

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: P1245735

Luminaire Tested: P3A02R359024DE010 E3PH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245735
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R359024DE010 E3PH1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3PH1MW TRIM
Light Source: -
Ballast/Driver: -

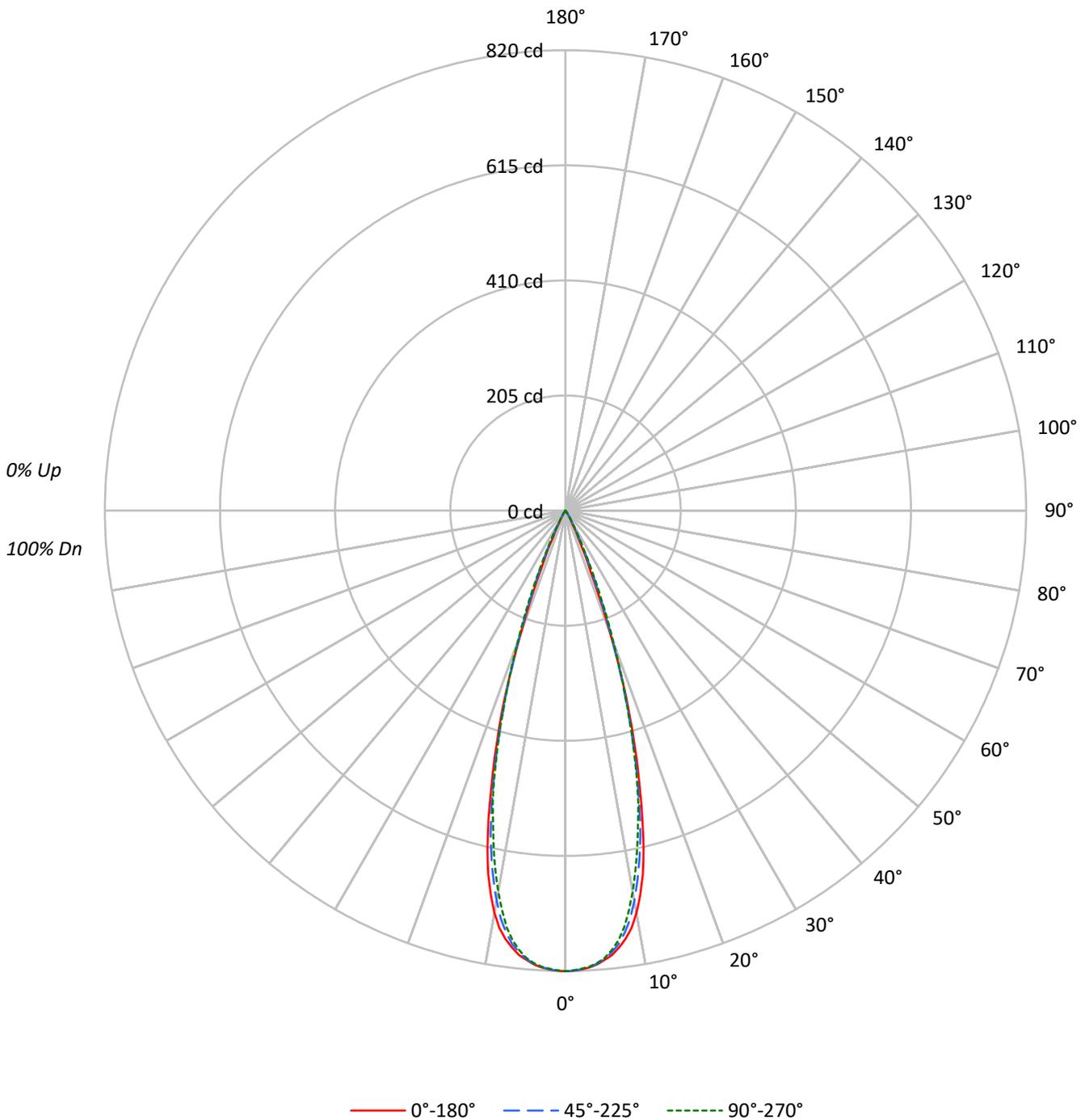
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 249.0 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1245735
CATALOG NUMBER: P3A02R359024DE010 E3PH1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1245735

CATALOG NUMBER: P3A02R359024DE010 E3PH1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	80
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	77
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	75
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	179898	179898	179898
5°	176799	176425	176051
10°	162032	157156	153348
15°	116028	112328	110965
20°	53811	55655	57615
25°	12775	18170	18945
30°	3747	4279	4836
35°	857	1365	1258
40°	172	372	258
45°	62	62	62
50°	68	0	68
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 52.5°
 Luminance: 72 cd/sqm



TEST NUMBER: P1245735
 CATALOG NUMBER: P3A02R359024DE010 E3PH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.7	29.6
10°-20°	131.7	52.9
20°-30°	39.6	15.9
30°-40°	3.8	1.5
40°-50°	0.2	0.1
50°-60°	0.0	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°	244.9	98.4
0°-40°	248.7	99.9
0°-60°	249.0	100.0
0°-90°	249.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	249.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	820	820	820	820	820	
5°	803	803	802	800	800	74
15°	511	507	495	493	489	135
25°	53	58	75	78	78	34
35°	3	4	5	6	5	3
45°	0	0	0	0	0	0
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1245735
 CATALOG NUMBER: P3A02R359024DE010 E3PH1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	820.4	820.4	820.4	820.4	820.4
1°	819.9	819.9	819.5	819.5	818.7
2°	818.0	818.2	817.4	817.2	816.5
3°	815.0	814.4	814.4	813.9	813.5
4°	810.3	809.0	808.6	808.8	807.9
5°	803.2	803.0	801.5	800.4	799.8
6°	795.5	794.0	790.8	788.0	787.3
7°	783.9	780.7	777.9	772.1	771.3
8°	769.8	764.6	758.6	750.4	750.0
9°	752.4	744.0	735.7	724.7	720.9
10°	727.7	720.0	705.8	696.2	688.7
11°	697.0	687.4	670.9	659.3	653.1
12°	662.3	653.3	634.0	623.5	614.7
13°	617.7	610.2	592.2	580.6	573.7
14°	566.0	560.4	543.3	538.1	535.8
15°	511.1	507.2	494.8	492.7	488.8
17.5°	376.2	369.8	362.7	364.0	365.3
20°	230.6	239.6	238.5	243.2	246.9
22.5°	115.0	126.5	140.1	148.2	152.3
25°	52.8	58.1	75.1	78.3	78.3
27.5°	26.6	27.9	35.4	36.0	37.7
30°	14.8	15.9	16.9	18.9	19.1
32.5°	7.5	8.8	9.2	10.3	9.9
35°	3.2	4.3	5.1	5.6	4.7
37.5°	1.5	1.9	2.8	2.6	1.9
40°	0.6	0.9	1.3	1.1	0.9
42.5°	0.4	0.4	0.6	0.4	0.4
45°	0.2	0.2	0.2	0.2	0.2
47.5°	0.2	0.2	0.0	0.2	0.2
50°	0.2	0.0	0.0	0.0	0.2
52.5°	0.2	0.0	0.0	0.0	0.2
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1245735
CATALOG NUMBER: P3A02R359024DE010 E3PH1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)