

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: P1245503

Luminaire Tested: P3RT02R089024DE010 E3PHUSR1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245503
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2408-211-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3RT02R089024DE010 E3PHUSR1MW
Description: 3in Adjustable LED luminaire with, R08 optic, 2400K CCT AND, 90CRI , E3PHUSR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 218.1 lumens
Efficiency: N/A
Efficacy: 44.5 lumens/watt
Spacing Criteria (0/90/45): 0.16 / 0.16 / 0.16
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 4.9
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: P1245503

CATALOG NUMBER: P3RT02R089024DE010 E3PHUSR1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1245503

CATALOG NUMBER: P3RT02R089024DE010 E3PHUSR1MW

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	110	108	107	106		105	104	103		101
2	113	111	108	106	111	109	107	105	106	104	103		103	102	101		101
3	111	107	105	103	109	106	104	102	104	102	100		102	100	99		100
4	109	105	102	100	108	104	101	99	102	100	98		100	99	97		99
5	107	103	100	98	106	102	99	97	101	98	96		99	97	96		98
6	105	101	98	96	104	100	98	96	99	97	95		98	96	95		97
7	104	99	97	95	103	99	96	94	98	96	94		97	95	94		96
8	103	98	95	93	102	98	95	93	97	95	93		96	94	93		95
9	101	97	94	92	101	97	94	92	96	94	92		95	93	92		95
10	100	96	93	91	100	96	93	91	95	93	91		94	92	91		94

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1236414
5°	515583
10°	82964
15°	23791
20°	8004
25°	3532
30°	1950
35°	1392
40°	1231
45°	806
50°	580
55°	344
60°	395
65°	467
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 806 cd/sqm

TEST NUMBER: P1245503

CATALOG NUMBER: P3RT02R089024DE010 E3PHUSR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.2	77.1
10°-20°	35.2	16.1
20°-30°	7.7	3.5
30°-40°	3.3	1.5
40°-50°	2.0	0.9
50°-60°	0.9	0.4
60°-70°	0.8	0.4
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°	211.0	96.8
0°-40°	214.3	98.3
0°-60°	217.3	99.6
0°-90°	218.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	218.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5638	
5°	2342	168
15°	105	35
25°	15	8
35°	5	3
45°	3	2
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1245503

CATALOG NUMBER: P3RT02R089024DE010 E3PHUSR1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	5638.5
2.5°	4713.0
5°	2342.3
7.5°	873.2
10°	372.6
12.5°	192.3
15°	104.8
17.5°	59.2
20°	34.3
22.5°	22.3
25°	14.6
27.5°	11.2
30°	7.7
32.5°	6.0
35°	5.2
37.5°	4.3
40°	4.3
42.5°	3.4
45°	2.6
47.5°	1.7
50°	1.7
52.5°	0.9
55°	0.9
57.5°	0.9
60°	0.9
62.5°	0.9
65°	0.9
67.5°	0.9
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
90°	0.0

(END OF REPORT)