

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: P1313651

Luminaire Tested: P3SQAS18R129730D010 E3SQCB1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313651
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: P3SQAS18R129730D010 E3SQCB1MW
Description: 3in Adjustable LED luminaire with, R12 optic, 3000K CCT AND, 97CRI , E3SQCB1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1254.0 lumens
Efficiency: N/A
Efficacy: 54.8 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: P1313651

CATALOG NUMBER: P3SQAS18R129730D010 E3SQCB1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1313651

CATALOG NUMBER: P3SQAS18R129730D010 E3SQCB1MW

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°	3181710
5°	2055791
10°	580040
15°	163998
20°	68582
25°	30366
30°	15512
35°	8200
40°	3507
45°	950
50°	1045
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: 1045 cd/sqm

TEST NUMBER: P1313651

CATALOG NUMBER: P3SQAS18R129730D010 E3SQCB1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	837.8	66.8
10°-20°	304.0	24.2
20°-30°	81.4	6.5
30°-40°	25.6	2.0
40°-50°	4.8	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°	1223.2	97.5
0°-40°	1248.8	99.6
0°-60°	1254.0	100.0
0°-90°	1254.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1254.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18474	
5°	11891	838
15°	920	304
25°	160	81
35°	39	26
45°	4	5
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1313651

CATALOG NUMBER: P3SQAS18R129730D010 E3SQCB1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	18474.4
1°	18162.6
2°	17285.6
3°	15785.1
4°	13922.1
5°	11891.4
6°	9775.1
7°	7880.9
8°	6064.6
9°	4513.4
10°	3316.8
11°	2443.8
12°	1839.6
13°	1426.5
14°	1130.3
15°	919.8
17.5°	584.6
20°	374.2
22.5°	241.6
25°	159.8
27.5°	109.1
30°	78.0
32.5°	54.6
35°	39.0
37.5°	27.3
40°	15.6
42.5°	7.8
45°	3.9
47.5°	3.9
50°	3.9
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: P1313651

CATALOG NUMBER: P3SQAS18R129730D010 E3SQCB1MW

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)