

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: P1312461

Luminaire Tested: P3SQAS13R359727DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312461
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: P3SQAS13R359727DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

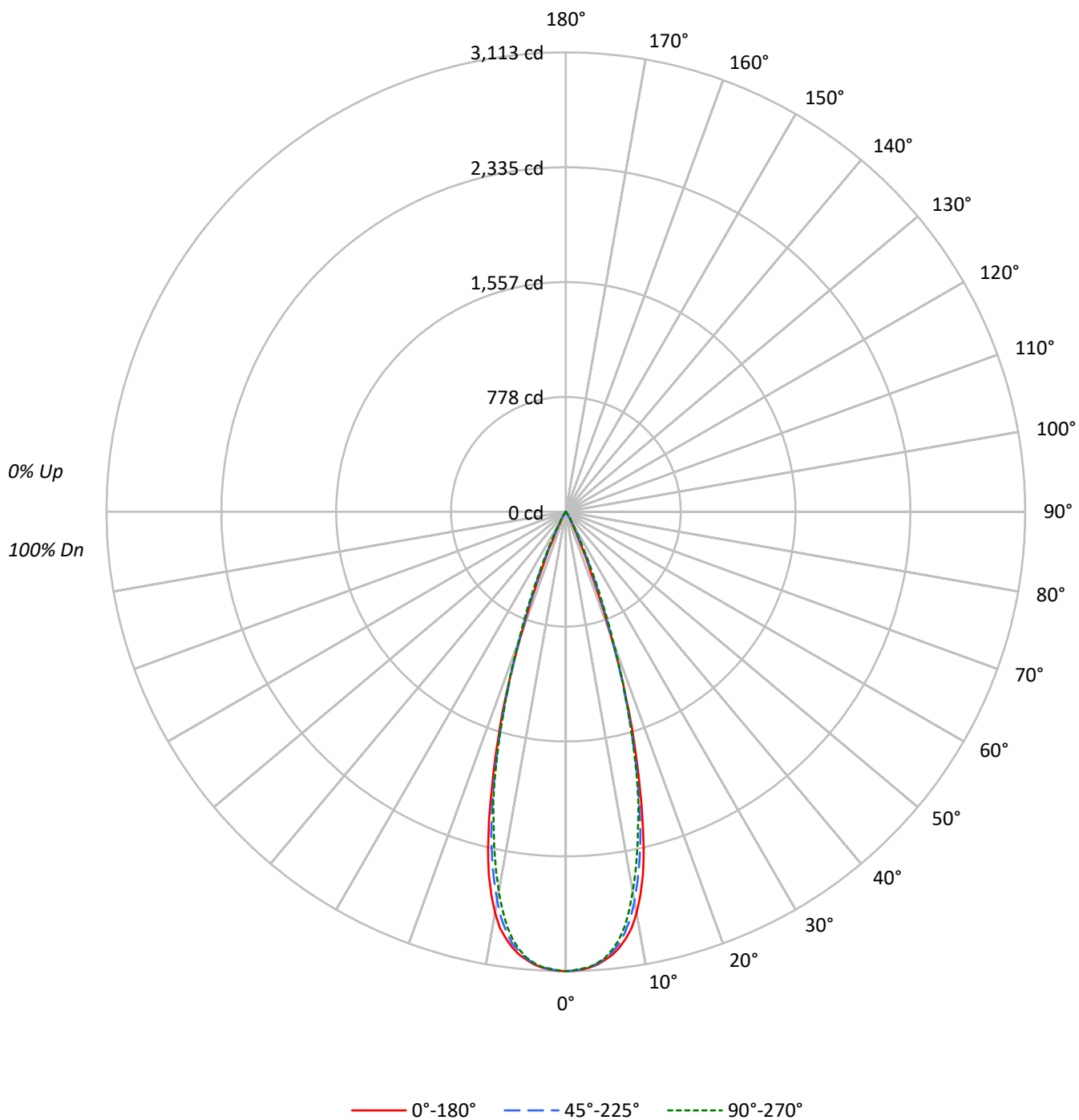
Lumens per Lamp: N/A
Luminaire Lumens: 945.0 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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°	536198	536198	536198
5°	526992	525868	524744
10°	482982	468467	457082
15°	345845	334808	330743
20°	160366	165883	171711
25°	38043	54139	56457
30°	11176	12787	14398
35°	2565	4100	3763
40°	540	1102	742
45°	195	195	195
50°	214	0	214
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: 226 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.5	29.6
10°-20°	499.7	52.9
20°-30°	150.3	15.9
30°-40°	14.4	1.5
40°-50°	1.0	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°	929.6	98.4
0°-40°	943.9	99.9
0°-60°	945.0	100.0
0°-90°	945.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	945.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3113	3113	3113	3113	3113	
5°	3048	3048	3042	3038	3035	283
15°	1940	1925	1878	1870	1855	512
25°	200	221	285	297	297	129
35°	12	16	20	21	18	11
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3113.4	3113.4	3113.4	3113.4	3113.4
1°	3111.8	3111.8	3110.2	3110.2	3106.9
2°	3104.5	3105.3	3102.1	3101.2	3098.8
3°	3093.1	3090.7	3090.7	3089.0	3087.4
4°	3075.2	3070.3	3068.7	3069.5	3066.2
5°	3048.3	3047.5	3041.8	3037.7	3035.3
6°	3019.0	3013.3	3001.1	2990.5	2988.1
7°	2975.1	2962.9	2952.3	2930.3	2927.0
8°	2921.4	2901.8	2879.0	2848.1	2846.5
9°	2855.4	2823.7	2791.9	2750.4	2735.8
10°	2761.8	2732.5	2678.8	2642.2	2613.7
11°	2645.4	2608.8	2546.1	2502.2	2478.5
12°	2513.5	2479.4	2406.1	2366.2	2332.8
13°	2344.2	2315.8	2247.4	2203.4	2177.4
14°	2148.1	2126.9	2061.8	2042.3	2033.3
15°	1939.7	1925.0	1877.8	1869.7	1855.0
17.5°	1427.7	1403.3	1376.4	1381.3	1386.2
20°	875.0	909.2	905.1	923.0	936.9
22.5°	436.3	480.2	531.5	562.5	577.9
25°	200.2	220.6	284.9	297.1	297.1
27.5°	100.9	105.8	134.3	136.7	143.3
30°	56.2	60.2	64.3	71.6	72.4
32.5°	28.5	33.4	35.0	39.1	37.4
35°	12.2	16.3	19.5	21.2	17.9
37.5°	5.7	7.3	10.6	9.8	7.3
40°	2.4	3.3	4.9	4.1	3.3
42.5°	1.6	1.6	2.4	1.6	1.6
45°	0.8	0.8	0.8	0.8	0.8
47.5°	0.8	0.8	0.0	0.8	0.8
50°	0.8	0.0	0.0	0.0	0.8
52.5°	0.8	0.0	0.0	0.0	0.8
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)