

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: P1317128

Luminaire Tested: P3SQAS13R309830DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317128
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R309830DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

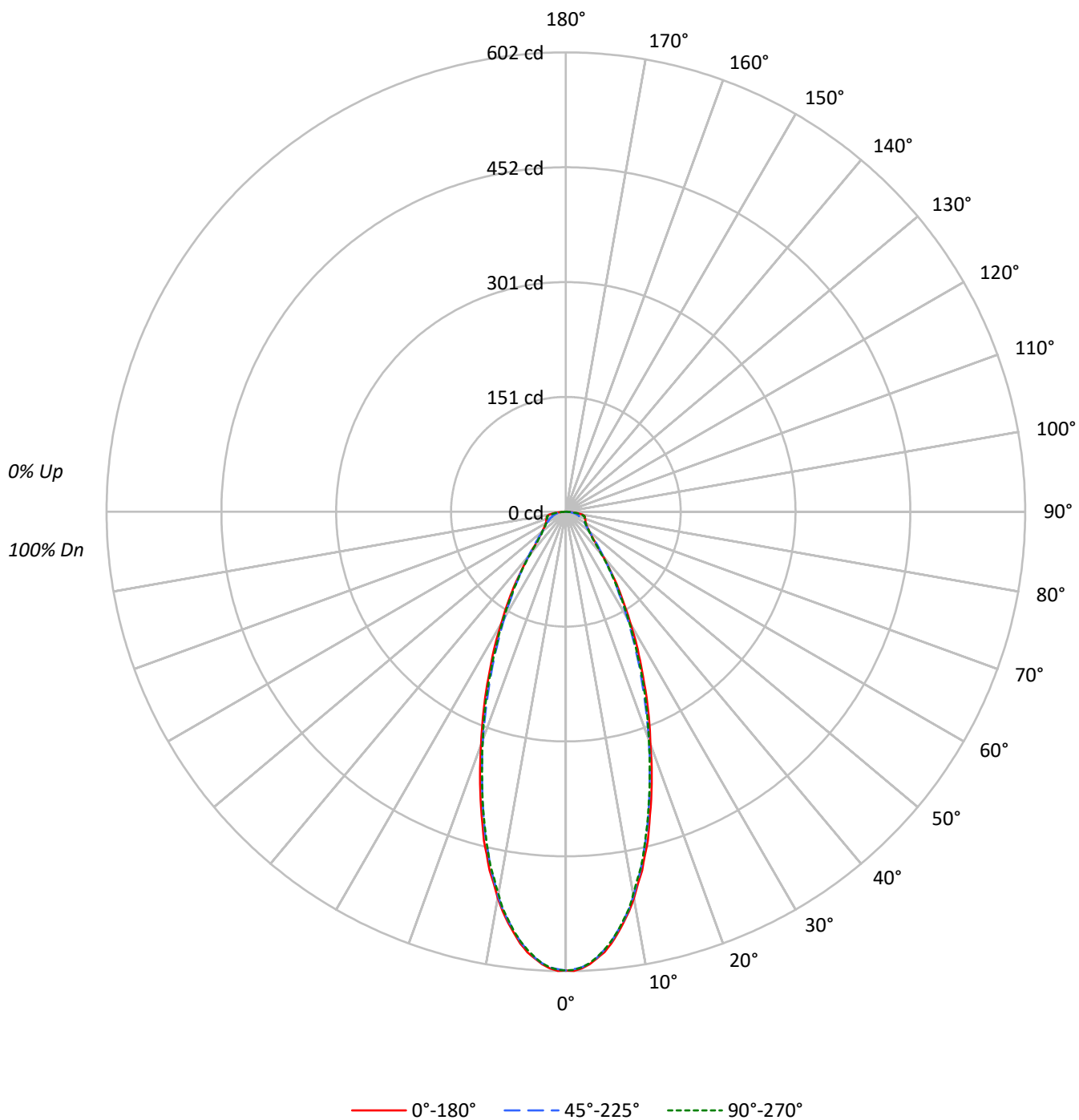
Lumens per Lamp: N/A
Luminaire Lumens: 474.0 lumens
Efficiency: N/A
Efficacy: 32.7 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	59		67	62	58		66
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	103523	103523	103523
5°	100150	99648	99648
10°	89888	89381	88996
15°	75331	74172	74029
20°	59473	58282	58282
25°	45530	43725	44561
30°	33787	32057	32773
35°	24430	23358	23505
40°	16817	17131	16322
45°	12543	13079	12032
50°	10905	10690	10690
55°	10239	9819	10029
60°	10506	9748	10264
65°	11533	9780	11247
70°	13545	9869	13143
75°	17367	10647	16902
80°	21621	11505	20133
85°	17191	11461	15808

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 21621 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.0	11.2
10°-20°	115.3	24.3
20°-30°	107.4	22.7
30°-40°	71.3	15.0
40°-50°	41.5	8.8
50°-60°	30.2	6.4
60°-70°	25.5	5.4
70°-80°	21.1	4.5
80°-90°	8.8	1.9
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°	275.6	58.1
0°-40°	346.9	73.2
0°-60°	418.6	88.3
0°-90°	474.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	474.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	601	601	601	601	601	
5°	579	579	576	576	576	53
15°	422	418	416	415	415	117
25°	240	235	230	231	234	110
35°	116	114	111	112	112	73
45°	52	52	54	51	49	41
55°	34	33	33	33	33	31
65°	28	25	24	25	28	28
75°	26	20	16	20	25	27
85°	9	10	6	9	8	10
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	601.1	601.1	601.1	601.1	601.1
1°	601.8	601.1	599.6	600.4	600.4
2°	598.9	598.2	597.5	597.5	597.5
3°	593.8	593.1	592.4	592.4	592.4
4°	586.6	585.8	585.8	585.1	585.1
5°	579.3	578.6	576.4	576.4	576.4
6°	569.1	568.4	567.0	566.2	566.2
7°	556.8	556.8	554.6	553.9	554.6
8°	543.7	543.0	541.6	540.8	540.8
9°	529.9	527.8	527.8	525.6	527.0
10°	514.0	512.5	511.1	509.6	508.9
11°	495.8	495.1	492.9	491.5	490.7
12°	480.6	476.9	475.5	473.3	474.8
13°	461.0	458.8	455.2	454.4	455.2
14°	444.3	439.9	437.0	435.6	434.8
15°	422.5	418.1	416.0	415.2	415.2
17.5°	373.9	371.0	365.1	365.1	365.1
20°	324.5	321.6	318.0	317.2	318.0
22.5°	281.7	276.6	270.8	271.5	275.9
25°	239.6	235.2	230.1	230.9	234.5
27.5°	204.0	198.2	193.1	194.6	196.7
30°	169.9	166.2	161.2	162.6	164.8
32.5°	140.8	138.7	132.8	134.3	136.5
35°	116.2	114.0	111.1	111.8	111.8
37.5°	92.9	92.9	92.2	91.5	90.7
40°	74.8	76.2	76.2	74.0	72.6
42.5°	61.0	62.4	63.9	61.0	58.8
45°	51.5	52.3	53.7	50.8	49.4
47.5°	45.0	45.0	46.5	44.3	43.6
50°	40.7	40.7	39.9	39.2	39.9
52.5°	37.0	36.3	35.6	36.3	36.3
55°	34.1	33.4	32.7	33.4	33.4
57.5°	31.9	31.2	30.5	30.5	31.2
60°	30.5	29.0	28.3	29.0	29.8
62.5°	29.0	26.9	26.1	26.9	28.3
65°	28.3	25.4	24.0	25.4	27.6
67.5°	27.6	24.0	21.8	24.0	26.9
70°	26.9	22.5	19.6	22.5	26.1
72.5°	26.1	21.1	18.1	21.1	26.1
75°	26.1	19.6	16.0	19.6	25.4
77.5°	24.7	18.1	13.8	18.1	24.0
80°	21.8	16.7	11.6	16.0	20.3
82.5°	16.0	14.5	8.7	13.8	15.2
85°	8.7	10.2	5.8	9.4	8.0
87.5°	1.5	2.2	1.5	4.4	2.9



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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)