

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: P1245737

Luminaire Tested: P3A02R359024DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245737
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: P3A02R359024DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

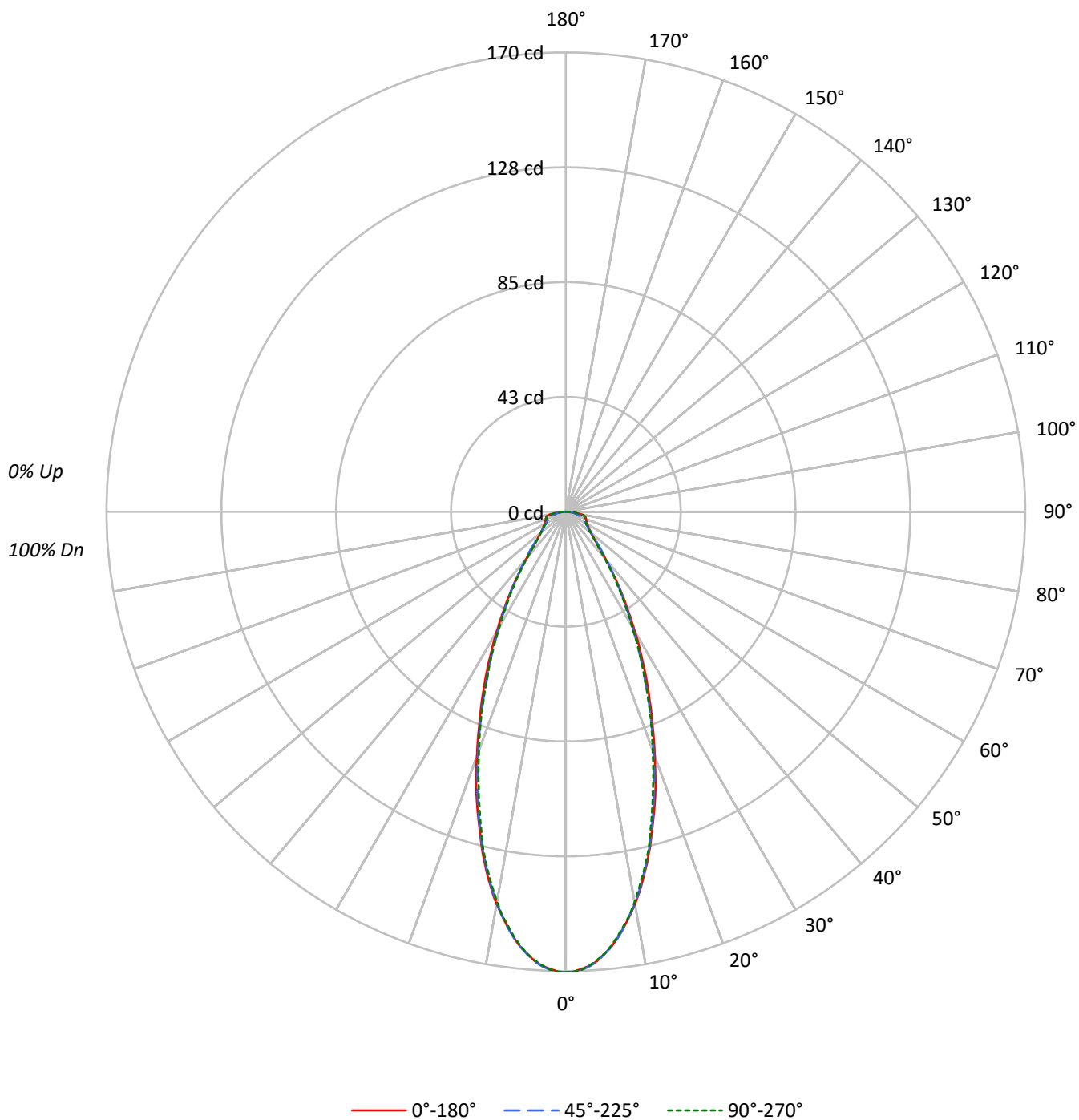
Lumens per Lamp: N/A
Luminaire Lumens: 141.0 lumens
Efficiency: N/A
Efficacy: 39.2 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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
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°	37365	37365	37365
5°	36143	36187	36143
10°	32843	32776	32642
15°	27878	27764	27537
20°	22449	22145	21935
25°	17348	16815	16815
30°	12939	12508	12382
35°	9316	9182	8968
40°	6527	6698	6269
45°	4869	5117	4714
50°	4162	4162	4094
55°	3938	3785	3861
60°	4035	3684	3859
65°	4358	3684	4255
70°	5065	3847	4937
75°	6354	3982	6185
80°	8082	4293	7324
85°	6542	4277	6542

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 8082 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.1	10.7
10°-20°	33.8	24.0
20°-30°	32.3	22.9
30°-40°	21.7	15.4
40°-50°	12.7	9.0
50°-60°	9.1	6.4
60°-70°	7.6	5.4
70°-80°	6.2	4.4
80°-90°	2.6	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°	81.2	57.6
0°-40°	102.8	72.9
0°-60°	124.7	88.4
0°-90°	141.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	141.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	170	170	170	170	170	
5°	164	165	164	164	164	15
15°	123	123	122	122	121	34
25°	72	71	70	70	70	33
35°	35	35	34	34	34	22
45°	16	16	16	16	15	13
55°	10	10	10	10	10	9
65°	8	8	7	8	8	8
75°	8	6	5	6	7	8
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°	170.4	170.4	170.4	170.4	170.4
1°	170.2	170.4	170.4	170.2	170.2
2°	169.3	169.8	169.6	169.3	169.6
3°	168.3	168.7	168.5	168.3	168.1
4°	166.6	167.0	166.8	166.3	166.3
5°	164.2	164.6	164.4	164.2	164.2
6°	161.8	162.3	161.8	161.4	161.4
7°	158.6	159.3	158.8	158.4	158.2
8°	155.0	155.6	155.2	155.0	154.5
9°	151.3	151.7	151.1	151.1	151.1
10°	147.5	147.7	147.2	146.6	146.6
11°	143.2	142.9	142.7	142.3	141.9
12°	138.4	138.4	137.8	137.4	137.2
13°	133.5	133.3	132.9	132.4	132.4
14°	128.4	128.4	127.9	127.1	127.3
15°	122.8	123.0	122.3	121.5	121.3
17.5°	110.1	109.7	108.6	108.0	107.3
20°	96.2	95.9	94.9	94.2	94.0
22.5°	83.3	83.1	82.0	81.3	81.8
25°	71.7	70.8	69.5	69.5	69.5
27.5°	61.0	59.9	59.0	58.6	59.0
30°	51.1	50.2	49.4	49.2	48.9
32.5°	42.3	41.9	41.4	40.8	40.8
35°	34.8	34.8	34.3	33.7	33.5
37.5°	28.3	28.5	28.3	27.7	27.5
40°	22.8	23.2	23.4	22.8	21.9
42.5°	18.7	19.3	19.7	18.7	18.0
45°	15.7	16.1	16.5	15.7	15.2
47.5°	13.7	14.0	14.2	13.5	13.3
50°	12.2	12.2	12.2	12.0	12.0
52.5°	11.2	11.2	10.9	10.7	10.7
55°	10.3	10.1	9.9	9.9	10.1
57.5°	9.7	9.4	9.0	9.2	9.4
60°	9.2	8.8	8.4	8.6	8.8
62.5°	8.6	8.2	7.7	7.9	8.4
65°	8.4	7.5	7.1	7.5	8.2
67.5°	8.2	7.1	6.4	7.1	7.9
70°	7.9	6.7	6.0	6.7	7.7
72.5°	7.7	6.2	5.4	6.2	7.5
75°	7.5	5.8	4.7	5.8	7.3
77.5°	7.1	5.4	4.1	5.4	6.7
80°	6.4	4.9	3.4	4.7	5.8
82.5°	4.7	4.1	2.8	4.1	4.3
85°	2.6	2.8	1.7	2.8	2.6
87.5°	0.2	0.4	0.4	1.3	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)