

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: P1316556

Luminaire Tested: P3SQAS20R359827D010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316556
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: P3SQAS20R359827D010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

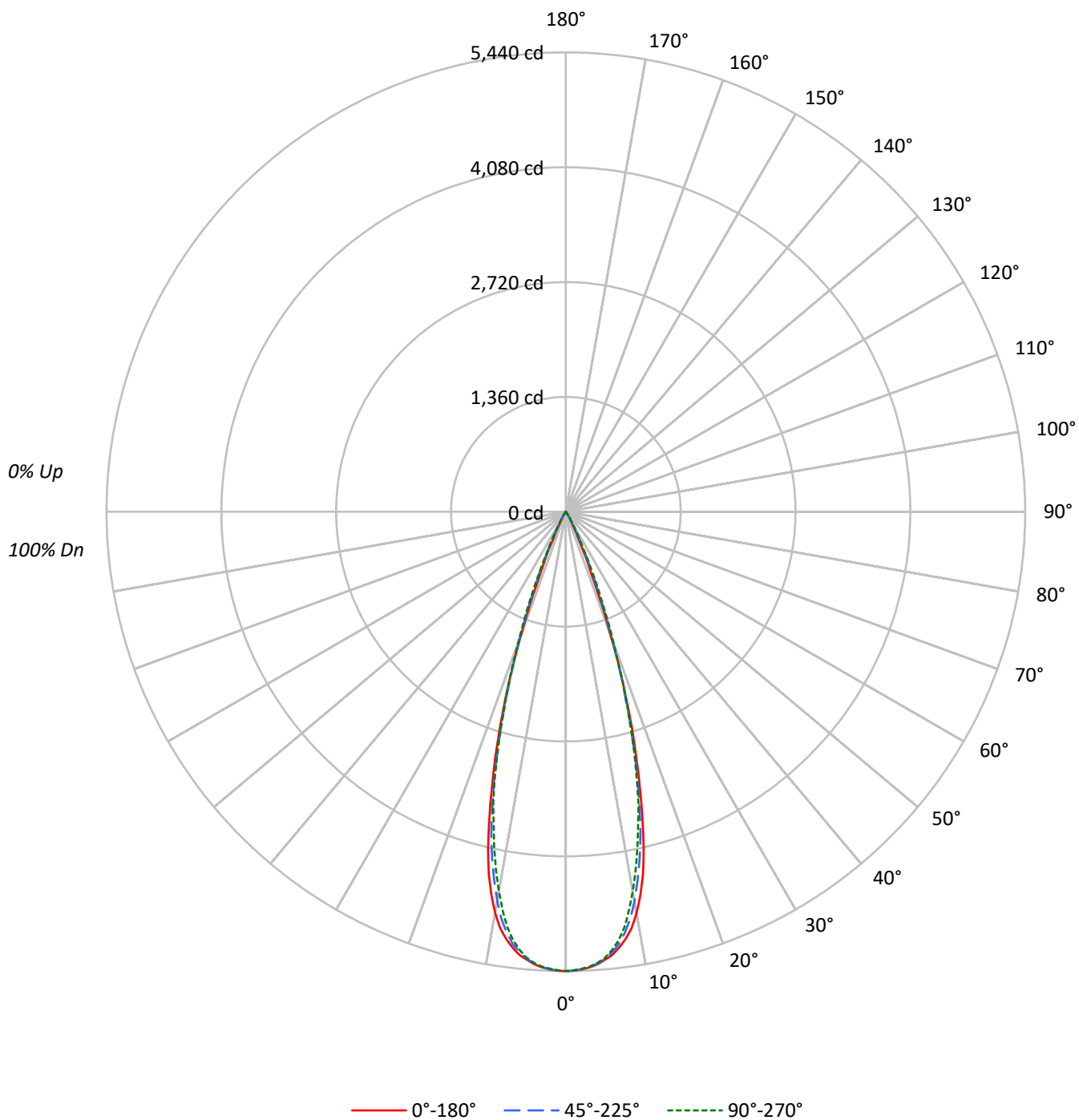
Lumens per Lamp: N/A
Luminaire Lumens: 1651.0 lumens
Efficiency: N/A
Efficacy: 60.3 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	103	101	103	101	99		100	98	97		97
3	108	103	100	97	106	102	99	96	99	97	94		97	95	93		95
4	104	99	95	92	103	98	94	92	96	93	91		94	92	90		93
5	101	95	91	88	100	95	91	88	93	90	87		92	89	87		90
6	98	92	88	85	97	91	88	85	90	87	84		89	86	84		88
7	96	89	85	82	94	89	85	82	87	84	81		86	83	81		85
8	93	86	82	79	92	86	82	79	85	81	79		84	81	79		83
9	90	84	80	77	89	83	79	77	82	79	76		82	79	76		81
10	88	81	77	75	87	81	77	74	80	77	74		80	76	74		79

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	936805	936805	936805
5°	920710	918739	916785
10°	843811	818453	798552
15°	604216	584942	577846
20°	280173	289832	299985
25°	66471	94576	98643
30°	19509	22333	25176
35°	4478	7169	6581
40°	967	1911	1281
45°	341	341	341
50°	375	0	375
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: 396 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	488.4	29.6
10°-20°	873.0	52.9
20°-30°	262.7	15.9
30°-40°	25.1	1.5
40°-50°	1.7	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°	1624.0	98.4
0°-40°	1649.2	99.9
0°-60°	1651.0	100.0
0°-90°	1651.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1651.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5440	5440	5440	5440	5440	
5°	5326	5324	5314	5307	5303	494
15°	3389	3363	3281	3266	3241	895
25°	350	385	498	519	519	225
35°	21	28	34	37	31	20
45°	1	1	1	1	1	2
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°	5439.5	5439.5	5439.5	5439.5	5439.5
1°	5436.6	5436.6	5433.8	5433.8	5428.1
2°	5423.8	5425.3	5419.6	5418.1	5413.9
3°	5403.9	5399.7	5399.7	5396.8	5394.0
4°	5372.6	5364.1	5361.3	5362.7	5357.0
5°	5325.7	5324.3	5314.3	5307.2	5303.0
6°	5274.5	5264.6	5243.2	5224.7	5220.5
7°	5197.7	5176.4	5157.9	5119.5	5113.8
8°	5103.9	5069.7	5029.9	4975.9	4973.0
9°	4988.7	4933.2	4877.8	4805.2	4779.6
10°	4825.1	4773.9	4680.1	4616.1	4566.3
11°	4621.8	4557.8	4448.3	4371.5	4330.2
12°	4391.4	4331.7	4203.7	4134.0	4075.7
13°	4095.6	4045.8	3926.4	3849.6	3804.1
14°	3752.9	3715.9	3602.1	3568.0	3552.4
15°	3388.8	3363.2	3280.7	3266.5	3240.9
17.5°	2494.3	2451.7	2404.7	2413.3	2421.8
20°	1528.7	1588.5	1581.4	1612.6	1636.8
22.5°	762.2	839.0	928.6	982.7	1009.7
25°	349.8	385.4	497.7	519.1	519.1
27.5°	176.3	184.9	234.6	238.9	250.3
30°	98.1	105.2	112.3	125.1	126.6
32.5°	49.8	58.3	61.1	68.3	65.4
35°	21.3	28.4	34.1	37.0	31.3
37.5°	10.0	12.8	18.5	17.1	12.8
40°	4.3	5.7	8.5	7.1	5.7
42.5°	2.8	2.8	4.3	2.8	2.8
45°	1.4	1.4	1.4	1.4	1.4
47.5°	1.4	1.4	0.0	1.4	1.4
50°	1.4	0.0	0.0	0.0	1.4
52.5°	1.4	0.0	0.0	0.0	1.4
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)