

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: P1315348

Luminaire Tested: P3SQAS13R259740DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315348
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: P3SQAS13R259740DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

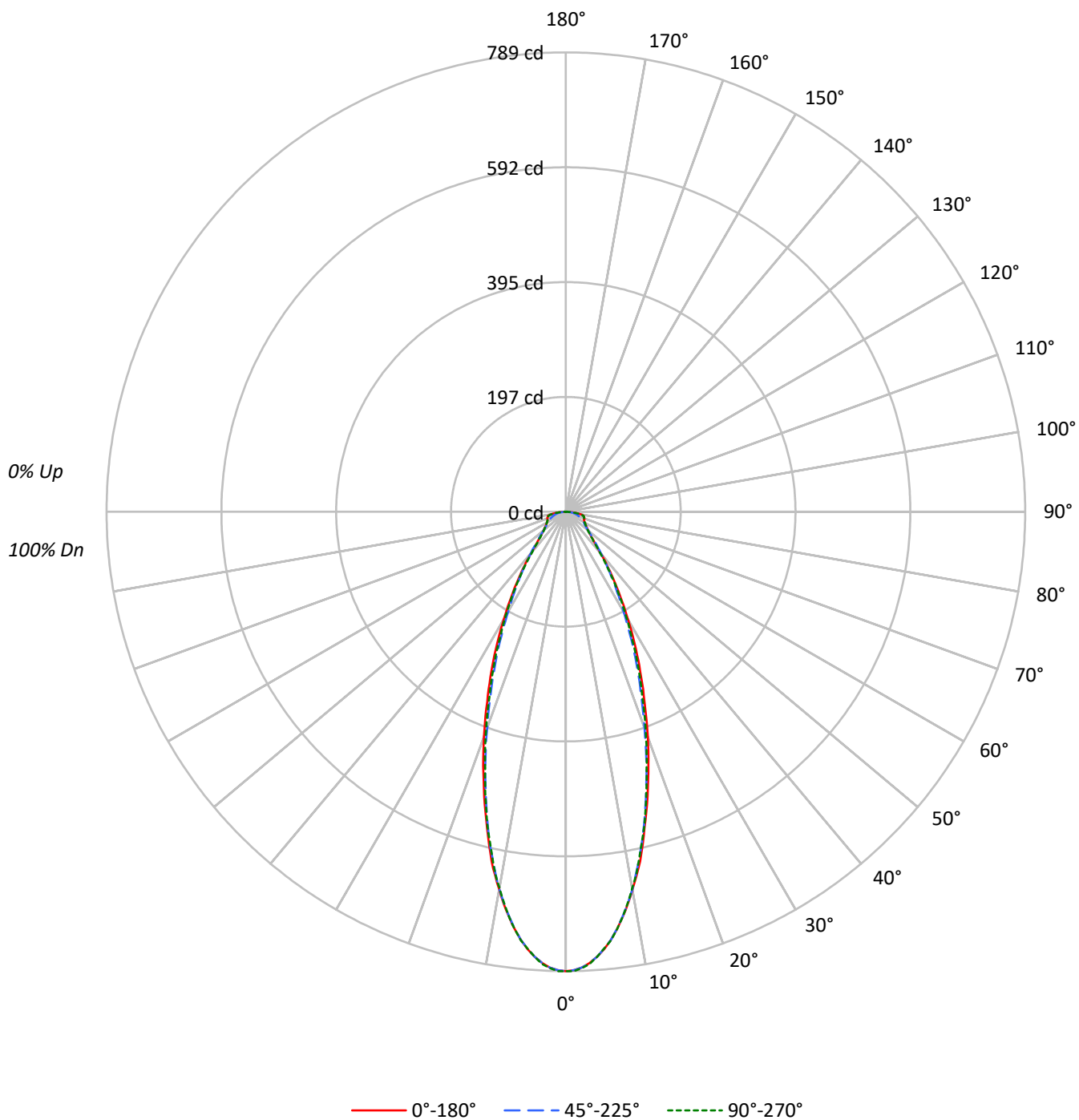
Lumens per Lamp: N/A
Luminaire Lumens: 596.0 lumens
Efficiency: N/A
Efficacy: 40.8 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	135901	135901	135901
5°	130404	130248	130248
10°	115281	115123	114791
15°	95193	93856	94355
20°	75418	72321	73530
25°	57445	54405	55830
30°	42319	39336	41006
35°	30296	28909	29308
40°	20751	21178	20121
45°	15369	16294	15149
50°	13370	13370	13129
55°	12731	12161	12731
60°	12986	11987	12986
65°	14181	12266	14181
70°	17070	12337	16617
75°	21293	13175	21293
80°	27076	13984	25191
85°	22329	13042	22329

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 27076 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.9	11.6
10°-20°	146.3	24.6
20°-30°	134.1	22.5
30°-40°	88.4	14.8
40°-50°	51.5	8.6
50°-60°	37.6	6.3
60°-70°	31.9	5.4
70°-80°	26.4	4.4
80°-90°	10.9	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°	349.3	58.6
0°-40°	437.7	73.4
0°-60°	526.8	88.4
0°-90°	596.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	596.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	789	789	789	789	789	
5°	754	753	753	754	753	69
15°	534	532	526	528	529	148
25°	302	294	286	287	294	139
35°	144	141	138	138	139	91
45°	63	65	67	63	62	51
55°	42	42	40	41	42	38
65°	35	32	30	32	35	35
75°	32	24	20	24	32	33
85°	11	12	7	12	11	13
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	789.1	789.1	789.1	789.1	789.1
1°	787.3	787.3	787.3	787.3	789.1
2°	783.5	782.6	783.5	783.5	784.4
3°	776.0	776.0	776.0	776.0	777.8
4°	766.5	766.5	766.5	766.5	766.5
5°	754.3	753.4	753.4	754.3	753.4
6°	739.2	739.2	739.2	739.2	740.2
7°	722.3	721.3	721.3	720.4	722.3
8°	702.5	702.5	701.6	700.6	702.5
9°	681.8	682.7	680.9	679.9	679.9
10°	659.2	658.3	658.3	658.3	656.4
11°	636.6	633.8	632.8	632.8	634.7
12°	614.0	609.3	607.4	607.4	607.4
13°	586.7	584.8	582.0	580.1	581.0
14°	559.4	559.4	554.7	554.7	556.5
15°	533.9	532.1	526.4	528.3	529.2
17.5°	470.9	467.1	460.5	460.5	461.4
20°	411.5	404.9	394.6	399.3	401.2
22.5°	353.1	346.5	336.2	340.9	342.8
25°	302.3	293.8	286.3	287.2	293.8
27.5°	256.1	246.7	239.2	242.0	245.8
30°	212.8	207.2	197.8	202.5	206.2
32.5°	176.1	171.4	164.8	167.6	171.4
35°	144.1	141.3	137.5	137.5	139.4
37.5°	116.8	115.8	113.9	113.0	112.1
40°	92.3	94.2	94.2	92.3	89.5
42.5°	75.3	77.2	79.1	75.3	72.5
45°	63.1	65.0	66.9	63.1	62.2
47.5°	55.6	56.5	57.4	55.6	54.6
50°	49.9	49.9	49.9	49.0	49.0
52.5°	46.1	45.2	44.3	45.2	45.2
55°	42.4	42.4	40.5	41.4	42.4
57.5°	39.6	38.6	37.7	38.6	39.6
60°	37.7	35.8	34.8	35.8	37.7
62.5°	35.8	33.9	32.0	33.9	35.8
65°	34.8	32.0	30.1	32.0	34.8
67.5°	33.9	30.1	27.3	30.1	33.9
70°	33.9	28.3	24.5	28.3	33.0
72.5°	33.0	26.4	22.6	26.4	33.0
75°	32.0	24.5	19.8	24.5	32.0
77.5°	31.1	22.6	17.0	22.6	30.1
80°	27.3	20.7	14.1	20.7	25.4
82.5°	19.8	17.0	11.3	17.0	18.8
85°	11.3	12.2	6.6	12.2	11.3
87.5°	1.9	2.8	1.9	4.7	3.8



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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)