

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: P1311446

Luminaire Tested: P3SQAS17R209050DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311446
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: P3SQAS17R209050DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

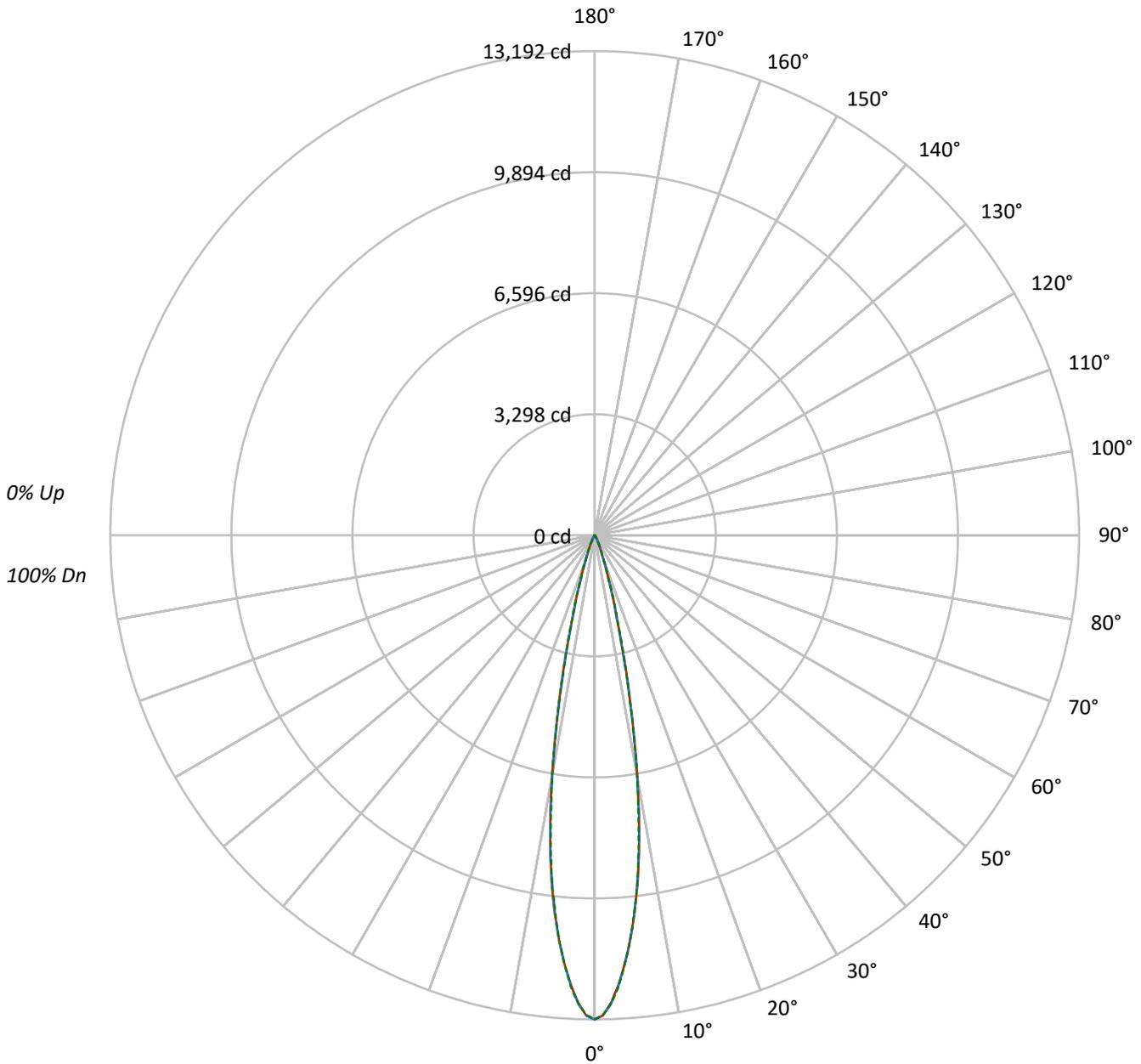
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1818.0 lumens
Efficiency: N/A
Efficacy: 85.8 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): 21.2
Input Voltage (V): NR
Input Current (A_{in}): 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

TEST NUMBER: P1311446
CATALOG NUMBER: P3SQAS17R209050DE010 E3SQCD1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1311446

CATALOG NUMBER: P3SQAS17R209050DE010 E3SQCD1MW

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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	97	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	94	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	94	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	92	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	90	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	88	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	91	88	87	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	85	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	88	85	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	82	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2272047	2272047	2272047
5°	1914980	1915723	1914738
10°	1166953	1161532	1164242
15°	411048	412813	425597
20°	129154	132765	129924
25°	48381	52922	49711
30°	18733	26568	19588
35°	7106	11837	7695
40°	3799	5058	3799
45°	1364	2387	1705
50°	750	1125	750
55°	841	841	841
60°	482	482	482
65°	571	571	571
70°	705	705	705
75°	0	0	932
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2387 cd/sqm



TEST NUMBER: P1311446

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	915.8	50.4
10°-20°	718.1	39.5
20°-30°	141.0	7.8
30°-40°	31.6	1.7
40°-50°	7.2	0.4
50°-60°	2.3	0.1
60°-70°	1.4	0.1
70°-80°	0.6	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°	1774.9	97.6
0°-40°	1806.5	99.4
0°-60°	1816.0	99.9
0°-90°	1818.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1818.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13192	13192	13192	13192	13192	
5°	11077	11087	11081	11119	11076	918
15°	2305	2315	2315	2366	2387	717
25°	255	272	278	274	262	134
35°	34	41	56	41	37	25
45°	6	8	10	8	7	6
55°	3	3	3	3	3	2
65°	1	1	1	1	1	1
75°	0	0	0	0	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°	13192.5	13192.5	13192.5	13192.5	13192.5
1°	13085.6	13057.4	13089.8	13064.5	13070.1
2°	12746.6	12731.1	12773.3	12746.6	12760.6
3°	12275.4	12255.7	12286.6	12288.0	12327.4
4°	11712.7	11674.8	11721.2	11722.6	11729.6
5°	11076.9	11086.8	11081.2	11119.1	11075.5
6°	10362.4	10394.7	10352.6	10373.6	10313.2
7°	9563.5	9522.7	9501.6	9508.6	9550.8
8°	8681.5	8653.4	8684.3	8640.7	8611.2
9°	7701.1	7651.9	7685.6	7643.4	7601.2
10°	6672.9	6650.4	6641.9	6594.1	6657.4
11°	5641.9	5574.3	5608.1	5584.2	5653.1
12°	4676.9	4682.6	4616.5	4637.5	4646.0
13°	3806.3	3716.2	3727.5	3785.2	3795.0
14°	2952.4	2965.1	2969.3	3010.1	3034.0
15°	2305.4	2315.3	2315.3	2365.9	2387.0
17.5°	1236.4	1236.4	1263.1	1268.8	1271.6
20°	704.7	708.9	724.4	723.0	708.9
22.5°	422.0	430.4	438.9	430.4	422.0
25°	254.6	271.5	278.5	274.3	261.6
27.5°	151.9	170.2	189.9	174.4	150.5
30°	94.2	104.1	133.6	106.9	98.5
32.5°	52.0	67.5	91.4	70.3	53.5
35°	33.8	40.8	56.3	40.8	36.6
37.5°	23.9	28.1	35.2	29.5	25.3
40°	16.9	19.7	22.5	21.1	16.9
42.5°	11.3	14.1	15.5	14.1	11.3
45°	5.6	8.4	9.8	8.4	7.0
47.5°	2.8	4.2	7.0	4.2	2.8
50°	2.8	2.8	4.2	2.8	2.8
52.5°	2.8	2.8	2.8	2.8	2.8
55°	2.8	2.8	2.8	2.8	2.8
57.5°	2.8	2.8	1.4	2.8	1.4
60°	1.4	1.4	1.4	1.4	1.4
62.5°	1.4	1.4	1.4	1.4	1.4
65°	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4
75°	0.0	0.0	0.0	0.0	1.4
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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CATALOG NUMBER: P3SQAS17R209050DE010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)