

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: P1312759

Luminaire Tested: P3SQAS20R359727D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312759
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359727D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

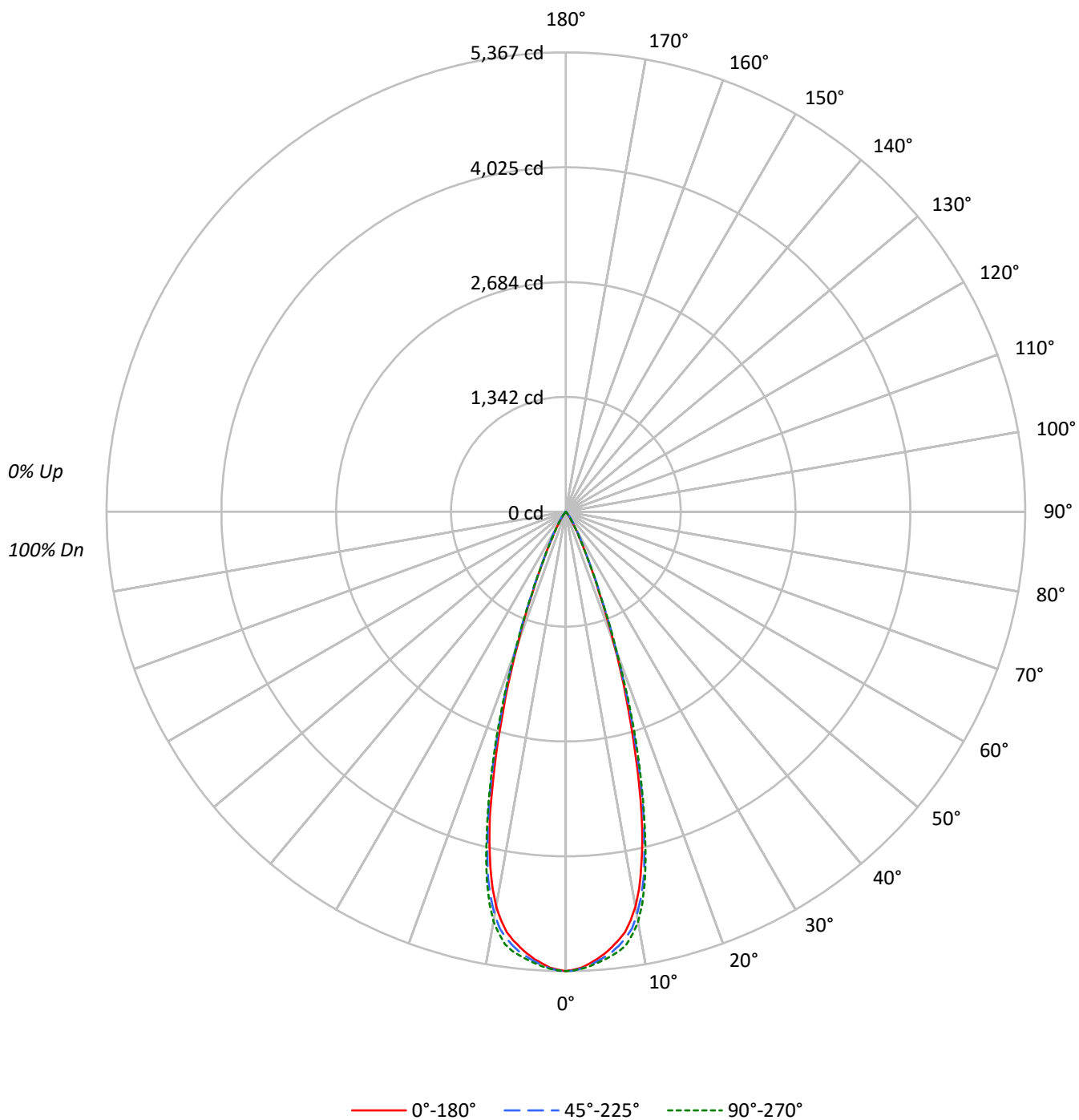
Lumens per Lamp: N/A
Luminaire Lumens: 1787.0 lumens
Efficiency: N/A
Efficacy: 62.0 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	107	107	105	104	103	102	101	100	99	98	96	95	94
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93	92	91
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89	88	87
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86	85	84
5	100	94	90	87	99	93	90	87	92	88	86	90	87	85	89	86	84	83	82	81
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	80	79	78
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	77	76	75
8	91	85	80	77	91	84	80	77	83	80	77	82	79	77	81	79	76	74	73	72
9	89	82	78	75	88	81	77	75	81	77	74	80	77	74	79	76	74	71	70	69
10	86	79	75	72	85	79	75	72	78	75	72	78	74	72	77	74	72	69	67	65

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	924336	924336	924336
5°	896299	902661	907571
10°	819048	836378	850736
15°	589007	614754	619799
20°	299875	314922	315692
25°	113769	116182	112971
30°	44188	51228	43074
35°	15180	23800	14276
40°	5081	9218	4766
45°	341	3093	341
50°	0	375	0
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: 45°

Vertical Angle: 45°

Luminance: 3093 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	485.8	27.2
10°-20°	905.2	50.7
20°-30°	325.4	18.2
30°-40°	63.5	3.6
40°-50°	7.1	0.4
50°-60°	0.0	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°	1716.4	96.0
0°-40°	1779.9	99.6
0°-60°	1787.0	100.0
0°-90°	1787.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1787.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5367	5367	5367	5367	5367	
5°	5184	5199	5221	5245	5250	480
15°	3304	3359	3448	3472	3476	878
25°	599	604	611	607	594	314
35°	72	82	113	84	68	54
45°	1	4	13	4	1	4
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°	5367.1	5367.1	5367.1	5367.1	5367.1
1°	5351.6	5358.6	5360.1	5370.0	5358.6
2°	5328.9	5333.2	5338.8	5347.3	5341.7
3°	5285.0	5293.5	5306.3	5317.6	5317.6
4°	5238.3	5249.7	5265.2	5285.0	5283.6
5°	5184.5	5198.7	5221.3	5245.4	5249.7
6°	5116.6	5133.6	5170.4	5204.4	5210.0
7°	5044.4	5069.9	5105.3	5154.8	5167.6
8°	4959.5	4979.3	5030.3	5088.3	5102.5
9°	4834.9	4864.7	4929.8	4983.6	4992.1
10°	4683.5	4704.7	4782.6	4839.2	4864.7
11°	4488.2	4519.3	4595.7	4653.8	4670.8
12°	4239.1	4284.4	4373.5	4416.0	4430.1
13°	3970.1	4008.4	4077.7	4130.1	4141.4
14°	3667.3	3704.1	3776.2	3818.7	3808.8
15°	3303.5	3358.7	3447.9	3471.9	3476.2
17.5°	2440.1	2475.5	2554.8	2593.0	2619.9
20°	1636.2	1670.2	1718.3	1743.8	1722.5
22.5°	995.0	1023.3	1048.8	1047.4	1040.3
25°	598.7	604.4	611.4	607.2	594.5
27.5°	349.6	365.2	386.4	372.2	351.0
30°	222.2	235.0	257.6	233.5	216.6
32.5°	117.5	148.6	172.7	140.1	123.1
35°	72.2	82.1	113.2	83.5	67.9
37.5°	43.9	51.0	70.8	49.5	39.6
40°	22.6	32.6	41.0	29.7	21.2
42.5°	7.1	15.6	22.6	14.2	7.1
45°	1.4	4.2	12.7	4.2	1.4
47.5°	0.0	0.0	5.7	1.4	0.0
50°	0.0	0.0	1.4	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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)