

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: P1252727

Luminaire Tested: P3AS20R359030D010 E3PH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1252727
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: P3AS20R359030D010 E3PH1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3PH1MW TRIM
Light Source: -
Ballast/Driver: -

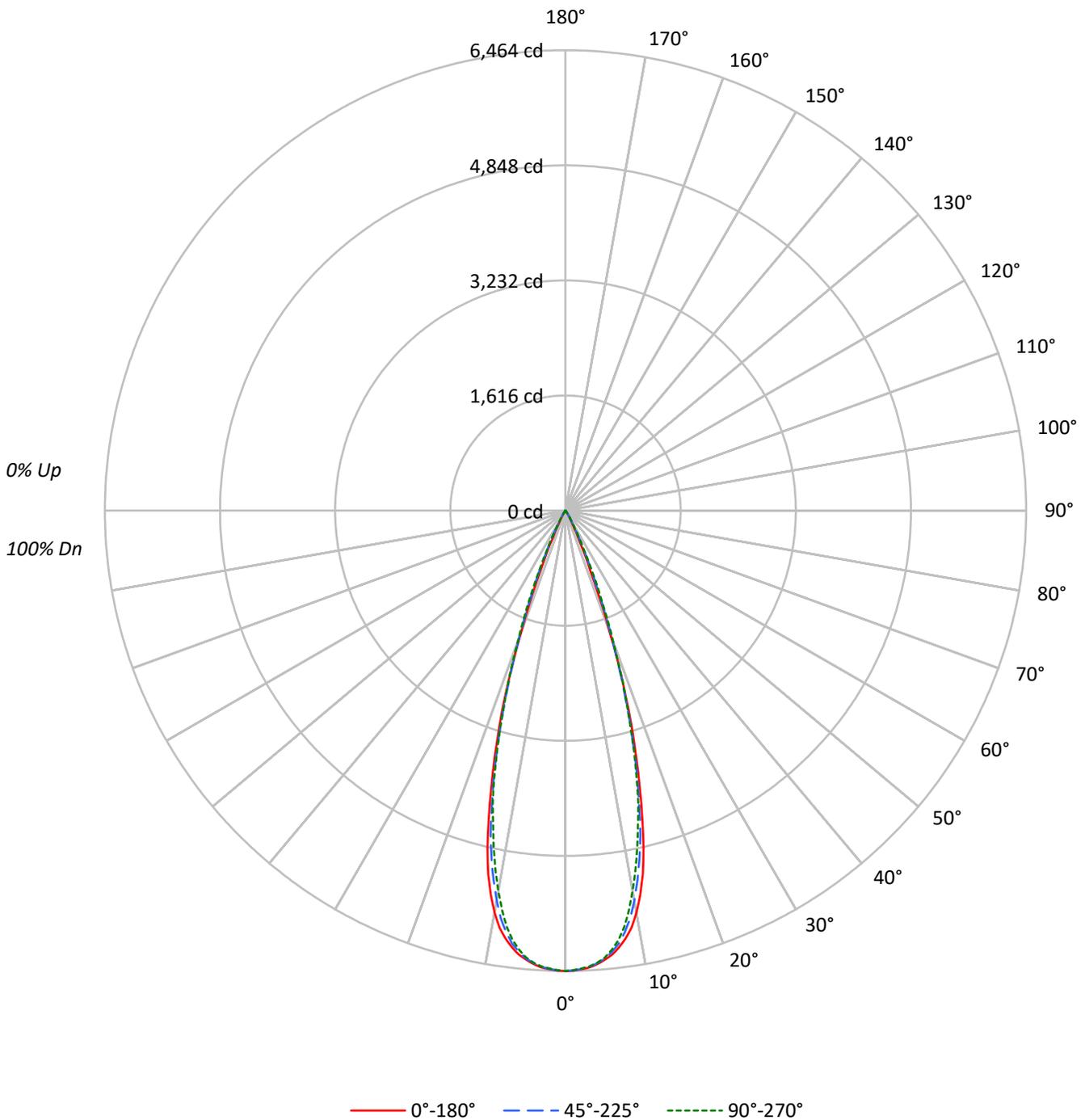
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1962.0 lumens
Efficiency: N/A
Efficacy: 68.1 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): 28.8
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	0
RW	70	50	30	10	70	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	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	80
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	77
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	75
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1417452	1417452	1417452
5°	1393107	1390135	1387163
10°	1276752	1238387	1208283
15°	914239	885068	874330
20°	423934	438518	453896
25°	100578	143113	149234
30°	29524	33803	38082
35°	6773	10868	9958
40°	1460	2891	1947
45°	527	527	527
50°	580	0	580
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: 612 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	580.3	29.6
10°-20°	1037.5	52.9
20°-30°	312.1	15.9
30°-40°	29.9	1.5
40°-50°	2.0	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°	1930.0	98.4
0°-40°	1959.8	99.9
0°-60°	1962.0	100.0
0°-90°	1962.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1962.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6464	6464	6464	6464	6464	
5°	6329	6327	6315	6307	6302	587
15°	4027	3997	3899	3882	3851	1064
25°	416	458	592	617	617	268
35°	25	34	41	44	37	23
45°	2	2	2	2	2	2
55°	0	0	0	0	0	1
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6464.1	6464.1	6464.1	6464.1	6464.1
1°	6460.7	6460.7	6457.4	6457.4	6450.6
2°	6445.5	6447.2	6440.5	6438.8	6433.7
3°	6421.9	6416.8	6416.8	6413.4	6410.0
4°	6384.7	6374.5	6371.2	6372.9	6366.1
5°	6328.9	6327.2	6315.4	6306.9	6301.9
6°	6268.1	6256.2	6230.9	6208.9	6203.9
7°	6176.8	6151.5	6129.5	6083.9	6077.1
8°	6065.3	6024.7	5977.4	5913.2	5909.8
9°	5928.4	5862.5	5796.6	5710.4	5680.0
10°	5734.0	5673.2	5561.7	5485.6	5426.5
11°	5492.4	5416.3	5286.2	5194.9	5145.9
12°	5218.6	5147.6	4995.5	4912.7	4843.4
13°	4867.1	4807.9	4666.0	4574.7	4520.7
14°	4459.8	4415.9	4280.7	4240.1	4221.5
15°	4027.2	3996.8	3898.7	3881.8	3851.4
17.5°	2964.2	2913.5	2857.7	2867.9	2878.0
20°	1816.7	1887.7	1879.2	1916.4	1945.1
22.5°	905.8	997.1	1103.5	1167.8	1199.9
25°	415.7	458.0	591.5	616.8	616.8
27.5°	209.6	219.7	278.8	283.9	297.4
30°	116.6	125.1	133.5	148.7	150.4
32.5°	59.1	69.3	72.7	81.1	77.7
35°	25.3	33.8	40.6	43.9	37.2
37.5°	11.8	15.2	22.0	20.3	15.2
40°	5.1	6.8	10.1	8.4	6.8
42.5°	3.4	3.4	5.1	3.4	3.4
45°	1.7	1.7	1.7	1.7	1.7
47.5°	1.7	1.7	0.0	1.7	1.7
50°	1.7	0.0	0.0	0.0	1.7
52.5°	1.7	0.0	0.0	0.0	1.7
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)