

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: P1306820

Luminaire Tested: P3SQAS10R129027DE010 E3SQPH1MMS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306820
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: P3SQAS10R129027DE010 E3SQPH1MMS
Description: 3in Adjustable LED luminaire with, R12 optic, 2700K CCT AND, 90CRI , E3SQPH1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 841.0 lumens
Efficiency: N/A
Efficacy: 71.9 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): 11.7
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: P1306820

CATALOG NUMBER: P3SQAS10R129027DE010 E3SQPH1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1306820

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					0
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	113	111		114	112	111	109		108	107	106		104	104	103		101	101	100
2	113	110	108	106		111	108	106	104		105	104	102		103	101	100		100	99	98
3	110	107	104	102		109	105	103	101		103	101	99		101	99	98		99	98	96
4	108	104	101	98		107	103	100	98		101	99	97		99	97	96		98	96	95
5	106	102	98	96		105	101	98	96		99	97	95		98	96	94		97	95	93
6	104	99	96	94		103	99	96	94		98	95	93		96	94	93		95	93	92
7	102	98	94	92		101	97	94	92		96	93	92		95	93	91		94	92	91
8	101	96	93	91		100	95	93	90		95	92	90		94	92	90		93	91	90
9	99	94	91	89		98	94	91	89		93	91	89		93	90	89		92	90	88
10	98	93	90	88		97	93	90	88		92	90	88		91	89	88		91	89	87

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2133821
5°	1378722
10°	389002
15°	109992
20°	45984
25°	20371
30°	10401
35°	5487
40°	2361
45°	633
50°	697
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: 697 cd/sqm

TEST NUMBER: P1306820

CATALOG NUMBER: P3SQAS10R129027DE010 E3SQPH1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	561.9	66.8
10°-20°	203.9	24.2
20°-30°	54.6	6.5
30°-40°	17.2	2.0
40°-50°	3.2	0.4
50°-60°	0.3	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°	820.3	97.5
0°-40°	837.5	99.6
0°-60°	841.0	100.0
0°-90°	841.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	841.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12390	
5°	7975	562
15°	617	204
25°	107	55
35°	26	17
45°	3	3
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12389.9
1°	12180.8
2°	11592.7
3°	10586.3
4°	9336.9
5°	7975.0
6°	6555.7
7°	5285.3
8°	4067.2
9°	3026.9
10°	2224.4
11°	1638.9
12°	1233.8
13°	956.7
14°	758.0
15°	616.9
17.5°	392.1
20°	250.9
22.5°	162.1
25°	107.2
27.5°	73.2
30°	52.3
32.5°	36.6
35°	26.1
37.5°	18.3
40°	10.5
42.5°	5.2
45°	2.6
47.5°	2.6
50°	2.6
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: P1306820

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CANDELA DISTRIBUTION (continued):



(END OF REPORT)