

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: P1316227

Luminaire Tested: P3SQAS13R259827DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R259827DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

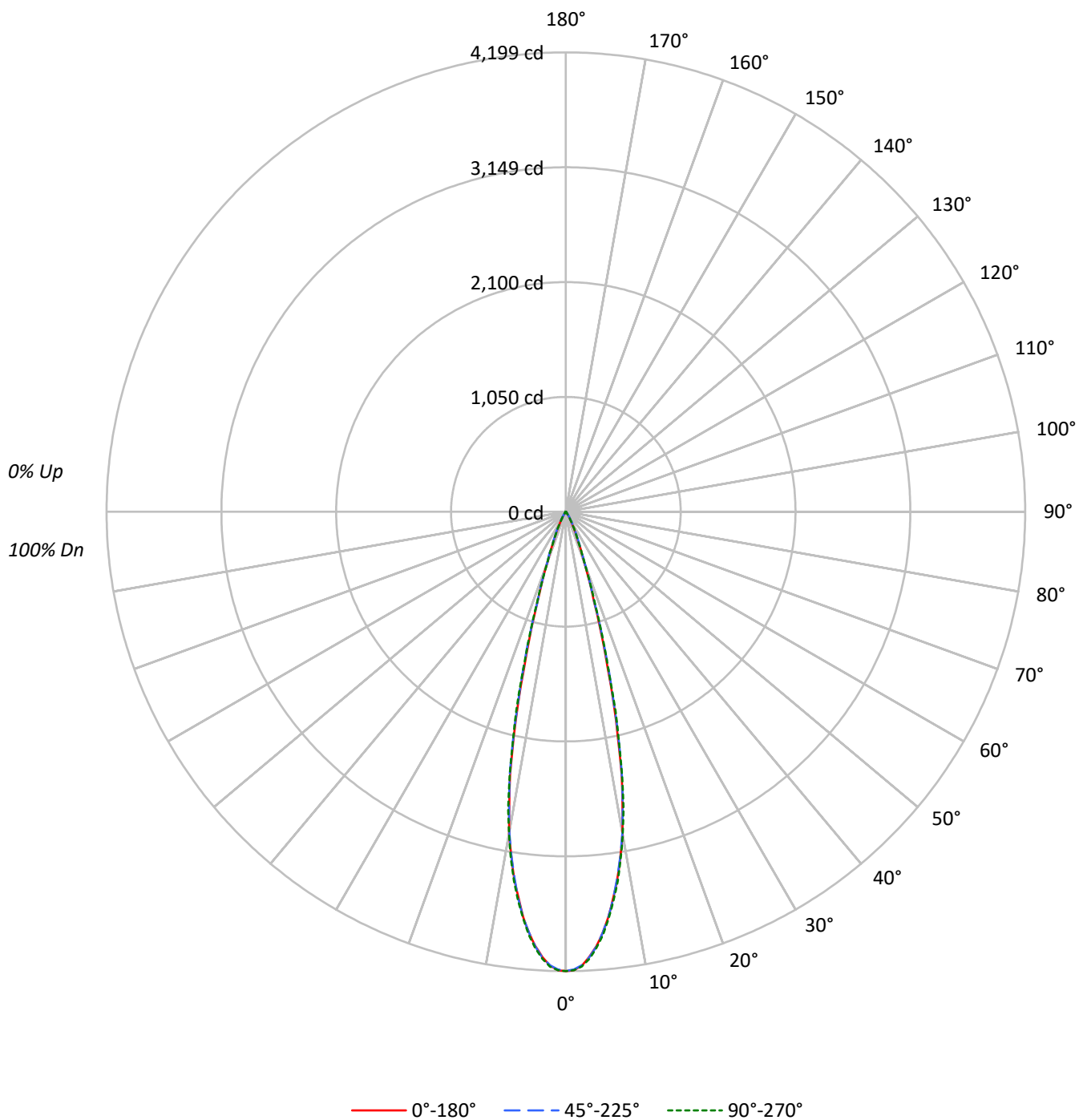
Lumens per Lamp: N/A
Luminaire Lumens: 887.1 lumens
Efficiency: N/A
Efficacy: 61.2 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	723111	723111	723111
5°	667924	667682	671416
10°	521735	520319	523869
15°	262472	273438	273206
20°	89805	92279	90795
25°	36086	40590	37625
30°	14656	17480	14239
35°	4268	7674	4268
40°	1978	3350	1978
45°	658	1315	658
50°	375	536	375
55°	420	420	420
60°	482	482	482
65°	285	285	285
70°	352	352	352
75°	466	466	466
80°	0	694	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1315 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.6	38.4
10°-20°	416.9	47.0
20°-30°	101.9	11.5
30°-40°	21.1	2.4
40°-50°	3.7	0.4
50°-60°	1.3	0.1
60°-70°	1.0	0.1
70°-80°	0.7	0.1
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°	859.4	96.9
0°-40°	880.5	99.3
0°-60°	885.4	99.8
0°-90°	887.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	887.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4199	4199	4199	4199	4199	
5°	3864	3867	3862	3870	3884	340
15°	1472	1497	1534	1540	1532	411
25°	190	199	214	201	198	97
35°	20	28	36	28	20	17
45°	3	4	5	4	3	3
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
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°	4198.7	4198.7	4198.7	4198.7	4198.7
1°	4190.6	4185.2	4183.8	4184.5	4191.3
2°	4152.7	4149.4	4148.7	4150.7	4160.2
3°	4075.7	4079.8	4081.1	4087.9	4092.6
4°	3981.1	3989.2	3985.8	3993.9	3999.3
5°	3863.5	3866.8	3862.1	3870.2	3883.7
6°	3726.3	3714.1	3725.6	3729.0	3738.4
7°	3555.3	3558.0	3562.0	3566.1	3580.3
8°	3387.0	3378.8	3376.8	3395.7	3407.2
9°	3190.3	3191.6	3184.2	3205.8	3209.2
10°	2983.4	2966.5	2975.3	2992.2	2995.6
11°	2710.4	2705.6	2718.5	2744.8	2765.8
12°	2454.2	2456.9	2470.4	2479.2	2474.5
13°	2115.6	2135.9	2152.8	2161.5	2150.0
14°	1809.4	1809.4	1831.0	1834.4	1875.6
15°	1472.1	1497.1	1533.6	1540.4	1532.3
17.5°	850.3	853.7	871.2	870.6	883.4
20°	490.0	494.8	503.5	501.5	495.4
22.5°	294.7	304.8	325.8	308.9	304.2
25°	189.9	198.7	213.6	201.4	198.0
27.5°	119.0	125.0	136.5	125.7	120.3
30°	73.7	77.1	87.9	77.7	71.6
32.5°	39.9	48.7	57.5	48.7	39.9
35°	20.3	28.4	36.5	27.7	20.3
37.5°	13.5	16.2	23.7	15.5	13.5
40°	8.8	10.8	14.9	10.8	8.8
42.5°	4.7	6.8	8.1	7.4	4.7
45°	2.7	4.1	5.4	4.1	2.7
47.5°	2.0	2.0	3.4	2.0	1.4
50°	1.4	1.4	2.0	1.4	1.4
52.5°	1.4	1.4	1.4	1.4	1.4
55°	1.4	1.4	1.4	1.4	1.4
57.5°	1.4	1.4	1.4	1.4	1.4
60°	1.4	1.4	1.4	1.4	1.4
62.5°	1.4	1.4	1.4	1.4	1.4
65°	0.7	1.4	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.0	0.0	0.7	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)