

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: P1303719

Luminaire Tested: P3RT13R129040DE010 E3PHUS1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1303719
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: P3RT13R129040DE010 E3PHUS1MW
Description: 3in Adjustable LED luminaire with, R12 optic, 4000K CCT AND, 90CRI , E3PHUS1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1201.0 lumens
Efficiency: N/A
Efficacy: 77.5 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): 15.5
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: P1303719

CATALOG NUMBER: P3RT13R129040DE010 E3PHUS1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1303719

CATALOG NUMBER: P3RT13R129040DE010 E3PHUS1MW

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°	3879865
5°	2506883
10°	707313
15°	199978
20°	83634
25°	37018
30°	18914
35°	9985
40°	4265
45°	1147
50°	1262
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: 1262 cd/sqm

TEST NUMBER: P1303719

CATALOG NUMBER: P3RT13R129040DE010 E3PHUS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	802.4	66.8
10°-20°	291.1	24.2
20°-30°	77.9	6.5
30°-40°	24.5	2.0
40°-50°	4.6	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°	1171.5	97.5
0°-40°	1196.0	99.6
0°-60°	1201.0	100.0
0°-90°	1201.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1201.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17694	
5°	11389	802
15°	881	291
25°	153	78
35°	37	25
45°	4	5
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1303719

CATALOG NUMBER: P3RT13R129040DE010 E3PHUS1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	17693.6
1°	17395.0
2°	16555.1
3°	15117.9
4°	13333.6
5°	11388.8
6°	9361.9
7°	7547.8
8°	5808.3
9°	4322.6
10°	3176.6
11°	2340.5
12°	1761.9
13°	1366.2
14°	1082.5
15°	880.9
17.5°	559.9
20°	358.4
22.5°	231.4
25°	153.0
27.5°	104.5
30°	74.7
32.5°	52.3
35°	37.3
37.5°	26.1
40°	14.9
42.5°	7.5
45°	3.7
47.5°	3.7
50°	3.7
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: P1303719

CATALOG NUMBER: P3RT13R129040DE010 E3PHUS1MW

CANDELA DISTRIBUTION (continued):



(END OF REPORT)