

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: P1293159

Luminaire Tested: P3A09R35W2N902765DE010 E3PHLP1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1293159
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: P3A09R35W2N902765DE010 E3PHLP1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 4000K CCT AND, 90CRI ,
E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

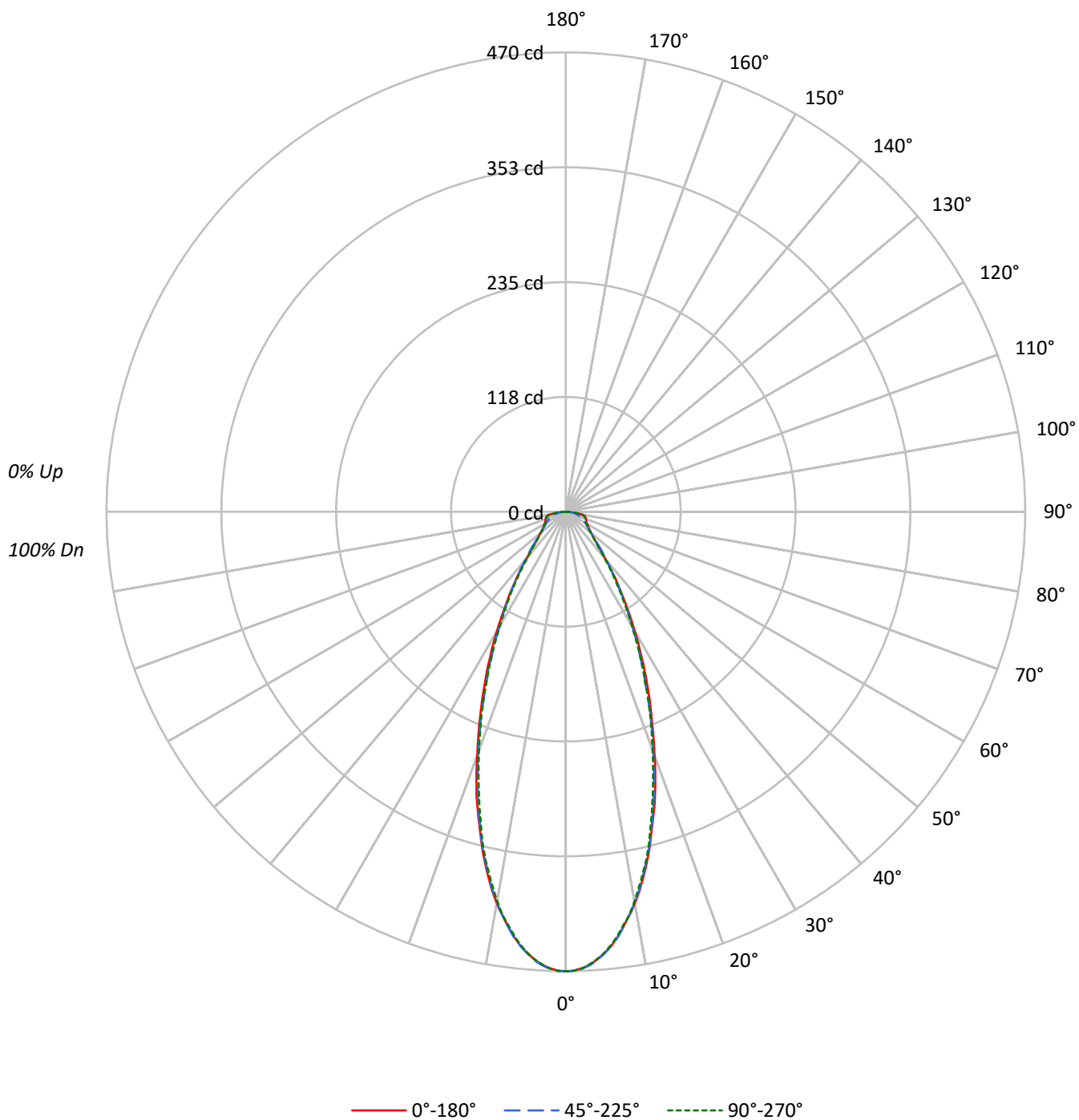
Lumens per Lamp: N/A
Luminaire Lumens: 389.0 lumens
Efficiency: N/A
Efficacy: 43.2 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	103106	103106	103106
5°	99714	99846	99714
10°	90579	90446	90045
15°	76890	76618	75960
20°	61909	61069	60532
25°	47858	46430	46430
30°	35676	34486	34182
35°	25672	25350	24735
40°	17977	18463	17290
45°	13397	14141	13025
50°	11531	11531	11326
55°	10857	10399	10628
60°	11183	10131	10657
65°	11986	10118	11674
70°	14041	10643	13656
75°	17538	11014	17029
80°	22478	11996	20205
85°	17863	11825	17863

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 22478 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.8	10.7
10°-20°	93.2	24.0
20°-30°	89.0	22.9
30°-40°	59.8	15.4
40°-50°	35.1	9.0
50°-60°	25.1	6.5
60°-70°	20.9	5.4
70°-80°	17.1	4.4
80°-90°	7.1	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°	224.0	57.6
0°-40°	283.7	72.9
0°-60°	343.9	88.4
0°-90°	389.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	389.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	470	470	470	470	470	
5°	453	454	454	453	453	42
15°	339	339	338	335	335	94
25°	198	195	192	192	192	91
35°	96	96	95	93	92	61
45°	43	44	46	43	42	35
55°	28	28	27	27	28	26
65°	23	21	20	21	22	23
75°	21	16	13	16	20	22
85°	7	8	5	8	7	8
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	470.2	470.2	470.2	470.2	470.2
1°	469.6	470.2	470.2	469.6	469.6
2°	467.2	468.4	467.8	467.2	467.8
3°	464.2	465.4	464.8	464.2	463.7
4°	459.5	460.7	460.1	458.9	458.9
5°	453.0	454.2	453.6	453.0	453.0
6°	446.5	447.7	446.5	445.3	445.3
7°	437.6	439.4	438.2	437.0	436.4
8°	427.5	429.3	428.1	427.5	426.3
9°	417.5	418.6	416.9	416.9	416.9
10°	406.8	407.4	406.2	404.4	404.4
11°	395.0	394.4	393.8	392.6	391.4
12°	381.9	381.9	380.2	379.0	378.4
13°	368.3	367.7	366.5	365.4	365.4
14°	354.1	354.1	352.9	350.6	351.1
15°	338.7	339.3	337.5	335.2	334.6
17.5°	303.8	302.6	299.6	297.8	296.1
20°	265.3	264.7	261.7	260.0	259.4
22.5°	229.8	229.2	226.2	224.4	225.6
25°	197.8	195.4	191.9	191.9	191.9
27.5°	168.2	165.2	162.8	161.7	162.8
30°	140.9	138.6	136.2	135.6	135.0
32.5°	116.7	115.5	114.3	112.5	112.5
35°	95.9	95.9	94.7	93.0	92.4
37.5°	78.2	78.8	78.2	76.4	75.8
40°	62.8	64.0	64.5	62.8	60.4
42.5°	51.5	53.3	54.5	51.5	49.7
45°	43.2	44.4	45.6	43.2	42.0
47.5°	37.9	38.5	39.1	37.3	36.7
50°	33.8	33.8	33.8	33.2	33.2
52.5°	30.8	30.8	30.2	29.6	29.6
55°	28.4	27.8	27.2	27.2	27.8
57.5°	26.6	26.1	24.9	25.5	26.1
60°	25.5	24.3	23.1	23.7	24.3
62.5°	23.7	22.5	21.3	21.9	23.1
65°	23.1	20.7	19.5	20.7	22.5
67.5°	22.5	19.5	17.8	19.5	21.9
70°	21.9	18.4	16.6	18.4	21.3
72.5°	21.3	17.2	14.8	17.2	20.7
75°	20.7	16.0	13.0	16.0	20.1
77.5°	19.5	14.8	11.3	14.8	18.4
80°	17.8	13.6	9.5	13.0	16.0
82.5°	13.0	11.3	7.7	11.3	11.8
85°	7.1	7.7	4.7	7.7	7.1
87.5°	0.6	1.2	1.2	3.6	2.4



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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)