

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: P1309148

Luminaire Tested: P3SQAS13R359035DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309148
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: P3SQAS13R359035DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

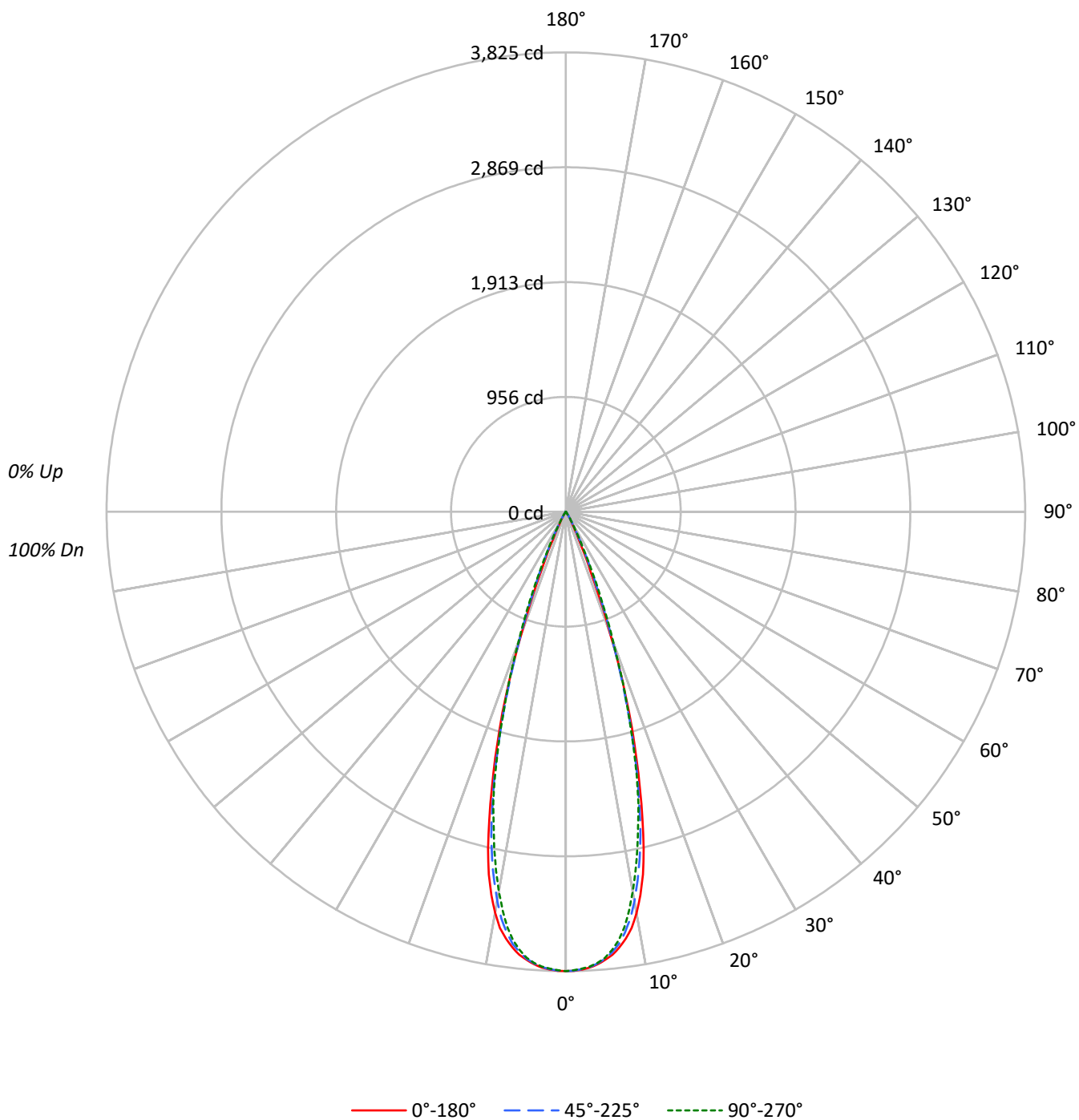
Lumens per Lamp: N/A
Luminaire Lumens: 1161.0 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	94	93	92
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	91	90	89
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	88	87	86
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	84	83
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82	81	80
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	80	79	78
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	77	76	75
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	75	74	73
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	73	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	658769	658769	658769
5°	647455	646072	644689
10°	593383	575546	561555
15°	424902	411351	406359
20°	197021	203802	210950
25°	46747	66509	69360
30°	13722	15710	17699
35°	3154	5046	4625
40°	674	1349	899
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

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.4	29.6
10°-20°	613.9	52.9
20°-30°	184.7	15.9
30°-40°	17.7	1.5
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°	1142.0	98.4
0°-40°	1159.7	99.9
0°-60°	1161.0	100.0
0°-90°	1161.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1161.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3825	3825	3825	3825	3825	
5°	3745	3744	3737	3732	3729	347
15°	2383	2365	2307	2297	2279	629
25°	246	271	350	365	365	158
35°	15	20	24	26	22	14
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°	3825.1	3825.1	3825.1	3825.1	3825.1
1°	3823.1	3823.1	3821.1	3821.1	3817.1
2°	3814.1	3815.1	3811.1	3810.1	3807.1
3°	3800.1	3797.1	3797.1	3795.1	3793.1
4°	3778.1	3772.1	3770.1	3771.1	3767.1
5°	3745.1	3744.1	3737.1	3732.1	3729.1
6°	3709.1	3702.1	3687.1	3674.1	3671.1
7°	3655.1	3640.1	3627.1	3600.1	3596.1
8°	3589.1	3565.1	3537.1	3499.1	3497.1
9°	3508.1	3469.1	3430.1	3379.1	3361.1
10°	3393.1	3357.1	3291.1	3246.1	3211.1
11°	3250.1	3205.1	3128.1	3074.1	3045.1
12°	3088.1	3046.1	2956.1	2907.1	2866.1
13°	2880.1	2845.1	2761.1	2707.1	2675.1
14°	2639.1	2613.1	2533.1	2509.1	2498.1
15°	2383.1	2365.1	2307.1	2297.1	2279.1
17.5°	1754.0	1724.0	1691.0	1697.0	1703.0
20°	1075.0	1117.0	1112.0	1134.0	1151.0
22.5°	536.0	590.0	653.0	691.0	710.0
25°	246.0	271.0	350.0	365.0	365.0
27.5°	124.0	130.0	165.0	168.0	176.0
30°	69.0	74.0	79.0	88.0	89.0
32.5°	35.0	41.0	43.0	48.0	46.0
35°	15.0	20.0	24.0	26.0	22.0
37.5°	7.0	9.0	13.0	12.0	9.0
40°	3.0	4.0	6.0	5.0	4.0
42.5°	2.0	2.0	3.0	2.0	2.0
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



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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)