

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: P1250020

Luminaire Tested: P3AS20R359027D010 E3PH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250020
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: P3AS20R359027D010 E3PH1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3PH1MW TRIM
Light Source: -
Ballast/Driver: -

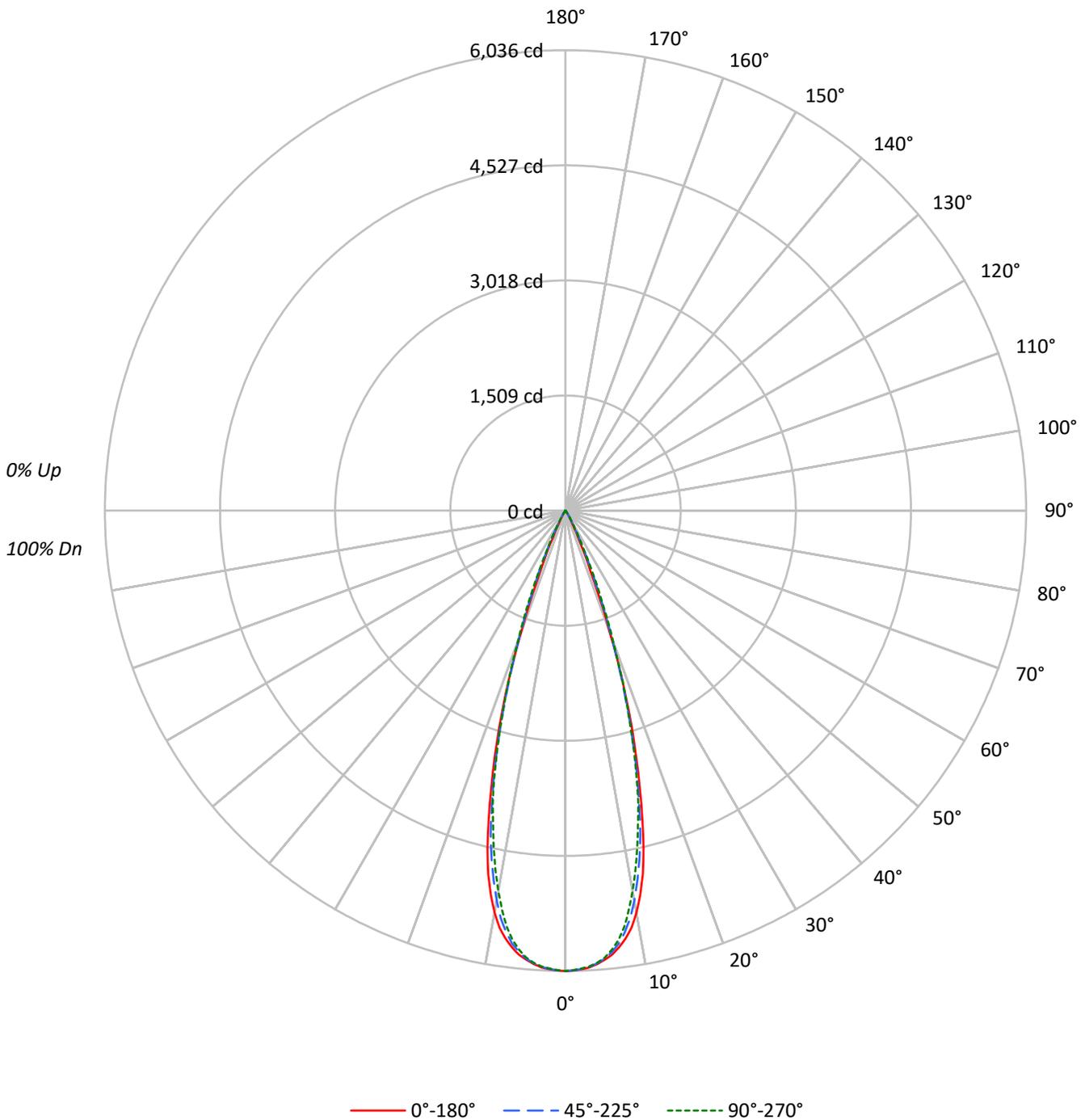
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1832.0 lumens
Efficiency: N/A
Efficacy: 63.6 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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93	92	91
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90	89	87
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87	85	82
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	83	80
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82	80	77
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	80	78	75
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	77	75	73
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	75	73	71
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	73	71	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1323534	1323534	1323534
5°	1300811	1298016	1295242
10°	1192162	1156336	1128213
15°	853648	826429	816395
20°	395838	409466	423840
25°	93925	133629	139363
30°	27574	31574	35550
35°	6344	10146	9289
40°	1345	2719	1803
45°	496	496	496
50°	546	0	546
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: 576 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	541.9	29.6
10°-20°	968.7	52.9
20°-30°	291.5	15.9
30°-40°	27.9	1.5
40°-50°	1.9	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°	1802.1	98.4
0°-40°	1830.0	99.9
0°-60°	1832.0	100.0
0°-90°	1832.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1832.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6036	6036	6036	6036	6036	
5°	5910	5908	5897	5889	5884	548
15°	3760	3732	3640	3625	3596	993
25°	388	428	552	576	576	250
35°	24	32	38	41	35	22
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°	6035.8	6035.8	6035.8	6035.8	6035.8
1°	6032.6	6032.6	6029.5	6029.5	6023.2
2°	6018.4	6020.0	6013.7	6012.1	6007.4
3°	5996.4	5991.6	5991.6	5988.5	5985.3
4°	5961.6	5952.2	5949.0	5950.6	5944.3
5°	5909.6	5908.0	5896.9	5889.1	5884.3
6°	5852.8	5841.7	5818.0	5797.5	5792.8
7°	5767.5	5743.9	5723.4	5680.8	5674.4
8°	5663.4	5625.5	5581.3	5521.4	5518.2
9°	5535.6	5474.0	5412.5	5332.0	5303.6
10°	5354.1	5297.3	5193.2	5122.2	5066.9
11°	5128.5	5057.5	4935.9	4850.7	4805.0
12°	4872.8	4806.6	4664.5	4587.2	4522.5
13°	4544.6	4489.4	4356.8	4271.6	4221.1
14°	4164.3	4123.3	3997.0	3959.2	3941.8
15°	3760.3	3731.9	3640.4	3624.6	3596.2
17.5°	2767.8	2720.5	2668.4	2677.8	2687.3
20°	1696.3	1762.6	1754.7	1789.4	1816.3
22.5°	845.8	931.0	1030.4	1090.4	1120.4
25°	388.2	427.6	552.3	576.0	576.0
27.5°	195.7	205.1	260.4	265.1	277.7
30°	108.9	116.8	124.7	138.9	140.4
32.5°	55.2	64.7	67.9	75.7	72.6
35°	23.7	31.6	37.9	41.0	34.7
37.5°	11.0	14.2	20.5	18.9	14.2
40°	4.7	6.3	9.5	7.9	6.3
42.5°	3.2	3.2	4.7	3.2	3.2
45°	1.6	1.6	1.6	1.6	1.6
47.5°	1.6	1.6	0.0	1.6	1.6
50°	1.6	0.0	0.0	0.0	1.6
52.5°	1.6	0.0	0.0	0.0	1.6
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)