

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: P1306912

Luminaire Tested: P3SQAS13R359027DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306912
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: P3SQAS13R359027DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

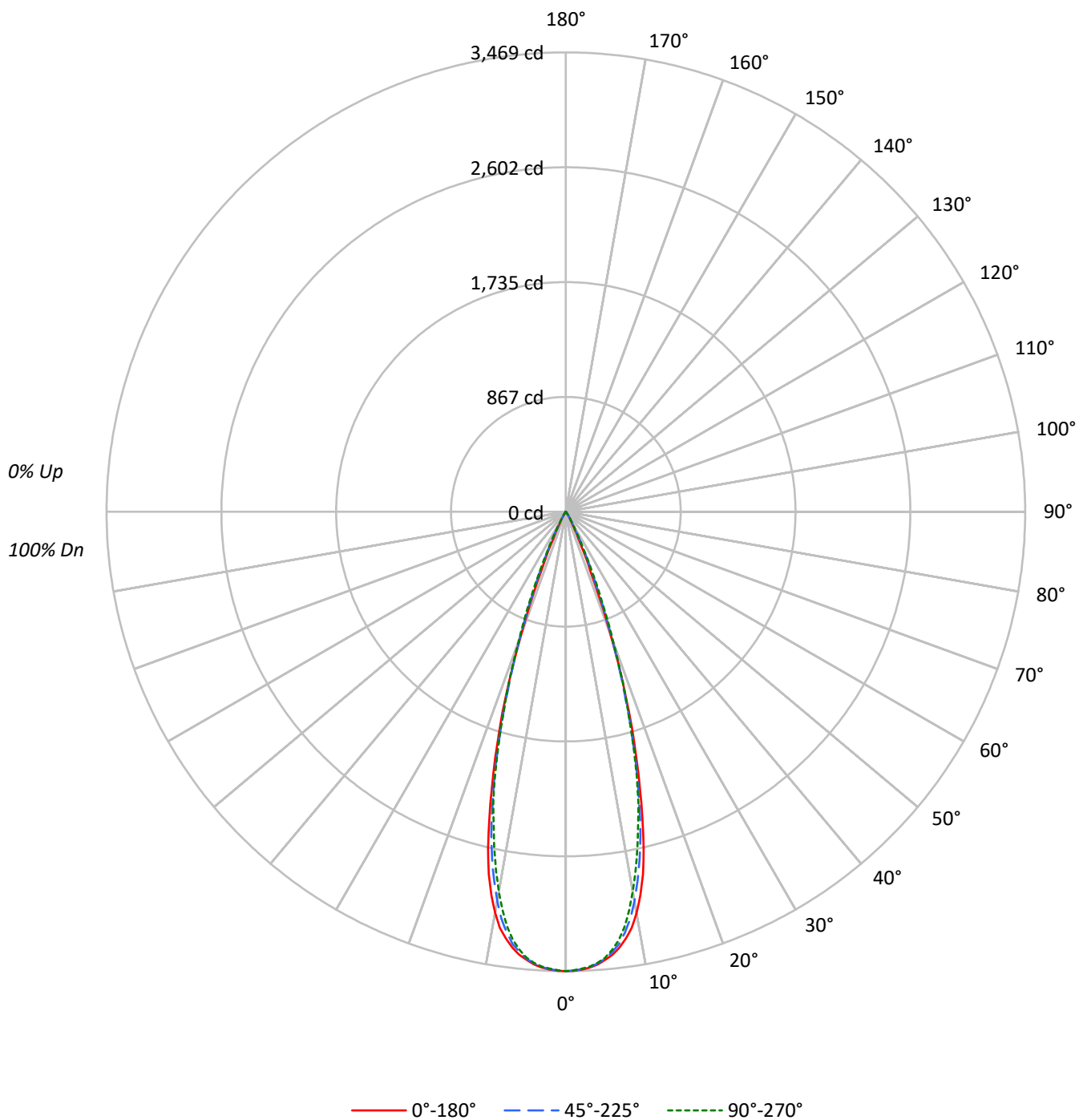
Lumens per Lamp: N/A
Luminaire Lumens: 1053.0 lumens
Efficiency: N/A
Efficacy: 72.1 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	597492	597492	597492
5°	587223	585978	584716
10°	538174	521998	509319
15°	385373	373071	368560
20°	178694	184852	191340
25°	42395	60314	62918
30°	12449	14259	16048
35°	2859	4583	4205
40°	607	1214	809
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°	311.5	29.6
10°-20°	556.8	52.9
20°-30°	167.5	15.9
30°-40°	16.0	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°	1035.8	98.4
0°-40°	1051.8	99.9
0°-60°	1053.0	100.0
0°-90°	1053.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1053.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3469	3469	3469	3469	3469	
5°	3397	3396	3390	3385	3382	315
15°	2161	2145	2092	2083	2067	571
25°	223	246	317	331	331	144
35°	14	18	22	24	20	13
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°	3469.3	3469.3	3469.3	3469.3	3469.3
1°	3467.5	3467.5	3465.6	3465.6	3462.0
2°	3459.3	3460.2	3456.6	3455.7	3452.9
3°	3446.6	3443.9	3443.9	3442.1	3440.2
4°	3426.6	3421.2	3419.4	3420.3	3416.7
5°	3396.7	3395.8	3389.5	3384.9	3382.2
6°	3364.1	3357.7	3344.1	3332.3	3329.6
7°	3315.1	3301.5	3289.7	3265.2	3261.6
8°	3255.2	3233.5	3208.1	3173.6	3171.8
9°	3181.8	3146.4	3111.0	3064.7	3048.4
10°	3077.4	3044.8	2984.9	2944.1	2912.4
11°	2947.7	2906.9	2837.1	2788.1	2761.8
12°	2800.8	2762.7	2681.1	2636.6	2599.5
13°	2612.2	2580.4	2504.2	2455.2	2426.2
14°	2393.6	2370.0	2297.4	2275.7	2265.7
15°	2161.4	2145.1	2092.4	2083.4	2067.1
17.5°	1590.9	1563.7	1533.7	1539.2	1544.6
20°	975.0	1013.1	1008.6	1028.5	1044.0
22.5°	486.2	535.1	592.3	626.7	644.0
25°	223.1	245.8	317.4	331.1	331.1
27.5°	112.5	117.9	149.7	152.4	159.6
30°	62.6	67.1	71.7	79.8	80.7
32.5°	31.7	37.2	39.0	43.5	41.7
35°	13.6	18.1	21.8	23.6	20.0
37.5°	6.3	8.2	11.8	10.9	8.2
40°	2.7	3.6	5.4	4.5	3.6
42.5°	1.8	1.8	2.7	1.8	1.8
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)