6	6153.6
1°	6103.7	6090.6	6105.7	6093.9	6096.5
2°	5945.6	5938.4	5958.1	5945.6	5952.2
3°	5725.8	5716.6	5731.1	5731.7	5750.1
4°	5463.4	5445.6	5467.3	5468.0	5471.2
5°	5166.8	5171.4	5168.8	5186.5	5166.1
6°	4833.5	4848.6	4828.9	4838.8	4810.5
7°	4460.8	4441.8	4432.0	4435.3	4454.9
8°	4049.5	4036.3	4050.8	4030.4	4016.7
9°	3592.2	3569.2	3584.9	3565.3	3545.6
10°	3112.5	3102.1	3098.1	3075.8	3105.3
11°	2631.6	2600.1	2615.9	2604.7	2636.9
12°	2181.5	2184.2	2153.3	2163.2	2167.1
13°	1775.4	1733.4	1738.7	1765.6	1770.2
14°	1377.2	1383.1	1385.0	1404.1	1415.2
15°	1075.4	1079.9	1079.9	1103.6	1113.4
17.5°	576.7	576.7	589.2	591.8	593.1
20°	328.7	330.7	337.9	337.2	330.7
22.5°	196.8	200.8	204.7	200.8	196.8
25°	118.8	126.6	129.9	127.9	122.0
27.5°	70.9	79.4	88.6	81.4	70.2
30°	44.0	48.6	62.3	49.9	45.9
32.5°	24.3	31.5	42.6	32.8	24.9
35°	15.7	19.0	26.2	19.0	17.1
37.5°	11.2	13.1	16.4	13.8	11.8
40°	7.9	9.2	10.5	9.8	7.9
42.5°	5.2	6.6	7.2	6.6	5.2
45°	2.6	3.9	4.6	3.9	3.3
47.5°	1.3	2.0	3.3	2.0	1.3
50°	1.3	1.3	2.0	1.3	1.3
52.5°	1.3	1.3	1.3	1.3	1.3
55°	1.3	1.3	1.3	1.3	1.3
57.5°	1.3	1.3	0.7	1.3	0.7
60°	0.7	0.7	0.7	0.7	0.7
62.5°	0.7	0.7	0.7	0.7	0.7
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.7
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)