

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: P1312239

Luminaire Tested: P3SQAS09R209727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312239
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: P3SQAS09R209727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

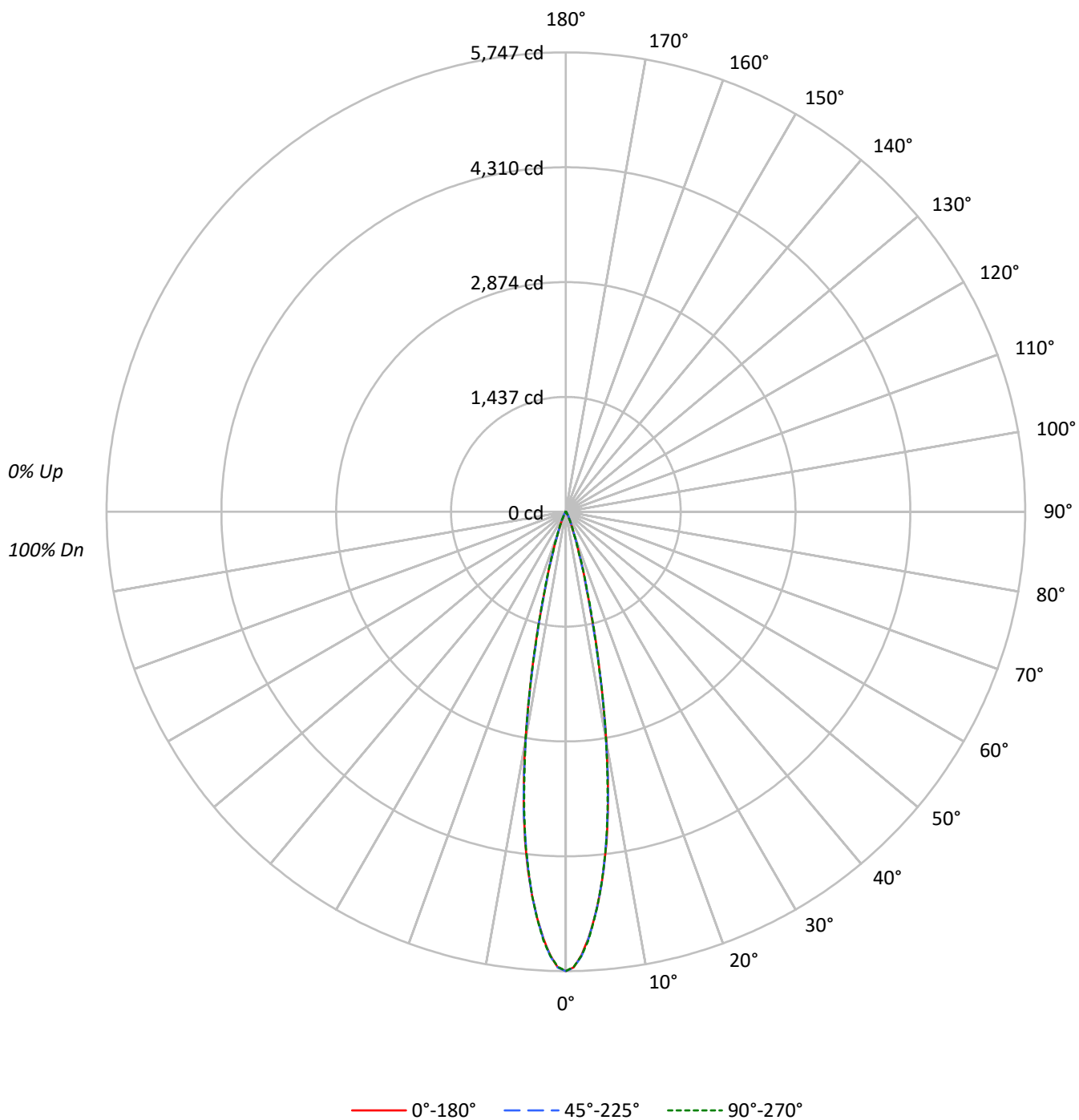
Lumens per Lamp: N/A
Luminaire Lumens: 792.0 lumens
Efficiency: N/A
Efficacy: 71.3 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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		92	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	86	84		88
10	94	88	85	83	93	88	85	82	87	84	82		87	84	82		86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	989798	989798	989798
5°	834252	834563	834148
10°	508375	506014	507203
15°	179065	179831	185412
20°	56266	57842	56595
25°	21074	23050	21663
30°	8173	11574	8531
35°	3091	5151	3343
40°	1664	2203	1664
45°	609	1047	755
50°	322	482	322
55°	360	360	360
60°	207	207	207
65°	245	245	245
70°	302	302	302
75°	0	0	399
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1047 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	399.0	50.4
10°-20°	312.8	39.5
20°-30°	61.4	7.8
30°-40°	13.8	1.7
40°-50°	3.1	0.4
50°-60°	1.0	0.1
60°-70°	0.6	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°	773.2	97.6
0°-40°	787.0	99.4
0°-60°	791.1	99.9
0°-90°	792.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	792.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5747	5747	5747	5747	5747	
5°	4826	4830	4827	4844	4825	400
15°	1004	1009	1009	1031	1040	312
25°	111	118	121	120	114	58
35°	15	18	24	18	16	11
45°	2	4	4	4	3	2
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°	5747.2	5747.2	5747.2	5747.2	5747.2
1°	5700.6	5688.4	5702.5	5691.5	5693.9
2°	5553.0	5546.2	5564.6	5553.0	5559.1
3°	5347.7	5339.1	5352.6	5353.2	5370.4
4°	5102.6	5086.0	5106.3	5106.9	5109.9
5°	4825.6	4829.9	4827.4	4844.0	4825.0
6°	4514.3	4528.4	4510.0	4519.2	4492.9
7°	4166.3	4148.5	4139.3	4142.4	4160.7
8°	3782.0	3769.8	3783.3	3764.3	3751.4
9°	3354.9	3333.5	3348.2	3329.8	3311.4
10°	2907.0	2897.2	2893.5	2872.7	2900.3
11°	2457.8	2428.4	2443.1	2432.7	2462.7
12°	2037.5	2039.9	2011.1	2020.3	2024.0
13°	1658.2	1619.0	1623.9	1649.0	1653.3
14°	1286.2	1291.7	1293.6	1311.3	1321.8
15°	1004.3	1008.6	1008.6	1030.7	1039.9
17.5°	538.6	538.6	550.3	552.7	553.9
20°	307.0	308.8	315.6	315.0	308.8
22.5°	183.8	187.5	191.2	187.5	183.8
25°	110.9	118.3	121.3	119.5	114.0
27.5°	66.2	74.1	82.7	76.0	65.6
30°	41.1	45.3	58.2	46.6	42.9
32.5°	22.7	29.4	39.8	30.6	23.3
35°	14.7	17.8	24.5	17.8	15.9
37.5°	10.4	12.3	15.3	12.9	11.0
40°	7.4	8.6	9.8	9.2	7.4
42.5°	4.9	6.1	6.7	6.1	4.9
45°	2.5	3.7	4.3	3.7	3.1
47.5°	1.2	1.8	3.1	1.8	1.2
50°	1.2	1.2	1.8	1.2	1.2
52.5°	1.2	1.2	1.2	1.2	1.2
55°	1.2	1.2	1.2	1.2	1.2
57.5°	1.2	1.2	0.6	1.2	0.6
60°	0.6	0.6	0.6	0.6	0.6
62.5°	0.6	0.6	0.6	0.6	0.6
65°	0.6	0.6	0.6	0.6	0.6
67.5°	0.6	0.6	0.6	0.6	0.6
70°	0.6	0.6	0.6	0.6	0.6
72.5°	0.6	0.6	0.6	0.6	0.6
75°	0.0	0.0	0.0	0.0	0.6
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)