

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: P1316199

Luminaire Tested: P3SQAS13R159827DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316199
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R159827DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

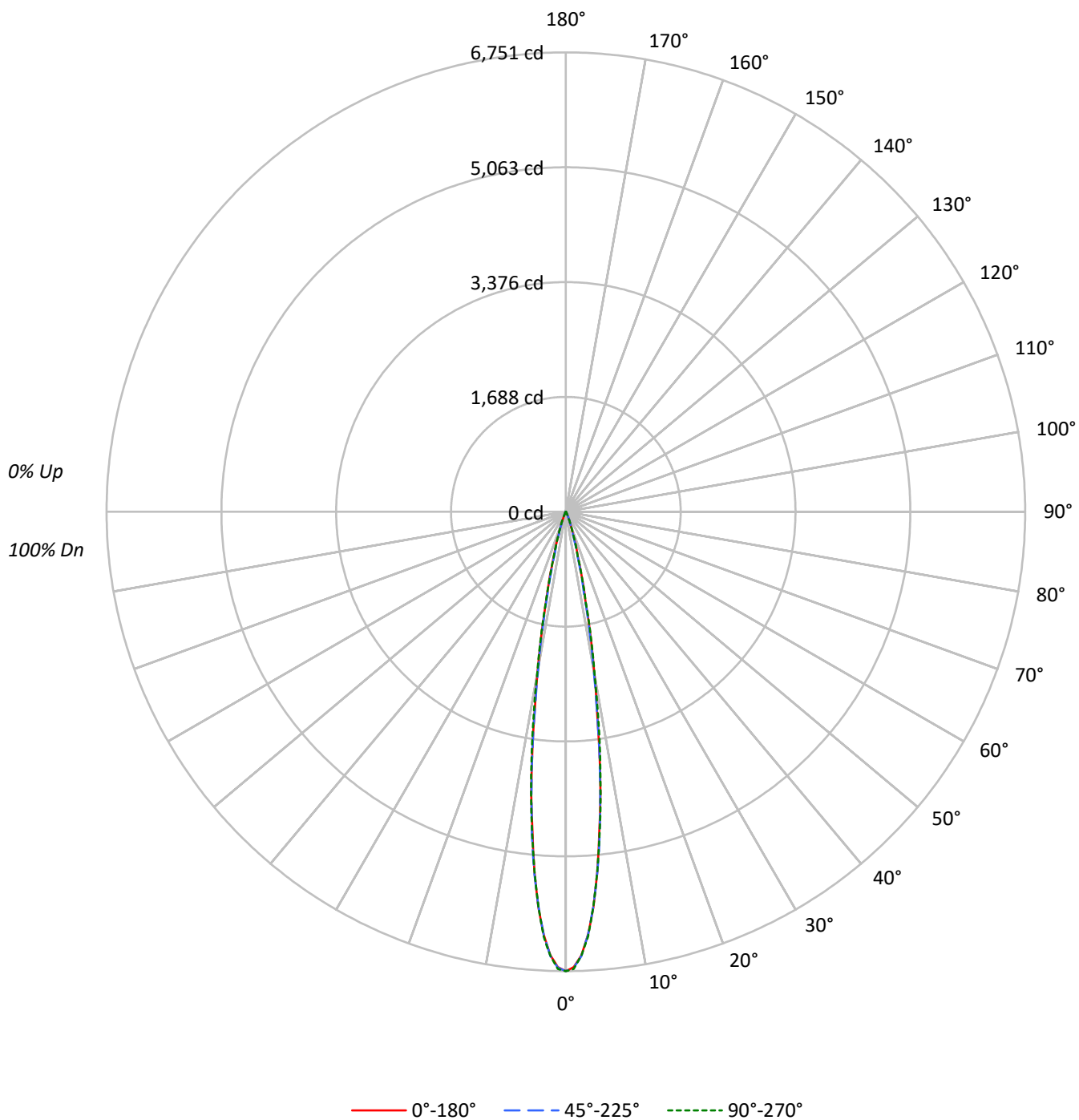
Lumens per Lamp: N/A
Luminaire Lumens: 676.0 lumens
Efficiency: N/A
Efficacy: 46.6 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106		104	104	103		101	100	100	98
2	113	110	107	105	111	108	106	104	105	103	102		102	101	100		100	99	98	97
3	110	107	104	101	109	105	103	100	103	101	99		101	99	97		99	97	96	95
4	108	104	100	98	106	103	100	98	101	98	96		99	97	95		97	96	94	93
5	106	101	98	95	104	100	97	95	99	96	94		97	95	94		96	94	93	92
6	104	99	96	93	103	98	95	93	97	94	92		96	94	92		95	93	91	91
7	102	97	94	91	101	96	93	91	95	93	91		94	92	90		94	92	90	89
8	100	95	92	90	99	95	92	90	94	91	89		93	91	89		92	90	89	88
9	98	93	90	88	98	93	90	88	92	90	88		92	89	88		91	89	87	87
10	97	92	89	87	96	92	89	87	91	88	87		90	88	86		90	88	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1162709	1162709	1162709
5°	917148	919603	916319
10°	419606	408606	428472
15°	124755	111383	122223
20°	37040	35940	38909
25°	10527	13625	12200
30°	3759	4037	3639
35°	1430	1282	1282
40°	607	315	450
45°	341	170	341
50°	188	0	188
55°	210	0	210
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: 47.5°

Luminance: 357 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	407.9	60.3
10°-20°	226.5	33.5
20°-30°	36.0	5.3
30°-40°	4.7	0.7
40°-50°	0.7	0.1
50°-60°	0.2	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°	670.4	99.2
0°-40°	675.1	99.9
0°-60°	676.0	100.0
0°-90°	676.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	676.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6751	6751	6751	6751	6751	
5°	5305	5350	5319	5297	5300	407
15°	700	691	625	664	686	231
25°	55	62	72	71	64	34
35°	7	7	6	7	6	5
45°	1	1	1	1	1	1
55°	1	0	0	0	1	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°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6751.2	6751.2	6751.2	6751.2	6751.2	6751.2	6751.2	6751.2	6751.2	6751.2	6751.2
1°	6693.0	6700.5	6709.9	6701.2	6693.0	6700.5	6690.3	6691.7	6683.6	6701.2	6720.8
2°	6522.7	6532.1	6526.7	6514.6	6533.5	6534.8	6513.9	6503.7	6502.4	6520.0	6526.7
3°	6221.2	6242.8	6243.5	6239.4	6233.3	6221.2	6199.5	6213.7	6194.1	6181.9	6250.9
4°	5820.2	5839.2	5861.5	5846.6	5802.0	5806.0	5820.2	5772.2	5774.9	5802.7	5804.7
5°	5305.1	5362.5	5365.3	5344.3	5309.1	5319.3	5309.1	5295.6	5300.3	5317.9	5300.3
6°	4698.7	4763.6	4715.6	4761.5	4751.4	4764.2	4767.6	4753.4	4763.6	4752.7	4749.4
7°	4174.7	4125.3	4132.1	4113.2	4133.5	4147.0	4155.1	4130.8	4150.4	4181.5	4190.3
8°	3525.0	3510.8	3496.6	3530.4	3520.9	3537.2	3547.3	3574.4	3573.0	3582.5	3613.6
9°	2906.4	2927.4	2940.2	2910.5	2936.2	2886.1	2903.7	2976.0	2957.1	2976.0	3031.5
10°	2399.4	2416.3	2397.3	2396.7	2369.6	2336.5	2334.5	2361.5	2418.3	2462.9	2450.1
12.5°	1323.7	1338.6	1340.6	1339.3	1290.6	1235.8	1246.0	1267.6	1302.8	1317.7	1342.0
15°	699.7	699.1	706.5	685.5	659.8	624.7	627.4	657.1	683.5	690.3	685.5
17.5°	359.0	360.3	365.8	360.3	333.3	336.7	344.1	347.5	363.0	369.1	365.8
20°	202.1	202.8	202.1	204.2	193.4	196.1	205.5	206.2	209.6	213.0	212.3
22.5°	115.6	116.3	120.3	119.0	116.3	119.7	121.7	125.1	126.4	125.1	129.1
25°	55.4	56.1	56.1	64.2	68.3	71.7	73.0	71.7	70.3	64.9	64.2
27.5°	31.8	31.8	33.1	33.8	35.2	41.2	40.6	33.8	28.4	28.4	29.1
30°	18.9	18.3	18.3	18.9	19.6	20.3	18.9	18.3	18.3	18.9	18.3
32.5°	11.5	11.5	11.5	10.8	10.8	10.1	10.1	11.5	11.5	11.5	11.5
35°	6.8	6.8	6.8	6.8	6.1	6.1	6.1	6.8	6.8	6.1	6.1
37.5°	4.1	4.1	4.1	3.4	3.4	2.7	3.4	3.4	3.4	3.4	3.4
40°	2.7	2.7	2.0	2.0	1.4	1.4	1.4	2.0	2.0	2.0	2.0
42.5°	2.0	2.0	1.4	1.4	0.7	0.7	0.7	1.4	1.4	1.4	1.4
45°	1.4	1.4	1.4	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4
47.5°	1.4	1.4	0.7	0.7	0.0	0.0	0.0	0.7	0.7	0.7	0.7
50°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
52.5°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)