

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: P1246525

Luminaire Tested: P3A09R359024DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246525
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R359024DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

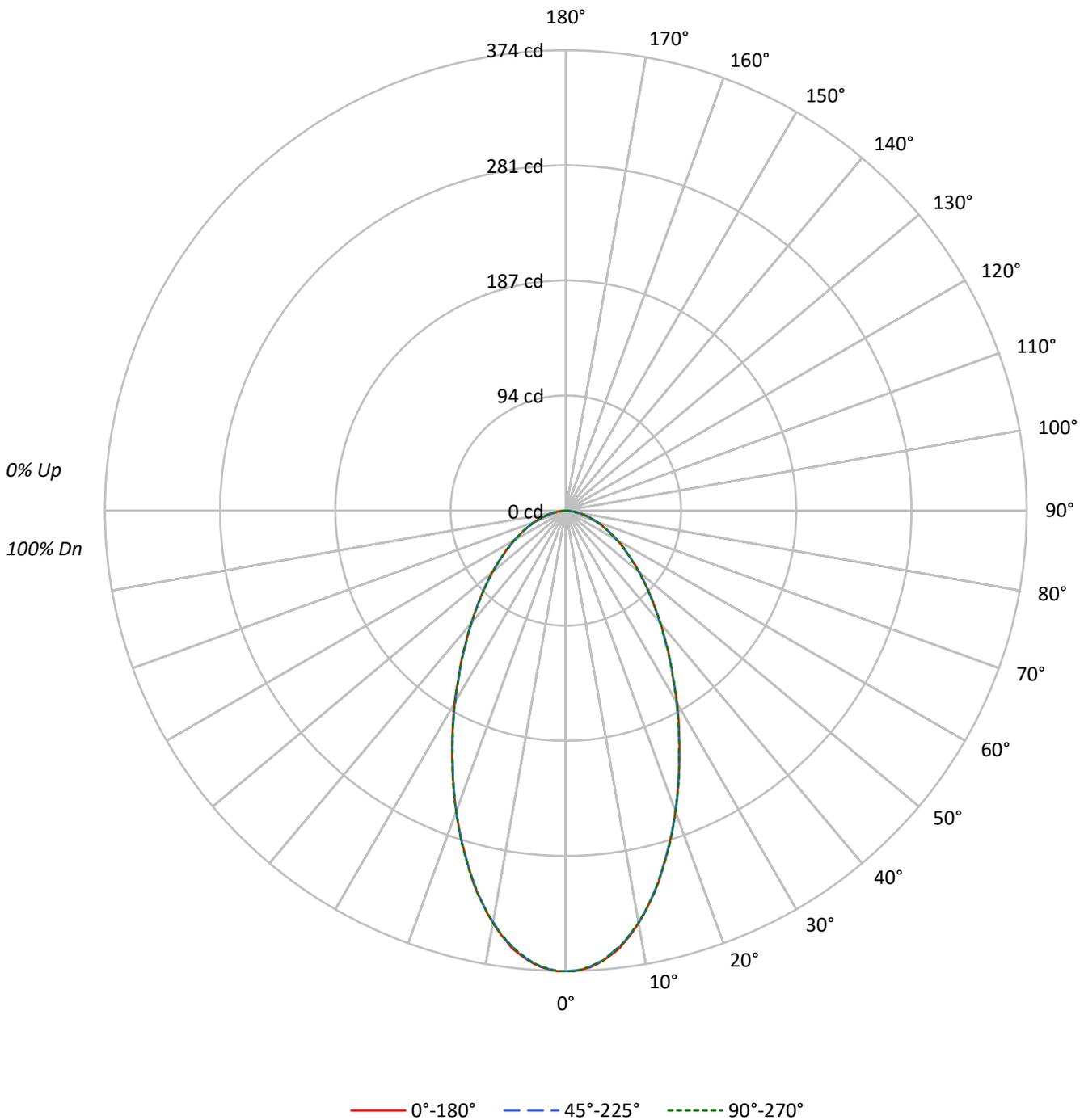
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 500.0 lumens
Efficiency: N/A
Efficacy: 45.0 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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





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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	90	88	
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	79	77	
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	70	68	
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	62	60	
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	56	54	
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	51	49	
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	46	44	
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	42	41	
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	39	38	
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	36	35	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	82077	82077	82077
5°	80541	80387	80541
10°	75728	75572	75728
15°	68559	68559	68695
20°	60695	60695	60695
25°	52769	52624	52624
30°	45754	45425	45577
35°	39378	39217	39378
40°	34178	33978	34178
45°	30019	29802	29802
50°	26643	26404	26404
55°	23435	23435	23435
60°	21226	20963	21226
65°	19094	19094	19094
70°	16990	16990	16990
75°	15335	14742	15335
80°	13007	13007	13007
85°	8051	8051	8051

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 30019 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.0	6.8
10°-20°	84.2	16.8
20°-30°	100.1	20.0
30°-40°	92.0	18.4
40°-50°	74.7	14.9
50°-60°	55.2	11.0
60°-70°	36.5	7.3
70°-80°	18.9	3.8
80°-90°	4.3	0.9
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°	218.4	43.7
0°-40°	310.4	62.1
0°-60°	440.3	88.1
0°-90°	500.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	500.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	374	374	374	374	374	
5°	366	365	365	365	366	34
15°	302	302	302	302	303	84
25°	218	218	218	218	218	100
35°	147	146	146	147	147	92
45°	97	96	96	96	96	75
55°	61	61	61	61	61	55
65°	37	37	37	37	37	37
75°	18	18	17	18	18	19
85°	3	3	3	3	3	4
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	374.3	374.3	374.3	374.3	374.3
1°	374.3	373.6	373.6	373.6	374.3
2°	373.0	373.0	373.0	373.0	373.0
3°	371.7	371.0	371.0	371.0	371.0
4°	369.1	368.5	368.5	368.5	368.5
5°	365.9	365.2	365.2	365.2	365.9
6°	362.0	361.4	360.7	360.7	361.4
7°	358.1	356.8	356.8	356.8	356.8
8°	352.3	351.7	351.7	351.7	351.7
9°	346.5	345.2	345.9	345.9	345.9
10°	340.1	339.4	339.4	339.4	340.1
11°	333.6	333.0	333.0	332.3	333.0
12°	325.9	325.9	325.9	325.9	325.9
13°	318.8	318.1	318.1	318.1	318.8
14°	311.0	310.4	310.4	310.4	310.4
15°	302.0	302.0	302.0	302.0	302.6
17.5°	281.3	280.7	281.3	281.3	282.0
20°	260.1	259.4	260.1	260.1	260.1
22.5°	238.8	238.8	238.1	238.8	239.4
25°	218.1	217.5	217.5	218.1	217.5
27.5°	198.7	198.1	198.1	198.1	198.1
30°	180.7	179.4	179.4	180.0	180.0
32.5°	162.0	162.0	162.6	162.0	162.0
35°	147.1	146.5	146.5	147.1	147.1
37.5°	132.3	131.6	131.6	132.3	132.3
40°	119.4	119.4	118.7	119.4	119.4
42.5°	107.1	107.1	107.1	107.1	107.1
45°	96.8	96.1	96.1	96.1	96.1
47.5°	86.5	86.5	86.5	85.8	86.5
50°	78.1	77.4	77.4	77.4	77.4
52.5°	69.0	69.0	69.0	69.0	69.0
55°	61.3	61.3	61.3	61.3	61.3
57.5°	54.8	54.2	54.2	54.2	54.2
60°	48.4	48.4	47.8	48.4	48.4
62.5°	41.9	41.9	41.9	41.9	41.9
65°	36.8	36.8	36.8	36.8	36.8
67.5°	31.6	31.6	31.6	31.6	31.6
70°	26.5	26.5	26.5	26.5	26.5
72.5°	22.6	21.9	21.9	21.9	21.9
75°	18.1	18.1	17.4	18.1	18.1
77.5°	13.6	13.6	13.6	13.6	13.6
80°	10.3	10.3	10.3	9.7	10.3
82.5°	6.5	6.5	6.5	6.5	6.5
85°	3.2	3.2	3.2	3.2	3.2
87.5°	0.6	0.6	0.6	1.3	1.3



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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)