

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: P1308001

Luminaire Tested: P3SQAS13R259030DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308001
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R259030DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

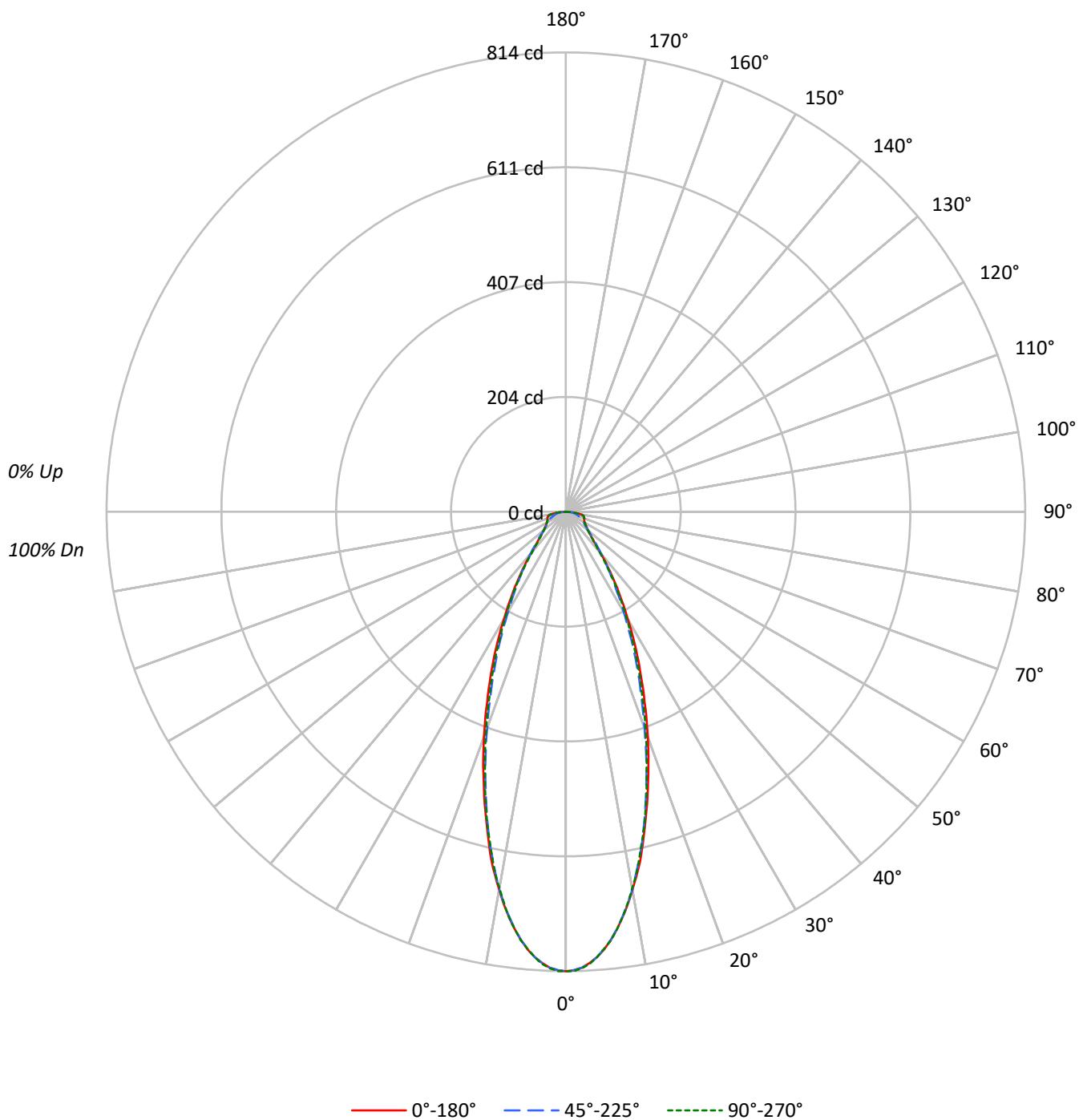
Lumens per Lamp: N/A
Luminaire Lumens: 615.0 lumens
Efficiency: N/A
Efficacy: 42.1 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	140241	140241	140241
5°	134570	134397	134397
10°	118953	118778	118446
15°	98242	96851	97369
20°	77819	74630	75876
25°	59269	56134	57616
30°	43671	40588	42319
35°	31263	29834	30233
40°	21403	21853	20751
45°	15856	16806	15612
50°	13798	13798	13531
55°	13121	12551	13121
60°	13399	12400	13399
65°	14670	12674	14670
70°	17624	12740	17121
75°	21959	13575	21959
80°	27968	14480	25985
85°	23120	13437	23120

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 27968 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.1	11.6
10°-20°	151.0	24.6
20°-30°	138.4	22.5
30°-40°	91.3	14.8
40°-50°	53.1	8.6
50°-60°	38.8	6.3
60°-70°	32.9	5.4
70°-80°	27.3	4.4
80°-90°	11.2	1.8
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°	360.4	58.6
0°-40°	451.7	73.4
0°-60°	543.6	88.4
0°-90°	615.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	615.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	814	814	814	814	814	
5°	778	777	777	778	777	71
15°	551	549	543	545	546	153
25°	312	303	295	296	303	143
35°	149	146	142	142	144	94
45°	65	67	69	65	64	52
55°	44	44	42	43	44	40
65°	36	33	31	33	36	36
75°	33	25	20	25	33	35
85°	12	13	7	13	12	13
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	814.3	814.3	814.3	814.3	814.3
1°	812.4	812.4	812.4	812.4	814.3
2°	808.5	807.5	808.5	808.5	809.4
3°	800.7	800.7	800.7	800.7	802.6
4°	791.0	791.0	791.0	791.0	791.0
5°	778.4	777.4	777.4	778.4	777.4
6°	762.8	762.8	762.8	762.8	763.8
7°	745.3	744.3	744.3	743.4	745.3
8°	724.9	724.9	723.9	723.0	724.9
9°	703.5	704.5	702.6	701.6	701.6
10°	680.2	679.2	679.2	679.2	677.3
11°	656.9	654.0	653.0	653.0	654.9
12°	633.6	628.7	626.8	626.8	626.8
13°	605.4	603.4	600.5	598.6	599.6
14°	577.2	577.2	572.3	572.3	574.3
15°	551.0	549.0	543.2	545.1	546.1
17.5°	485.9	482.0	475.2	475.2	476.1
20°	424.6	417.8	407.2	412.0	414.0
22.5°	364.4	357.6	346.9	351.8	353.7
25°	311.9	303.2	295.4	296.4	303.2
27.5°	264.3	254.6	246.8	249.7	253.6
30°	219.6	213.8	204.1	208.9	212.8
32.5°	181.7	176.9	170.1	173.0	176.9
35°	148.7	145.8	141.9	141.9	143.8
37.5°	120.5	119.5	117.6	116.6	115.6
40°	95.2	97.2	97.2	95.2	92.3
42.5°	77.7	79.7	81.6	77.7	74.8
45°	65.1	67.0	69.0	65.1	64.1
47.5°	57.3	58.3	59.3	57.3	56.4
50°	51.5	51.5	51.5	50.5	50.5
52.5°	47.6	46.6	45.7	46.6	46.6
55°	43.7	43.7	41.8	42.8	43.7
57.5°	40.8	39.8	38.9	39.8	40.8
60°	38.9	36.9	36.0	36.9	38.9
62.5°	36.9	35.0	33.0	35.0	36.9
65°	36.0	33.0	31.1	33.0	36.0
67.5°	35.0	31.1	28.2	31.1	35.0
70°	35.0	29.2	25.3	29.2	34.0
72.5°	34.0	27.2	23.3	27.2	34.0
75°	33.0	25.3	20.4	25.3	33.0
77.5°	32.1	23.3	17.5	23.3	31.1
80°	28.2	21.4	14.6	21.4	26.2
82.5°	20.4	17.5	11.7	17.5	19.4
85°	11.7	12.6	6.8	12.6	11.7
87.5°	1.9	2.9	1.9	4.9	3.9



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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)