

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: P1303312

Luminaire Tested: P3RT05R129030DE010 E3PHUS1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1303312
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: P3RT05R129030DE010 E3PHUS1MW
Description: 3in Adjustable LED luminaire with, R12 optic, 3000K CCT AND, 90CRI , E3PHUS1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 620.0 lumens
Efficiency: N/A
Efficacy: 81.6 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): 7.6
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: P1303312

CATALOG NUMBER: P3RT05R129030DE010 E3PHUS1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1303312

CATALOG NUMBER: P3RT05R129030DE010 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°	2002932
5°	1294141
10°	365146
15°	103247
20°	43170
25°	19114
30°	9748
35°	5166
40°	2204
45°	589
50°	648
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: 648 cd/sqm

TEST NUMBER: P1303312

CATALOG NUMBER: P3RT05R129030DE010 E3PHUS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.2	66.8
10°-20°	150.3	24.2
20°-30°	40.2	6.5
30°-40°	12.7	2.0
40°-50°	2.4	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°	604.8	97.5
0°-40°	617.4	99.6
0°-60°	620.0	100.0
0°-90°	620.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	620.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9134	
5°	5879	414
15°	455	150
25°	79	40
35°	19	13
45°	2	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1303312

CATALOG NUMBER: P3RT05R129030DE010 E3PHUS1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	9134.1
1°	8979.9
2°	8546.3
3°	7804.4
4°	6883.3
5°	5879.3
6°	4833.0
7°	3896.4
8°	2998.4
9°	2231.5
10°	1639.9
11°	1208.2
12°	909.6
13°	705.3
14°	558.8
15°	454.8
17.5°	289.1
20°	185.0
22.5°	119.5
25°	79.0
27.5°	54.0
30°	38.5
32.5°	27.0
35°	19.3
37.5°	13.5
40°	7.7
42.5°	3.9
45°	1.9
47.5°	1.9
50°	1.9
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: P1303312

CATALOG NUMBER: P3RT05R129030DE010 E3PHUS1MW

CANDELA DISTRIBUTION (continued):



(END OF REPORT)