

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: P1310249

Luminaire Tested: P3SQAS13R309040DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310249
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R309040DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

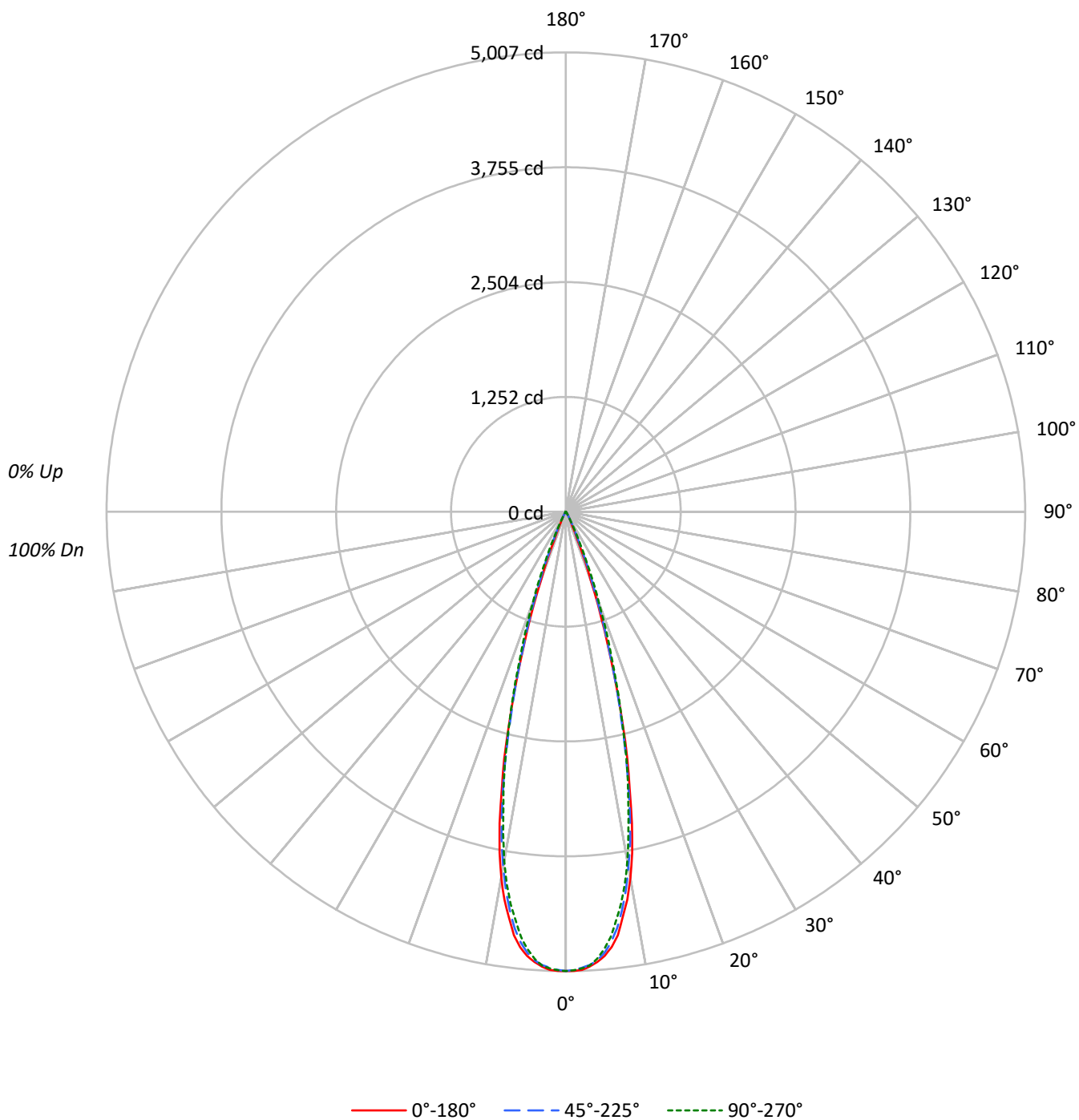
Lumens per Lamp: N/A
Luminaire Lumens: 1213.0 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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

TEST NUMBER: P1310249

CATALOG NUMBER: P3SQAS13R309040DE010 E3SQPH1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1310249

CATALOG NUMBER: P3SQAS13R309040DE010 E3SQPH1MW

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	110	113	111	109	108	107	106	105		103	103	102		100
2	112	108	105	103	110	107	104	102	104	101	100		101	99	98		98
3	108	104	101	98	107	103	100	97	100	98	96		98	96	94		96
4	105	100	97	94	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	93	90	95	91	89		93	90	88		92
6	100	94	90	87	99	93	90	87	92	89	86		91	88	86		90
7	97	91	87	84	96	91	87	84	90	86	84		88	86	83		88
8	95	89	85	82	94	88	84	82	87	84	82		86	83	81		86
9	92	86	82	80	92	86	82	80	85	82	79		84	81	79		84
10	90	84	80	78	90	84	80	78	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	862164	862164	862164
5°	839957	834183	827302
10°	708856	687101	675944
15°	427184	415238	422887
20°	144898	167331	193007
25°	26623	41730	49293
30°	9148	10182	11435
35°	2628	3301	3511
40°	697	1169	944
45°	244	244	244
50°	268	0	268
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: 283 cd/sqm

TEST NUMBER: P1310249

CATALOG NUMBER: P3SQAS13R309040DE010 E3SQPH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.9	35.7
10°-20°	632.7	52.2
20°-30°	133.9	11.0
30°-40°	12.3	1.0
40°-50°	1.2	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°	1199.4	98.9
0°-40°	1211.7	99.9
0°-60°	1213.0	100.0
0°-90°	1213.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1213.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5006	5006	5006	5006	5006	
5°	4859	4849	4825	4810	4785	439
15°	2396	2388	2329	2383	2372	632
25°	140	157	220	258	259	102
35°	12	16	16	19	17	10
45°	1	1	1	1	1	1
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	0

TEST NUMBER: P1310249

CATALOG NUMBER: P3SQAS13R309040DE010 E3SQPH1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5006.1	5006.1	5006.1	5006.1	5006.1
1°	5007.1	5001.9	4994.6	5005.1	4997.7
2°	4996.7	4984.1	4973.7	4984.1	4981.0
3°	4965.3	4954.9	4947.5	4952.8	4952.8
4°	4918.3	4906.8	4900.5	4901.5	4885.8
5°	4858.6	4849.2	4825.2	4810.5	4785.4
6°	4770.8	4747.8	4718.5	4694.5	4662.0
7°	4651.6	4616.0	4574.2	4532.4	4491.6
8°	4460.2	4443.5	4387.0	4358.8	4318.0
9°	4280.3	4239.6	4178.9	4132.9	4110.9
10°	4053.4	3992.7	3929.0	3892.4	3865.2
11°	3784.6	3722.9	3671.7	3618.4	3576.5
12°	3468.8	3416.5	3358.0	3322.4	3273.3
13°	3094.4	3087.1	3021.2	3009.7	3003.5
14°	2773.4	2744.1	2679.3	2697.0	2701.2
15°	2395.9	2387.5	2328.9	2383.3	2371.8
17.5°	1500.7	1503.8	1540.4	1626.2	1653.4
20°	790.6	814.7	913.0	1016.5	1053.1
22.5°	320.0	373.3	473.7	543.8	590.9
25°	140.1	156.9	219.6	258.3	259.4
27.5°	79.5	80.5	105.6	109.8	111.9
30°	46.0	47.1	51.2	54.4	57.5
32.5°	25.1	27.2	28.2	32.4	32.4
35°	12.5	15.7	15.7	18.8	16.7
37.5°	7.3	8.4	9.4	9.4	8.4
40°	3.1	4.2	5.2	5.2	4.2
42.5°	1.0	2.1	2.1	2.1	3.1
45°	1.0	1.0	1.0	1.0	1.0
47.5°	1.0	1.0	0.0	1.0	1.0
50°	1.0	0.0	0.0	0.0	1.0
52.5°	1.0	0.0	0.0	0.0	1.0
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



TEST NUMBER: P1310249

CATALOG NUMBER: P3SQAS13R309040DE010 E3SQPH1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)