

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: P1246148

Luminaire Tested: P3A05R359024DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246148
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: P3A05R359024DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

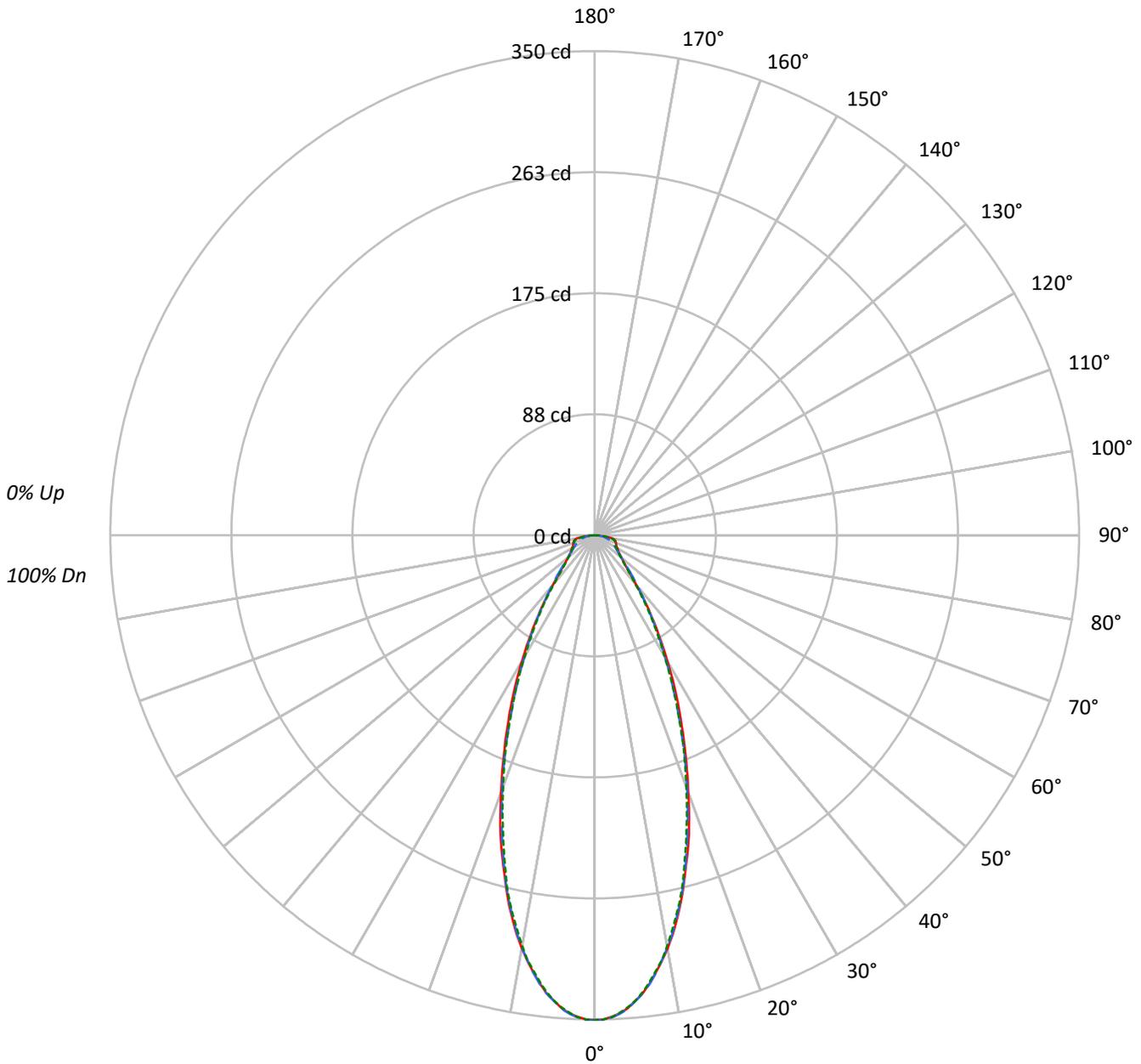
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 290.0 lumens
Efficiency: N/A
Efficacy: 40.3 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): 7.2
Input Voltage (V): NR
Input Current (A_{in}): 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



— 0°-180° - - 45°-225° ··· 90°-270°



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	76858	76858	76858
5°	74334	74422	74334
10°	67534	67422	67133
15°	57322	57117	56618
20°	46157	45527	45131
25°	35663	34599	34599
30°	26612	25700	25472
35°	19140	18899	18444
40°	13397	13769	12881
45°	9986	10544	9706
50°	8597	8597	8426
55°	8105	7761	7914
60°	8333	7543	7938
65°	8924	7575	8717
70°	10450	7950	10194
75°	13132	8218	12709
80°	16669	8966	15027
85°	13335	8806	13335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 16669 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.1	10.7
10°-20°	69.5	24.0
20°-30°	66.3	22.9
30°-40°	44.6	15.4
40°-50°	26.2	9.0
50°-60°	18.7	6.5
60°-70°	15.6	5.4
70°-80°	12.8	4.4
80°-90°	5.3	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°	167.0	57.6
0°-40°	211.5	72.9
0°-60°	256.4	88.4
0°-90°	290.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	290.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	350	350	350	350	350	
5°	338	339	338	338	338	31
15°	252	253	252	250	249	70
25°	147	146	143	143	143	68
35°	72	72	71	69	69	45
45°	32	33	34	32	31	26
55°	21	21	20	20	21	19
65°	17	16	15	16	17	17
75°	16	12	10	12	15	16
85°	5	6	4	6	5	6
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	350.5	350.5	350.5	350.5	350.5
1°	350.1	350.5	350.5	350.1	350.1
2°	348.3	349.2	348.7	348.3	348.7
3°	346.1	347.0	346.5	346.1	345.7
4°	342.6	343.4	343.0	342.1	342.1
5°	337.7	338.6	338.1	337.7	337.7
6°	332.9	333.7	332.9	332.0	332.0
7°	326.2	327.6	326.7	325.8	325.3
8°	318.7	320.0	319.2	318.7	317.8
9°	311.2	312.1	310.8	310.8	310.8
10°	303.3	303.7	302.8	301.5	301.5
11°	294.4	294.0	293.6	292.7	291.8
12°	284.7	284.7	283.4	282.5	282.1
13°	274.6	274.1	273.3	272.4	272.4
14°	264.0	264.0	263.1	261.3	261.8
15°	252.5	252.9	251.6	249.9	249.4
17.5°	226.5	225.6	223.4	222.0	220.7
20°	197.8	197.3	195.1	193.8	193.4
22.5°	171.3	170.8	168.6	167.3	168.2
25°	147.4	145.7	143.0	143.0	143.0
27.5°	125.4	123.2	121.4	120.5	121.4
30°	105.1	103.3	101.5	101.1	100.6
32.5°	87.0	86.1	85.2	83.9	83.9
35°	71.5	71.5	70.6	69.3	68.9
37.5°	58.3	58.7	58.3	56.9	56.5
40°	46.8	47.7	48.1	46.8	45.0
42.5°	38.4	39.7	40.6	38.4	37.1
45°	32.2	33.1	34.0	32.2	31.3
47.5°	28.3	28.7	29.1	27.8	27.4
50°	25.2	25.2	25.2	24.7	24.7
52.5°	23.0	23.0	22.5	22.1	22.1
55°	21.2	20.7	20.3	20.3	20.7
57.5°	19.9	19.4	18.5	19.0	19.4
60°	19.0	18.1	17.2	17.7	18.1
62.5°	17.7	16.8	15.9	16.3	17.2
65°	17.2	15.5	14.6	15.5	16.8
67.5°	16.8	14.6	13.2	14.6	16.3
70°	16.3	13.7	12.4	13.7	15.9
72.5°	15.9	12.8	11.0	12.8	15.5
75°	15.5	11.9	9.7	11.9	15.0
77.5°	14.6	11.0	8.4	11.0	13.7
80°	13.2	10.2	7.1	9.7	11.9
82.5°	9.7	8.4	5.7	8.4	8.8
85°	5.3	5.7	3.5	5.7	5.3
87.5°	0.4	0.9	0.9	2.6	1.8



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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)