

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: P1312578

Luminaire Tested: P3SQAS17R259727DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312578
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R259727DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

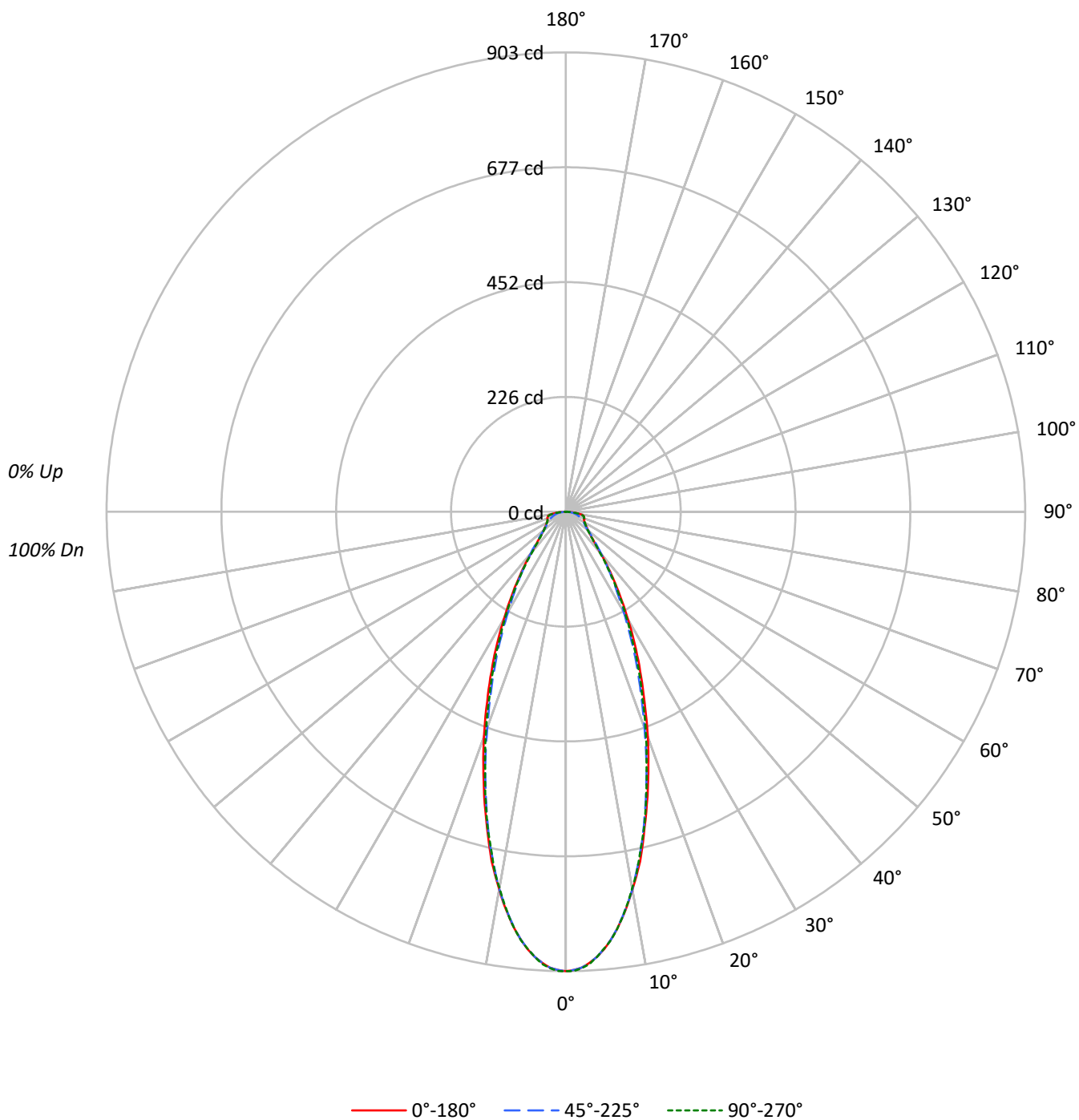
Lumens per Lamp: N/A
Luminaire Lumens: 682.0 lumens
Efficiency: N/A
Efficacy: 32.2 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	155517	155517	155517
5°	149213	149040	149040
10°	131912	131719	131352
15°	108940	107407	107977
20°	86304	82749	84142
25°	65730	62253	63887
30°	48424	45003	46932
35°	34669	33072	33534
40°	23741	24236	23022
45°	17585	18632	17317
50°	15299	15299	15004
55°	14563	13902	14563
60°	14846	13743	14846
65°	16260	14059	16260
70°	19538	14099	18984
75°	24354	15038	24354
80°	31043	16067	28861
85°	25491	14820	25491

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 31043 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.8	11.6
10°-20°	167.4	24.6
20°-30°	153.4	22.5
30°-40°	101.2	14.8
40°-50°	58.9	8.6
50°-60°	43.0	6.3
60°-70°	36.5	5.4
70°-80°	30.2	4.4
80°-90°	12.5	1.8
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°	399.7	58.6
0°-40°	500.9	73.4
0°-60°	602.8	88.4
0°-90°	682.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	682.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	903	903	903	903	903	
5°	863	862	862	863	862	79
15°	611	609	602	604	606	169
25°	346	336	328	329	336	159
35°	165	162	157	157	160	104
45°	72	74	76	72	71	58
55°	48	48	46	47	48	44
65°	40	37	34	37	40	40
75°	37	28	23	28	37	38
85°	13	14	8	14	13	15
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	903.0	903.0	903.0	903.0	903.0
1°	900.9	900.9	900.9	900.9	903.0
2°	896.6	895.5	896.6	896.6	897.6
3°	887.9	887.9	887.9	887.9	890.1
4°	877.2	877.2	877.2	877.2	877.2
5°	863.1	862.1	862.1	863.1	862.1
6°	845.9	845.9	845.9	845.9	847.0
7°	826.5	825.4	825.4	824.4	826.5
8°	803.9	803.9	802.8	801.7	803.9
9°	780.2	781.3	779.1	778.0	778.0
10°	754.3	753.2	753.2	753.2	751.1
11°	728.4	725.2	724.1	724.1	726.3
12°	702.6	697.2	695.0	695.0	695.0
13°	671.3	669.2	665.9	663.8	664.9
14°	640.1	640.1	634.7	634.7	636.9
15°	611.0	608.8	602.4	604.5	605.6
17.5°	538.8	534.5	526.9	526.9	528.0
20°	470.9	463.4	451.5	456.9	459.1
22.5°	404.1	396.6	384.7	390.1	392.2
25°	345.9	336.2	327.6	328.7	336.2
27.5°	293.1	282.3	273.7	276.9	281.3
30°	243.5	237.1	226.3	231.7	236.0
32.5°	201.5	196.1	188.6	191.8	196.1
35°	164.9	161.6	157.3	157.3	159.5
37.5°	133.6	132.5	130.4	129.3	128.2
40°	105.6	107.8	107.8	105.6	102.4
42.5°	86.2	88.4	90.5	86.2	83.0
45°	72.2	74.4	76.5	72.2	71.1
47.5°	63.6	64.7	65.7	63.6	62.5
50°	57.1	57.1	57.1	56.0	56.0
52.5°	52.8	51.7	50.6	51.7	51.7
55°	48.5	48.5	46.3	47.4	48.5
57.5°	45.3	44.2	43.1	44.2	45.3
60°	43.1	40.9	39.9	40.9	43.1
62.5°	40.9	38.8	36.6	38.8	40.9
65°	39.9	36.6	34.5	36.6	39.9
67.5°	38.8	34.5	31.3	34.5	38.8
70°	38.8	32.3	28.0	32.3	37.7
72.5°	37.7	30.2	25.9	30.2	37.7
75°	36.6	28.0	22.6	28.0	36.6
77.5°	35.6	25.9	19.4	25.9	34.5
80°	31.3	23.7	16.2	23.7	29.1
82.5°	22.6	19.4	12.9	19.4	21.6
85°	12.9	14.0	7.5	14.0	12.9
87.5°	2.2	3.2	2.2	5.4	4.3



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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)