

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: P1315598

Luminaire Tested: P3SQAS18R129740D010 E3SQCD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315598
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS18R129740D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R12 optic, 4000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

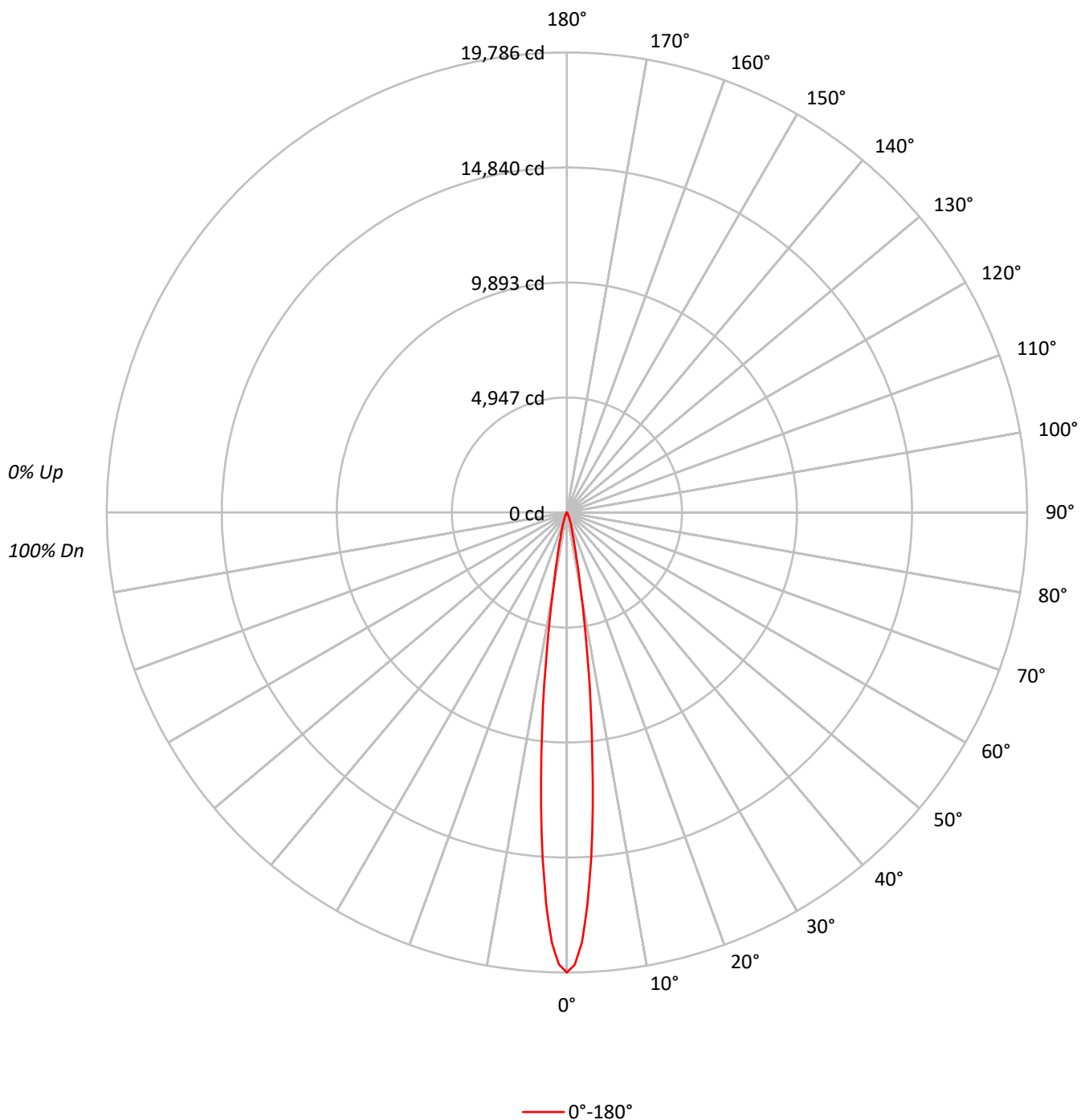
Lumens per Lamp: N/A
Luminaire Lumens: 1343.0 lumens
Efficiency: N/A
Efficacy: 58.6 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 22.9
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: P1315598

CATALOG NUMBER: P3SQAS18R129740D010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1315598

CATALOG NUMBER: P3SQAS18R129740D010 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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	116	114	113	111	114	112	111	109	108	107	106		104	104	103		101
2	113	110	108	106	111	108	106	104	105	104	102		103	101	100		100
3	110	107	104	102	109	105	103	101	103	101	99		101	99	98		99
4	108	104	101	98	107	103	100	98	101	99	97		99	97	96		98
5	106	102	98	96	105	101	98	96	99	97	95		98	96	94		97
6	104	99	96	94	103	99	96	94	98	95	93		96	94	93		95
7	102	98	94	92	101	97	94	92	96	93	92		95	93	91		94
8	101	96	93	91	100	95	93	90	95	92	90		94	92	90		93
9	99	94	91	89	98	94	91	89	93	91	89		93	90	89		92
10	98	93	90	88	97	93	90	88	92	90	88		91	89	88		91

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3407528
5°	2201702
10°	621207
15°	175641
20°	73438
25°	32514
30°	16605
35°	8767
40°	3755
45°	1023
50°	1125
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 1125 cd/sqm

TEST NUMBER: P1315598

CATALOG NUMBER: P3SQAS18R129740D010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	897.3	66.8
10°-20°	325.5	24.2
20°-30°	87.2	6.5
30°-40°	27.4	2.0
40°-50°	5.1	0.4
50°-60°	0.4	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°	1310.0	97.5
0°-40°	1337.4	99.6
0°-60°	1343.0	100.0
0°-90°	1343.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1343.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19786	
5°	12735	897
15°	985	326
25°	171	87
35°	42	27
45°	4	5
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1315598

CATALOG NUMBER: P3SQAS18R129740D010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	19785.6
1°	19451.6
2°	18512.5
3°	16905.4
4°	14910.1
5°	12735.4
6°	10468.8
7°	8440.2
8°	6495.0
9°	4833.7
10°	3552.2
11°	2617.2
12°	1970.2
13°	1527.7
14°	1210.5
15°	985.1
17.5°	626.1
20°	400.7
22.5°	258.8
25°	171.1
27.5°	116.9
30°	83.5
32.5°	58.4
35°	41.7
37.5°	29.2
40°	16.7
42.5°	8.3
45°	4.2
47.5°	4.2
50°	4.2
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0



TEST NUMBER: P1315598

CATALOG NUMBER: P3SQAS18R129740D010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)