

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: P1304022

Luminaire Tested: P3RT10R129727DE010 E3PHUS1MMS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1304022
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: P3RT10R129727DE010 E3PHUS1MMS
Description: 3in Adjustable LED luminaire with, R12 optic, 2700K CCT AND, 97CRI , E3PHUS1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 751.0 lumens
Efficiency: N/A
Efficacy: 64.2 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): 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: P1304022

CATALOG NUMBER: P3RT10R129727DE010 E3PHUS1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1304022

CATALOG NUMBER: P3RT10R129727DE010 E3PHUS1MMS

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°	2426121
5°	1567594
10°	442299
15°	125063
20°	52295
25°	23155
30°	11825
35°	6237
40°	2662
45°	713
50°	785
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: 785 cd/sqm

TEST NUMBER: P1304022

CATALOG NUMBER: P3RT10R129727DE010 E3PHUS1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	501.8	66.8
10°-20°	182.0	24.2
20°-30°	48.7	6.5
30°-40°	15.3	2.0
40°-50°	2.9	0.4
50°-60°	0.2	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°	732.6	97.5
0°-40°	747.9	99.6
0°-60°	751.0	100.0
0°-90°	751.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	751.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11064	
5°	7122	502
15°	551	182
25°	96	49
35°	23	15
45°	2	3
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1304022

CATALOG NUMBER: P3RT10R129727DE010 E3PHUS1MMS

CANDELA DISTRIBUTION (FULL):

0°	
0°	11064.0
1°	10877.3
2°	10352.1
3°	9453.4
4°	8337.7
5°	7121.6
6°	5854.1
7°	4719.7
8°	3632.0
9°	2703.0
10°	1986.4
11°	1463.5
12°	1101.7
13°	854.3
14°	676.9
15°	550.9
17.5°	350.1
20°	224.1
22.5°	144.7
25°	95.7
27.5°	65.4
30°	46.7
32.5°	32.7
35°	23.3
37.5°	16.3
40°	9.3
42.5°	4.7
45°	2.3
47.5°	2.3
50°	2.3
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: P1304022

CATALOG NUMBER: P3RT10R129727DE010 E3PHUS1MMS

CANDELA DISTRIBUTION (continued):



(END OF REPORT)