

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: P1268666

Luminaire Tested: P3A02R359740DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1268666
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R359740DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

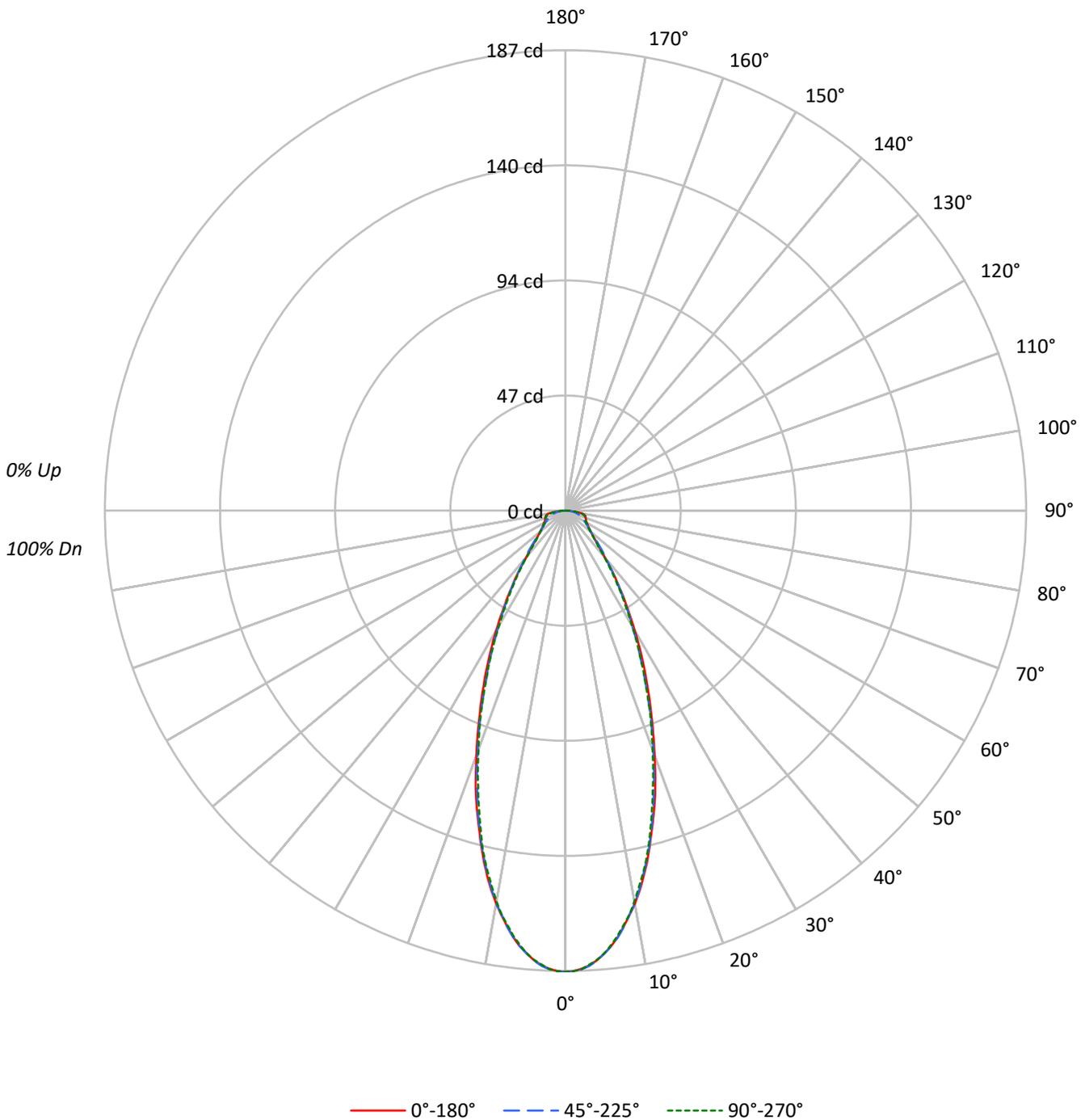
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 155.0 lumens
Efficiency: N/A
Efficacy: 43.1 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
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

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Luminous Intensity Polar Plot





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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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	91	89
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	74	74	74	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	65
5	86	76	69	64	84	75	69	64	73	68	63	72	67	63	70	65	62	62	62	62	60
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	57	57	57	56
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54	54	54	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	50	50	50	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	47	47	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	44	44	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	41071	41071	41071
5°	39731	39775	39731
10°	36094	36049	35893
15°	30647	30534	30261
20°	24665	24339	24105
25°	19066	18485	18485
30°	14230	13749	13622
35°	10226	10119	9851
40°	7156	7357	6899
45°	5334	5644	5210
50°	4571	4571	4503
55°	4320	4167	4244
60°	4429	4035	4254
65°	4774	4047	4670
70°	5578	4231	5450
75°	7032	4406	6778
80°	8966	4799	8082
85°	7045	4780	7045

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 8966 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.6	10.7
10°-20°	37.1	24.0
20°-30°	35.5	22.9
30°-40°	23.8	15.4
40°-50°	14.0	9.0
50°-60°	10.0	6.5
60°-70°	8.3	5.4
70°-80°	6.8	4.4
80°-90°	2.8	1.8
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°	89.2	57.6
0°-40°	113.0	72.9
0°-60°	137.0	88.4
0°-90°	155.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	155.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	187	187	187	187	187	
5°	180	181	181	180	180	17
15°	135	135	134	134	133	37
25°	79	78	76	76	76	36
35°	38	38	38	37	37	24
45°	17	18	18	17	17	14
55°	11	11	11	11	11	10
65°	9	8	8	8	9	9
75°	8	6	5	6	8	9
85°	3	3	2	3	3	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	187.3	187.3	187.3	187.3	187.3
1°	187.1	187.3	187.3	187.1	187.1
2°	186.2	186.6	186.4	186.2	186.4
3°	185.0	185.5	185.2	185.0	184.7
4°	183.1	183.6	183.3	182.9	182.9
5°	180.5	181.0	180.7	180.5	180.5
6°	177.9	178.4	177.9	177.4	177.4
7°	174.4	175.1	174.6	174.1	173.9
8°	170.4	171.1	170.6	170.4	169.9
9°	166.3	166.8	166.1	166.1	166.1
10°	162.1	162.3	161.9	161.2	161.2
11°	157.4	157.1	156.9	156.4	156.0
12°	152.2	152.2	151.5	151.0	150.8
13°	146.8	146.5	146.1	145.6	145.6
14°	141.1	141.1	140.6	139.7	139.9
15°	135.0	135.2	134.5	133.5	133.3
17.5°	121.0	120.6	119.4	118.7	118.0
20°	105.7	105.5	104.3	103.6	103.3
22.5°	91.5	91.3	90.1	89.4	89.9
25°	78.8	77.9	76.4	76.4	76.4
27.5°	67.0	65.8	64.9	64.4	64.9
30°	56.2	55.2	54.3	54.0	53.8
32.5°	46.5	46.0	45.5	44.8	44.8
35°	38.2	38.2	37.8	37.0	36.8
37.5°	31.1	31.4	31.1	30.4	30.2
40°	25.0	25.5	25.7	25.0	24.1
42.5°	20.5	21.2	21.7	20.5	19.8
45°	17.2	17.7	18.2	17.2	16.8
47.5°	15.1	15.3	15.6	14.9	14.6
50°	13.4	13.4	13.4	13.2	13.2
52.5°	12.3	12.3	12.0	11.8	11.8
55°	11.3	11.1	10.9	10.9	11.1
57.5°	10.6	10.4	9.9	10.1	10.4
60°	10.1	9.7	9.2	9.4	9.7
62.5°	9.4	9.0	8.5	8.7	9.2
65°	9.2	8.3	7.8	8.3	9.0
67.5°	9.0	7.8	7.1	7.8	8.7
70°	8.7	7.3	6.6	7.3	8.5
72.5°	8.5	6.8	5.9	6.8	8.3
75°	8.3	6.4	5.2	6.4	8.0
77.5°	7.8	5.9	4.5	5.9	7.3
80°	7.1	5.4	3.8	5.2	6.4
82.5°	5.2	4.5	3.1	4.5	4.7
85°	2.8	3.1	1.9	3.1	2.8
87.5°	0.2	0.5	0.5	1.4	0.9



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)