

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: P1276824

Luminaire Tested: P3AS20R359835D010 E3PH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1276824
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: P3AS20R359835D010 E3PH1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , E3PH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

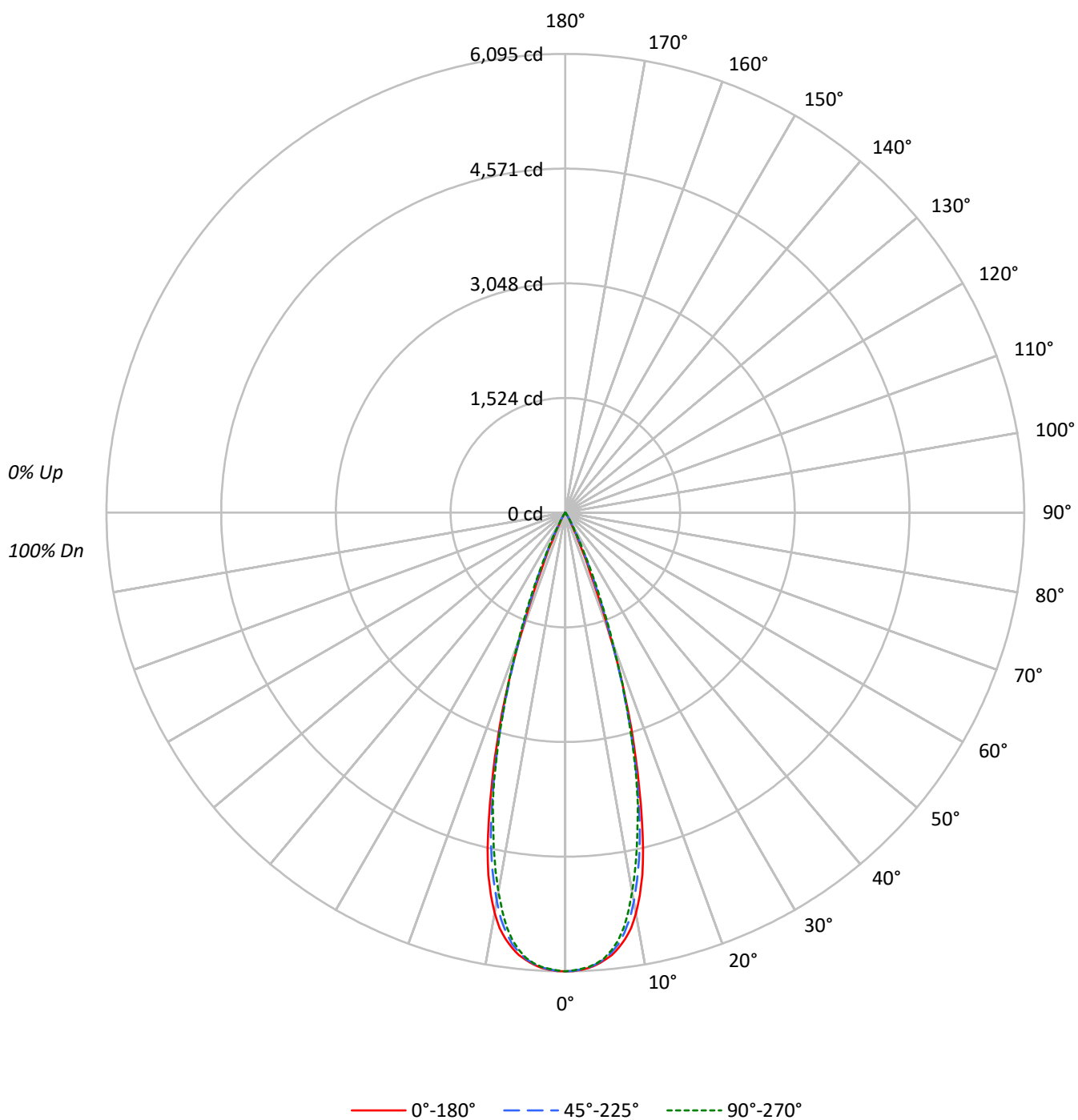
Lumens per Lamp: N/A
Luminaire Lumens: 1850.0 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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	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	83
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	82	80
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82	79	77
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	78	76	74
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	75	73	71
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	73	71	69
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	71	69	67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1336538	1336538	1336538
5°	1313578	1310782	1307965
10°	1203874	1167692	1139302
15°	862048	834556	824432
20°	399735	413503	427994
25°	94844	134935	140718
30°	27852	31878	35904
35°	6398	10226	9396
40°	1374	2748	1832
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°	547.2	29.6
10°-20°	978.3	52.9
20°-30°	294.3	15.9
30°-40°	28.1	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°	1819.8	98.4
0°-40°	1847.9	99.9
0°-60°	1850.0	100.0
0°-90°	1850.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1850.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6095	6095	6095	6095	6095	
5°	5968	5966	5955	5947	5942	553
15°	3797	3769	3676	3660	3632	1003
25°	392	432	558	582	582	252
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6095.1	6095.1	6095.1	6095.1	6095.1
1°	6091.9	6091.9	6088.7	6088.7	6082.4
2°	6077.6	6079.2	6072.8	6071.2	6066.4
3°	6055.3	6050.5	6050.5	6047.3	6044.1
4°	6020.2	6010.7	6007.5	6009.1	6002.7
5°	5967.6	5966.0	5954.9	5946.9	5942.1
6°	5910.3	5899.1	5875.2	5854.5	5849.7
7°	5824.2	5800.3	5779.6	5736.6	5730.2
8°	5719.0	5680.8	5636.2	5575.6	5572.4
9°	5590.0	5527.8	5465.7	5384.4	5355.7
10°	5406.7	5349.4	5244.2	5172.5	5116.7
11°	5178.9	5107.1	4984.4	4898.4	4852.2
12°	4920.7	4853.8	4710.4	4632.3	4567.0
13°	4589.3	4533.5	4399.6	4313.6	4262.6
14°	4205.2	4163.8	4036.3	3998.1	3980.5
15°	3797.3	3768.6	3676.2	3660.3	3631.6
17.5°	2795.0	2747.2	2694.6	2704.2	2713.7
20°	1713.0	1779.9	1772.0	1807.0	1834.1
22.5°	854.1	940.2	1040.6	1101.1	1131.4
25°	392.0	431.8	557.7	581.6	581.6
27.5°	197.6	207.2	262.9	267.7	280.5
30°	110.0	117.9	125.9	140.2	141.8
32.5°	55.8	65.3	68.5	76.5	73.3
35°	23.9	31.9	38.2	41.4	35.1
37.5°	11.2	14.3	20.7	19.1	14.3
40°	4.8	6.4	9.6	8.0	6.4
42.5°	3.2	3.2	4.8	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)