

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: P1313431

Luminaire Tested: P3SQAS13R359730DE010 E3SQPH1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313431
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: P3SQAS13R359730DE010 E3SQPH1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3SQPH1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

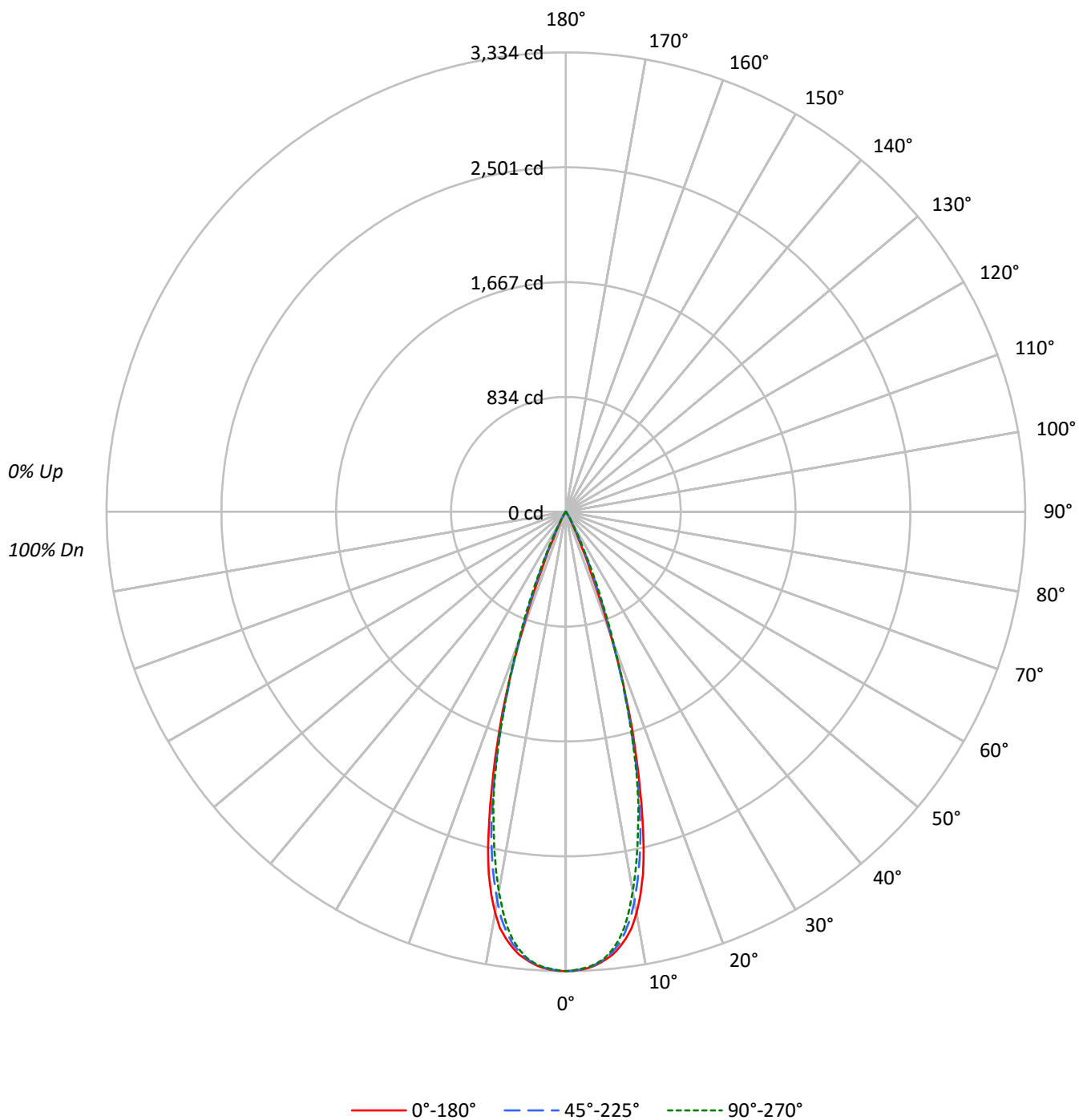
Lumens per Lamp: N/A
Luminaire Lumens: 1012.0 lumens
Efficiency: N/A
Efficacy: 69.3 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93	92	91
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90	89	87
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87	85	82
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	83	81
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82	80	77
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	79	77	75
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	76	74	73
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	74	72	70
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	72	70	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	574225	574225	574225
5°	564368	563158	561948
10°	517223	501677	489488
15°	370361	358557	354207
20°	171747	177649	183880
25°	40742	57977	60466
30°	11952	13702	15432
35°	2754	4394	4037
40°	585	1169	787
45°	219	219	219
50°	241	0	241
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: 255 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.3	29.6
10°-20°	535.1	52.9
20°-30°	161.0	15.9
30°-40°	15.4	1.5
40°-50°	1.1	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°	995.5	98.4
0°-40°	1010.9	99.9
0°-60°	1012.0	100.0
0°-90°	1012.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1012.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3334	3334	3334	3334	3334	
5°	3264	3264	3258	3253	3250	303
15°	2077	2062	2011	2002	1987	549
25°	214	236	305	318	318	138
35°	13	17	21	23	19	12
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°	3334.2	3334.2	3334.2	3334.2	3334.2
1°	3332.4	3332.4	3330.7	3330.7	3327.2
2°	3324.6	3325.5	3322.0	3321.1	3318.5
3°	3312.4	3309.8	3309.8	3308.0	3306.3
4°	3293.2	3288.0	3286.2	3287.1	3283.6
5°	3264.5	3263.6	3257.5	3253.1	3250.5
6°	3233.1	3227.0	3213.9	3202.6	3200.0
7°	3186.0	3172.9	3161.6	3138.1	3134.6
8°	3128.5	3107.6	3083.1	3050.0	3048.3
9°	3057.9	3023.9	2989.9	2945.4	2929.7
10°	2957.6	2926.2	2868.7	2829.5	2799.0
11°	2833.0	2793.7	2726.6	2679.6	2654.3
12°	2691.8	2655.1	2576.7	2534.0	2498.2
13°	2510.4	2479.9	2406.7	2359.6	2331.8
14°	2300.4	2277.7	2208.0	2187.1	2177.5
15°	2077.2	2061.5	2011.0	2002.3	1986.6
17.5°	1528.9	1502.8	1474.0	1479.2	1484.5
20°	937.1	973.7	969.3	988.5	1003.3
22.5°	467.2	514.3	569.2	602.3	618.9
25°	214.4	236.2	305.1	318.2	318.2
27.5°	108.1	113.3	143.8	146.4	153.4
30°	60.1	64.5	68.9	76.7	77.6
32.5°	30.5	35.7	37.5	41.8	40.1
35°	13.1	17.4	20.9	22.7	19.2
37.5°	6.1	7.8	11.3	10.5	7.8
40°	2.6	3.5	5.2	4.4	3.5
42.5°	1.7	1.7	2.6	1.7	1.7
45°	0.9	0.9	0.9	0.9	0.9
47.5°	0.9	0.9	0.0	0.9	0.9
50°	0.9	0.0	0.0	0.0	0.9
52.5°	0.9	0.0	0.0	0.0	0.9
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)