

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: P1273721

Luminaire Tested: P3A09R359830DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1273721
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: P3A09R359830DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

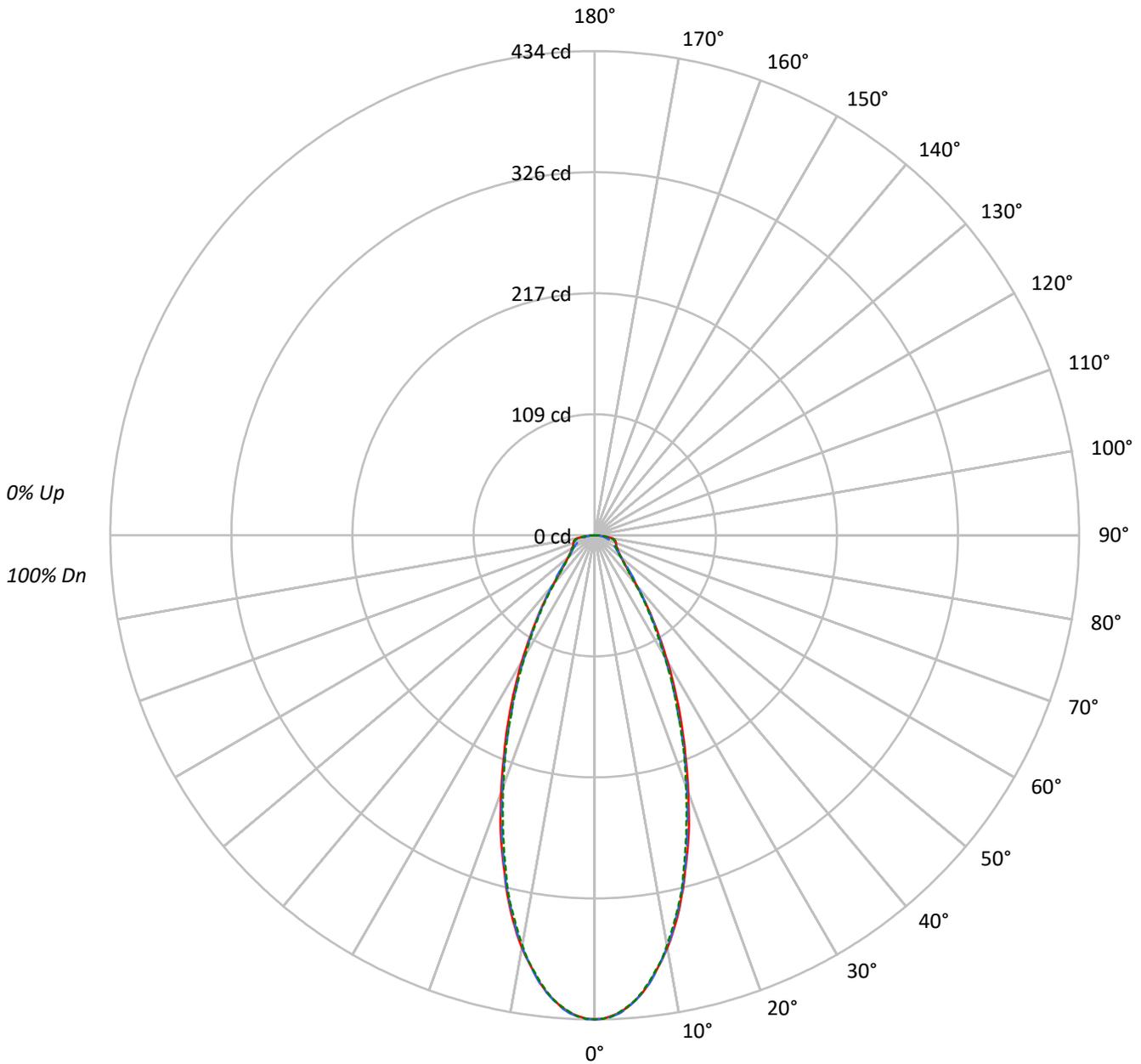
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 359.0 lumens
Efficiency: N/A
Efficacy: 32.6 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): 11
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	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	66	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°	95146	95146	95146
5°	92031	92142	92031
10°	83588	83477	83098
15°	70965	70716	70103
20°	57125	56355	55865
25°	44156	42849	42849
30°	32942	31828	31549
35°	23691	23396	22834
40°	16574	17061	15944
45°	12373	13056	12032
50°	10609	10609	10439
55°	10016	9596	9825
60°	10306	9341	9824
65°	11052	9340	10792
70°	12951	9809	12630
75°	16182	10167	15759
80°	20710	10986	18689
85°	16605	11070	16605

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 20710 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.5	10.7
10°-20°	86.0	24.0
20°-30°	82.1	22.9
30°-40°	55.2	15.4
40°-50°	32.4	9.0
50°-60°	23.2	6.4
60°-70°	19.3	5.4
70°-80°	15.8	4.4
80°-90°	6.5	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°	206.7	57.6
0°-40°	261.8	72.9
0°-60°	317.4	88.4
0°-90°	359.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	359.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	434	434	434	434	434	
5°	418	419	419	418	418	39
15°	313	313	312	309	309	87
25°	182	180	177	177	177	84
35°	88	88	87	86	85	56
45°	40	41	42	40	39	32
55°	26	26	25	25	26	24
65°	21	19	18	19	21	21
75°	19	15	12	15	19	20
85°	7	7	4	7	7	7
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	433.9	433.9	433.9	433.9	433.9
1°	433.4	433.9	433.9	433.4	433.4
2°	431.2	432.3	431.7	431.2	431.7
3°	428.4	429.5	429.0	428.4	427.9
4°	424.1	425.2	424.6	423.5	423.5
5°	418.1	419.2	418.6	418.1	418.1
6°	412.0	413.1	412.0	411.0	411.0
7°	403.8	405.5	404.4	403.3	402.8
8°	394.6	396.2	395.1	394.6	393.5
9°	385.3	386.4	384.7	384.7	384.7
10°	375.4	376.0	374.9	373.2	373.2
11°	364.5	364.0	363.4	362.3	361.2
12°	352.5	352.5	350.8	349.7	349.2
13°	339.9	339.4	338.3	337.2	337.2
14°	326.8	326.8	325.7	323.5	324.1
15°	312.6	313.1	311.5	309.3	308.8
17.5°	280.3	279.3	276.5	274.9	273.2
20°	244.8	244.3	241.5	239.9	239.4
22.5°	212.0	211.5	208.8	207.1	208.2
25°	182.5	180.3	177.1	177.1	177.1
27.5°	155.2	152.5	150.3	149.2	150.3
30°	130.1	127.9	125.7	125.1	124.6
32.5°	107.7	106.6	105.5	103.8	103.8
35°	88.5	88.5	87.4	85.8	85.3
37.5°	72.1	72.7	72.1	70.5	69.9
40°	57.9	59.0	59.6	57.9	55.7
42.5°	47.5	49.2	50.3	47.5	45.9
45°	39.9	41.0	42.1	39.9	38.8
47.5°	35.0	35.5	36.1	34.4	33.9
50°	31.1	31.1	31.1	30.6	30.6
52.5°	28.4	28.4	27.9	27.3	27.3
55°	26.2	25.7	25.1	25.1	25.7
57.5°	24.6	24.0	23.0	23.5	24.0
60°	23.5	22.4	21.3	21.9	22.4
62.5°	21.9	20.8	19.7	20.2	21.3
65°	21.3	19.1	18.0	19.1	20.8
67.5°	20.8	18.0	16.4	18.0	20.2
70°	20.2	16.9	15.3	16.9	19.7
72.5°	19.7	15.8	13.7	15.8	19.1
75°	19.1	14.8	12.0	14.8	18.6
77.5°	18.0	13.7	10.4	13.7	16.9
80°	16.4	12.6	8.7	12.0	14.8
82.5°	12.0	10.4	7.1	10.4	10.9
85°	6.6	7.1	4.4	7.1	6.6
87.5°	0.5	1.1	1.1	3.3	2.2



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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)