

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: P1247313

Luminaire Tested: P3AS17R359024DE010 E3PH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247313
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS17R359024DE010 E3PH1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3PH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

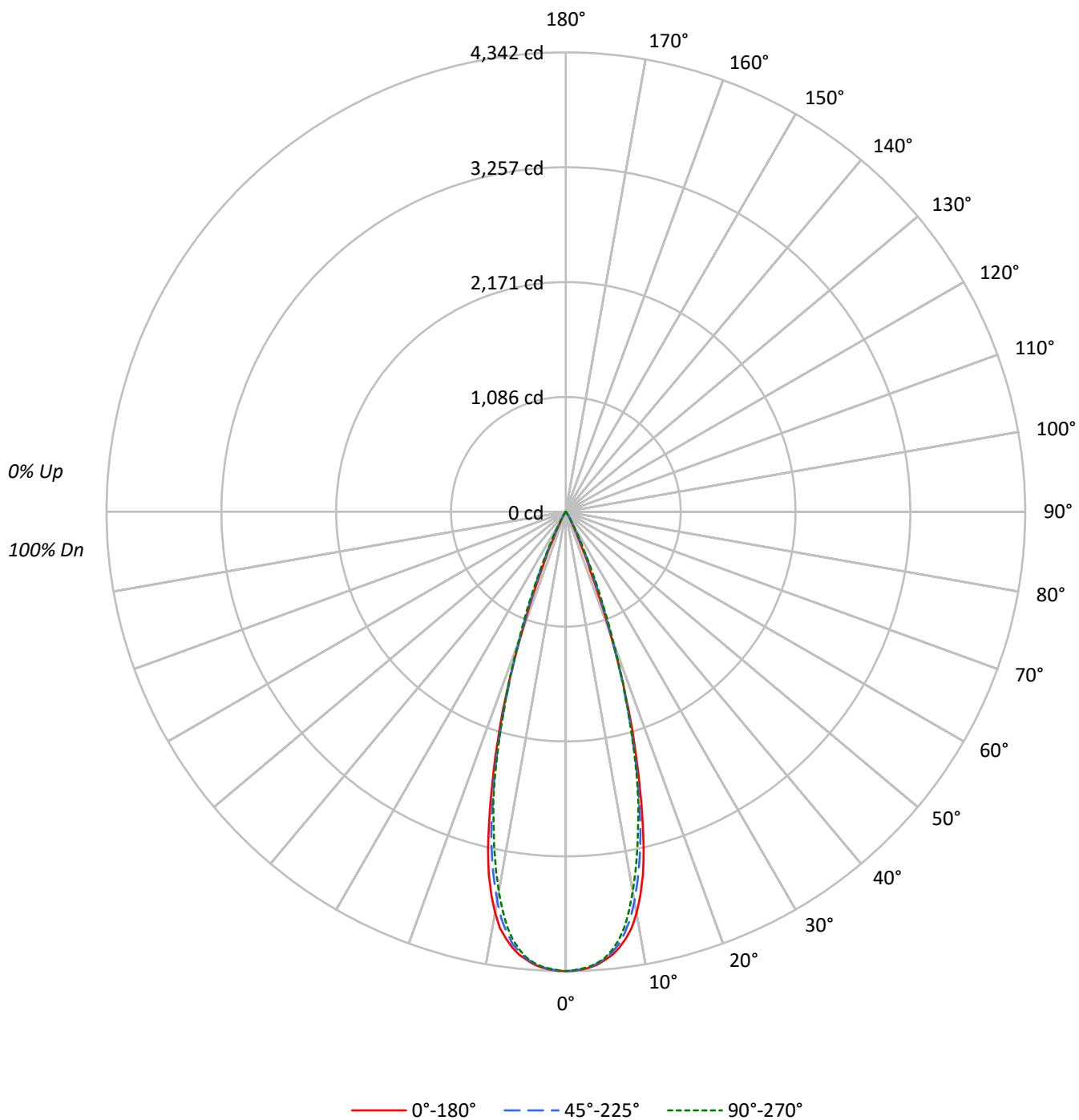
Lumens per Lamp: N/A
Luminaire Lumens: 1318.0 lumens
Efficiency: N/A
Efficacy: 62.2 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	103	101	103	101	99		100	98	97		97
3	108	103	100	97	106	102	99	96	99	97	94		97	95	93		95
4	104	99	95	92	103	98	94	92	96	93	91		94	92	90		93
5	101	95	91	88	100	95	91	88	93	90	87		92	89	87		90
6	98	92	88	85	97	91	88	85	90	87	84		89	86	84		88
7	96	89	85	82	94	89	85	82	87	84	81		86	83	81		85
8	93	86	82	79	92	86	82	79	85	81	79		84	81	79		83
9	90	84	80	77	89	83	79	77	82	79	76		82	79	76		81
10	88	81	77	75	87	81	77	74	80	77	74		80	76	74		79

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	952204	952204	952204
5°	935833	933852	931849
10°	857677	831893	811675
15°	614147	594555	587336
20°	284785	294586	304923
25°	67576	96127	100264
30°	19826	22712	25574
35°	4551	7281	6692
40°	973	1947	1288
45°	341	341	341
50°	375	0	375
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 396 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.9	29.6
10°-20°	696.9	52.9
20°-30°	209.7	15.9
30°-40°	20.0	1.5
40°-50°	1.4	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1296.5	98.4
0°-40°	1316.5	99.9
0°-60°	1318.0	100.0
0°-90°	1318.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1318.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4342	4342	4342	4342	4342	
5°	4252	4250	4242	4237	4233	394
15°	2705	2685	2619	2608	2587	715
25°	279	308	397	414	414	180
35°	17	23	27	30	25	16
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4342.4	4342.4	4342.4	4342.4	4342.4
1°	4340.1	4340.1	4337.8	4337.8	4333.3
2°	4329.9	4331.0	4326.5	4325.3	4321.9
3°	4314.0	4310.6	4310.6	4308.3	4306.0
4°	4289.0	4282.2	4279.9	4281.1	4276.5
5°	4251.5	4250.4	4242.5	4236.8	4233.4
6°	4210.7	4202.7	4185.7	4170.9	4167.5
7°	4149.4	4132.3	4117.6	4086.9	4082.4
8°	4074.4	4047.2	4015.4	3972.3	3970.0
9°	3982.5	3938.2	3893.9	3836.0	3815.6
10°	3851.9	3811.1	3736.1	3685.0	3645.3
11°	3689.6	3638.5	3551.1	3489.8	3456.9
12°	3505.7	3458.0	3355.8	3300.2	3253.6
13°	3269.5	3229.8	3134.4	3073.1	3036.8
14°	2995.9	2966.4	2875.6	2848.4	2835.9
15°	2705.3	2684.9	2619.0	2607.7	2587.2
17.5°	1991.2	1957.2	1919.7	1926.5	1933.3
20°	1220.4	1268.1	1262.4	1287.4	1306.7
22.5°	608.5	669.8	741.3	784.5	806.0
25°	279.3	307.7	397.3	414.4	414.4
27.5°	140.8	147.6	187.3	190.7	199.8
30°	78.3	84.0	89.7	99.9	101.0
32.5°	39.7	46.5	48.8	54.5	52.2
35°	17.0	22.7	27.2	29.5	25.0
37.5°	7.9	10.2	14.8	13.6	10.2
40°	3.4	4.5	6.8	5.7	4.5
42.5°	2.3	2.3	3.4	2.3	2.3
45°	1.1	1.1	1.1	1.1	1.1
47.5°	1.1	1.1	0.0	1.1	1.1
50°	1.1	0.0	0.0	0.0	1.1
52.5°	1.1	0.0	0.0	0.0	1.1
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)