

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: P1316551

Luminaire Tested: P3SQAS20R359827D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316551
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: P3SQAS20R359827D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

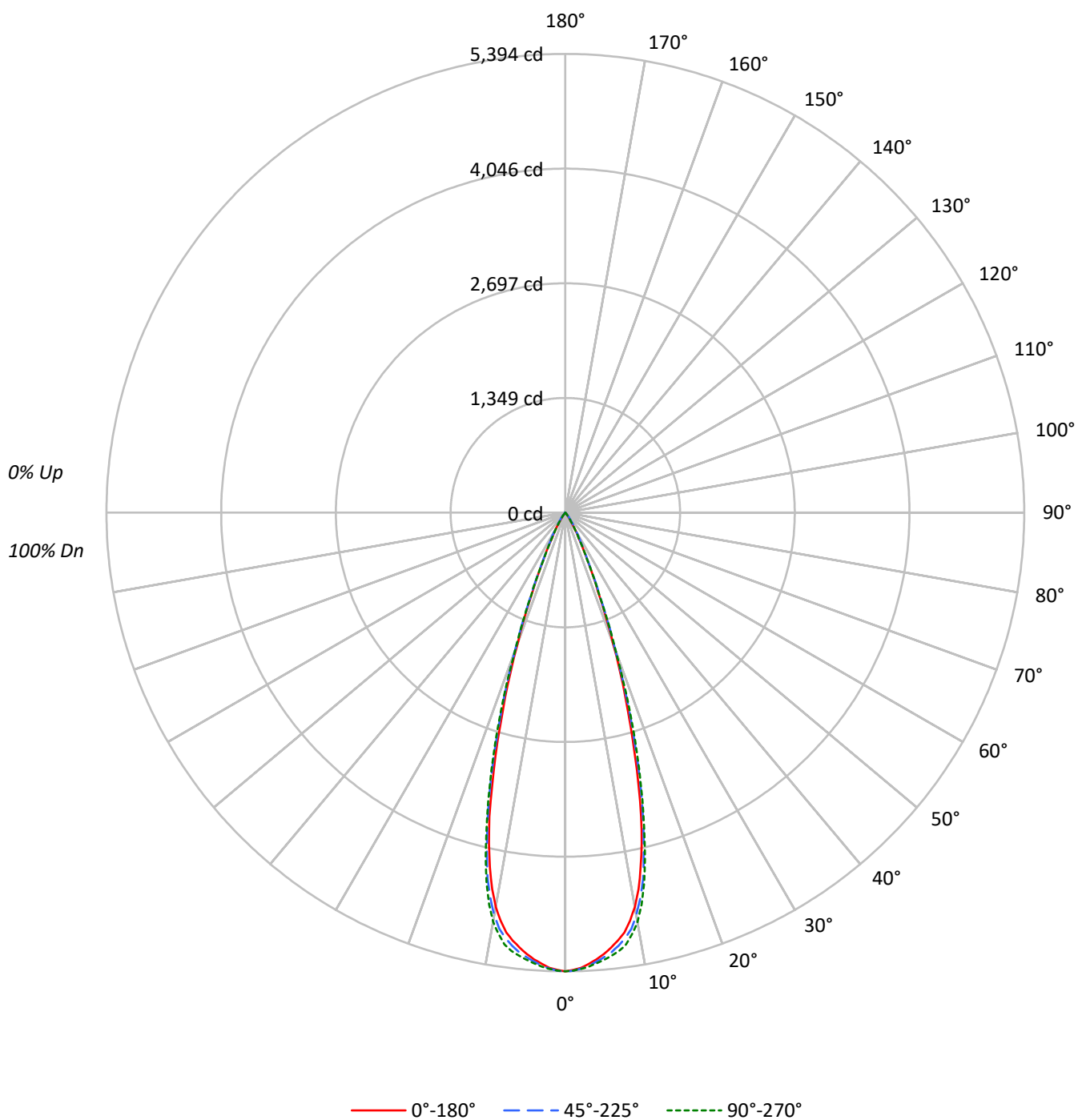
Lumens per Lamp: N/A
Luminaire Lumens: 1796.0 lumens
Efficiency: N/A
Efficacy: 65.5 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	929003	929003	929003
5°	900828	907208	912135
10°	823175	840593	855021
15°	591967	617838	622920
20°	301378	316498	317287
25°	114339	116771	113541
30°	44407	51486	43273
35°	15243	23926	14360
40°	5126	9285	4789
45°	341	3118	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: 3118 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	488.3	27.2
10°-20°	909.7	50.7
20°-30°	327.0	18.2
30°-40°	63.8	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°	1725.0	96.0
0°-40°	1788.8	99.6
0°-60°	1796.0	100.0
0°-90°	1796.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1796.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5394	5394	5394	5394	5394	
5°	5211	5225	5248	5272	5276	483
15°	3320	3376	3465	3489	3494	882
25°	602	607	614	610	598	315
35°	72	82	114	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°	5394.2	5394.2	5394.2	5394.2	5394.2
1°	5378.5	5385.6	5387.0	5397.0	5385.6
2°	5355.8	5360.0	5365.7	5374.2	5368.6
3°	5311.7	5320.2	5333.0	5344.4	5344.4
4°	5264.7	5276.1	5291.7	5311.7	5310.2
5°	5210.7	5224.9	5247.6	5271.8	5276.1
6°	5142.4	5159.4	5196.4	5230.6	5236.3
7°	5069.8	5095.4	5131.0	5180.8	5193.6
8°	4984.5	5004.4	5055.6	5113.9	5128.2
9°	4859.3	4889.2	4954.6	5008.7	5017.2
10°	4707.1	4728.4	4806.7	4863.6	4889.2
11°	4510.8	4542.1	4618.9	4677.2	4694.3
12°	4260.4	4305.9	4395.6	4438.2	4452.5
13°	3990.1	4028.6	4098.3	4150.9	4162.3
14°	3685.7	3722.7	3795.3	3837.9	3828.0
15°	3320.1	3375.6	3465.2	3489.4	3493.7
17.5°	2452.4	2488.0	2567.6	2606.0	2633.1
20°	1644.4	1678.6	1726.9	1752.5	1731.2
22.5°	1000.0	1028.5	1054.1	1052.7	1045.5
25°	601.7	607.4	614.5	610.3	597.5
27.5°	351.4	367.0	388.3	374.1	352.8
30°	223.3	236.1	258.9	234.7	217.6
32.5°	118.1	149.4	173.5	140.8	123.8
35°	72.5	82.5	113.8	83.9	68.3
37.5°	44.1	51.2	71.1	49.8	39.8
40°	22.8	32.7	41.3	29.9	21.3
42.5°	7.1	15.6	22.8	14.2	7.1
45°	1.4	4.3	12.8	4.3	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)