

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: P1315309

Luminaire Tested: P3SQAS13R159740DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315309
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R159740DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

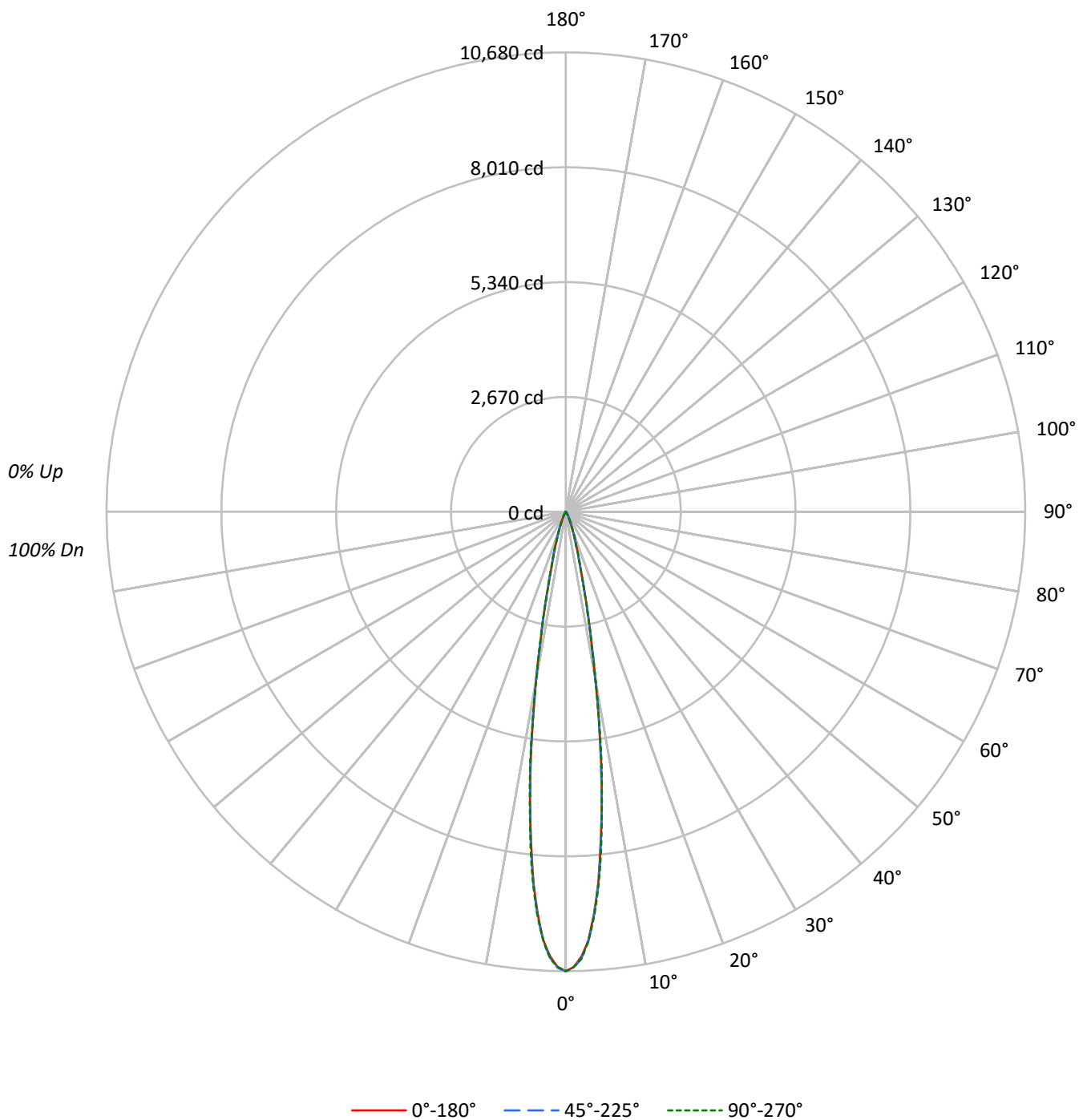
Lumens per Lamp: N/A
Luminaire Lumens: 1198.9 lumens
Efficiency: N/A
Efficacy: 82.1 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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

TEST NUMBER: P1315309

CATALOG NUMBER: P3SQAS13R159740DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1315309

CATALOG NUMBER: P3SQAS13R159740DE010 E3SQCD1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1839407	1839407	1839407
5°	1495693	1500914	1506118
10°	696562	697227	693449
15°	215527	223247	219057
20°	85920	90758	84893
25°	35953	42395	34167
30°	14597	19469	13483
35°	4752	8914	4352
40°	1686	3597	1686
45°	682	1145	682
50°	509	750	509
55°	570	570	570
60°	654	654	654
65°	367	367	367
70°	453	453	453
75°	599	599	599
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1145 cd/sqm

TEST NUMBER: P1315309

CATALOG NUMBER: P3SQAS13R159740DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	668.5	55.8
10°-20°	399.7	33.3
20°-30°	101.7	8.5
30°-40°	22.1	1.8
40°-50°	3.6	0.3
50°-60°	1.7	0.1
60°-70°	1.0	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°	1170.0	97.6
0°-40°	1192.1	99.4
0°-60°	1197.3	99.9
0°-90°	1198.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1198.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10680	10680	10680	10680	10680	
5°	8652	8664	8682	8642	8712	667
15°	1209	1243	1252	1234	1229	398
25°	189	202	223	198	180	96
35°	23	29	42	28	21	18
45°	3	4	5	4	3	3
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1315309

CATALOG NUMBER: P3SQAS13R159740DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10680.4	10680.4	10680.4	10680.4	10680.4
1°	10587.2	10605.1	10607.9	10605.1	10590.0
2°	10349.0	10401.7	10390.4	10367.8	10399.9
3°	9980.9	10007.3	10003.5	10005.4	9997.9
4°	9382.2	9428.3	9401.9	9421.7	9423.6
5°	8651.6	8663.9	8681.8	8642.2	8711.9
6°	7752.6	7830.7	7762.0	7829.8	7857.1
7°	6838.5	6883.7	6796.1	6843.2	6871.4
8°	5903.6	5824.6	5872.6	5873.5	5966.7
9°	4894.4	4910.4	4950.9	4904.8	4945.3
10°	3983.1	4019.9	3986.9	3970.9	3965.3
11°	3145.3	3186.7	3183.9	3188.6	3157.5
12°	2530.5	2508.9	2523.0	2476.9	2497.6
13°	1969.4	1970.4	1959.1	1940.3	1923.3
14°	1543.0	1533.6	1559.9	1536.4	1514.7
15°	1208.8	1242.7	1252.1	1234.2	1228.6
17.5°	745.6	746.5	759.7	742.8	740.9
20°	468.8	480.1	495.2	477.3	463.2
22.5°	296.5	306.9	330.4	307.8	288.1
25°	189.2	202.4	223.1	197.7	179.8
27.5°	118.6	130.9	150.6	127.1	113.9
30°	73.4	81.9	97.9	80.0	67.8
32.5°	42.4	50.8	64.0	48.0	40.5
35°	22.6	29.2	42.4	28.2	20.7
37.5°	13.2	16.9	27.3	15.1	12.2
40°	7.5	10.4	16.0	9.4	7.5
42.5°	4.7	6.6	7.5	5.6	3.8
45°	2.8	3.8	4.7	3.8	2.8
47.5°	1.9	2.8	3.8	1.9	1.9
50°	1.9	1.9	2.8	1.9	1.9
52.5°	1.9	1.9	1.9	1.9	1.9
55°	1.9	1.9	1.9	1.9	1.9
57.5°	1.9	1.9	1.9	1.9	1.9
60°	1.9	1.9	1.9	1.9	1.9
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9
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



TEST NUMBER: P1315309

CATALOG NUMBER: P3SQAS13R159740DE010 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)