

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: P1304407

Luminaire Tested: P3RT18R129735D010 E3BUS1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1304407
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: P3RT18R129735D010 E3BUS1H
Description: 3in Adjustable LED luminaire with, R12 optic, 3500K CCT AND, 97CRI , E3BUS1H TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1312.0 lumens
Efficiency: N/A
Efficacy: 57.3 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.22
Luminous Opening: Circular (Dia: 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: P1304407

CATALOG NUMBER: P3RT18R129735D010 E3BUS1H

Luminous Intensity Polar Plot



TEST NUMBER: P1304407

CATALOG NUMBER: P3RT18R129735D010 E3BUS1H

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4238454
5°	2738580
10°	772687
15°	218480
20°	91358
25°	40454
30°	20661
35°	10922
40°	4666
45°	1271
50°	1399
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: 1399 cd/sqm

TEST NUMBER: P1304407

CATALOG NUMBER: P3RT18R129735D010 E3BUS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	876.6	66.8
10°-20°	318.0	24.2
20°-30°	85.2	6.5
30°-40°	26.8	2.0
40°-50°	5.0	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°	1279.8	97.5
0°-40°	1306.6	99.6
0°-60°	1312.0	100.0
0°-90°	1312.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1312.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19329	
5°	12441	877
15°	962	318
25°	167	85
35°	41	27
45°	4	5
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1304407

CATALOG NUMBER: P3RT18R129735D010 E3BUS1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	19328.9
1°	19002.6
2°	18085.1
3°	16515.2
4°	14566.0
5°	12441.4
6°	10227.2
7°	8245.4
8°	6345.1
9°	4722.1
10°	3470.2
11°	2556.8
12°	1924.7
13°	1492.5
14°	1182.6
15°	962.4
17.5°	611.7
20°	391.5
22.5°	252.8
25°	167.2
27.5°	114.2
30°	81.6
32.5°	57.1
35°	40.8
37.5°	28.5
40°	16.3
42.5°	8.2
45°	4.1
47.5°	4.1
50°	4.1
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: P1304407
CATALOG NUMBER: P3RT18R129735D010 E3BUS1H

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)