

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: P1308018

Luminaire Tested: P3SQAS13R309030DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308018
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: P3SQAS13R309030DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

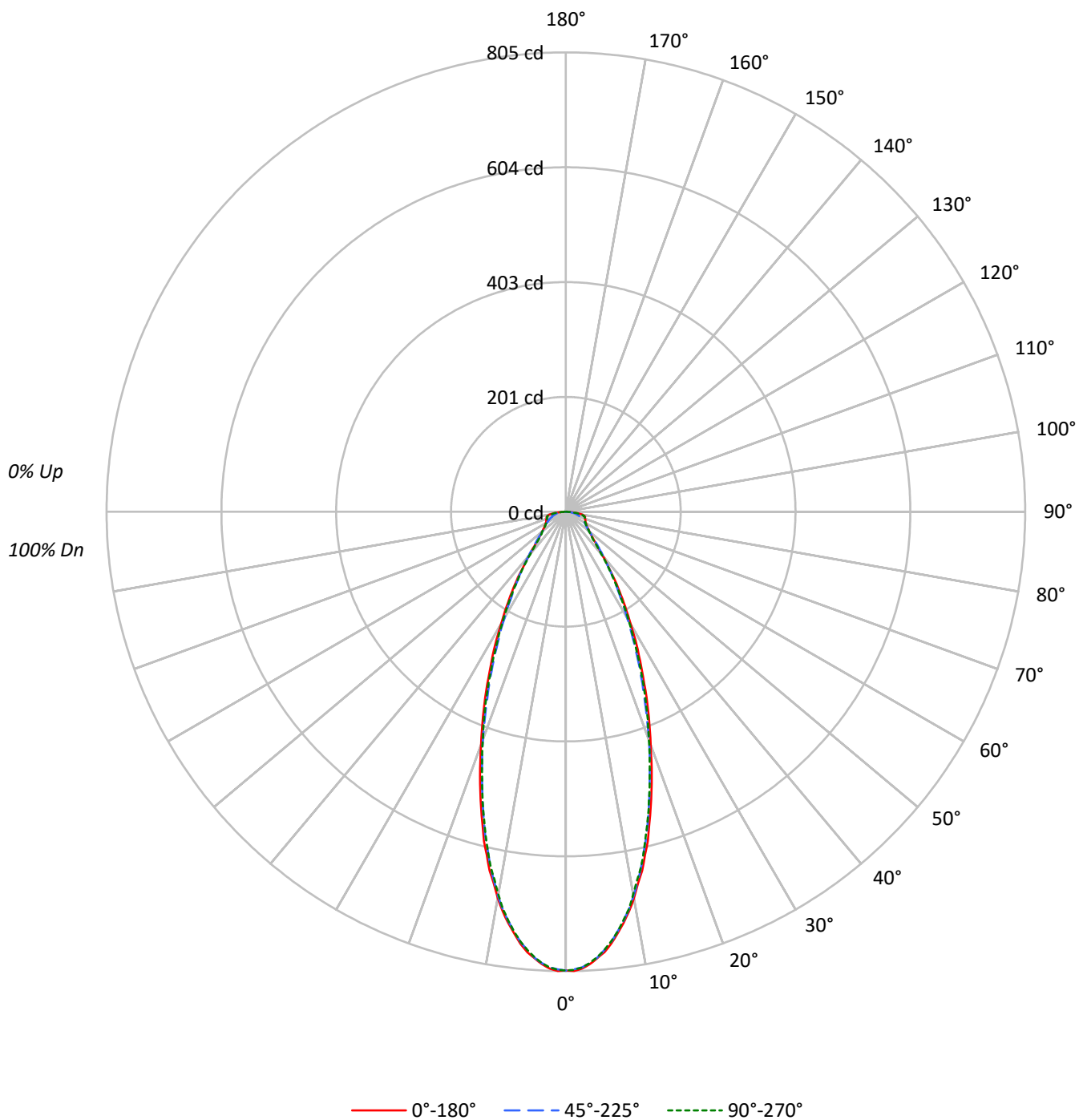
Lumens per Lamp: N/A
Luminaire Lumens: 634.0 lumens
Efficiency: N/A
Efficacy: 43.4 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	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°	138467	138467	138467
5°	133948	133291	133291
10°	120230	119548	119040
15°	100756	99205	99027
20°	79542	77947	77947
25°	60885	58490	59592
30°	45182	42875	43830
35°	32672	31242	31432
40°	22482	22932	21830
45°	16781	17512	16075
50°	14575	14308	14308
55°	13692	13121	13422
60°	14053	13054	13709
65°	15445	13040	15037
70°	18077	13193	17624
75°	23290	14240	22624
80°	28861	15373	26977
85°	23120	15413	21144

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 28861 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.9	11.2
10°-20°	154.2	24.3
20°-30°	143.6	22.7
30°-40°	95.3	15.0
40°-50°	55.5	8.8
50°-60°	40.4	6.4
60°-70°	34.1	5.4
70°-80°	28.3	4.5
80°-90°	11.7	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°	368.7	58.2
0°-40°	464.0	73.2
0°-60°	559.8	88.3
0°-90°	634.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	634.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	804	804	804	804	804	
5°	775	774	771	771	771	71
15°	565	559	556	555	555	156
25°	320	315	308	309	314	148
35°	155	152	149	150	150	98
45°	69	70	72	68	66	55
55°	46	45	44	45	45	41
65°	38	34	32	34	37	38
75°	35	26	21	26	34	36
85°	12	14	8	13	11	13
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	804.0	804.0	804.0	804.0	804.0
1°	804.9	804.0	802.0	803.0	803.0
2°	801.1	800.1	799.1	799.1	799.1
3°	794.3	793.3	792.3	792.3	792.3
4°	784.6	783.6	783.6	782.6	782.6
5°	774.8	773.9	771.0	771.0	771.0
6°	761.3	760.3	758.3	757.4	757.4
7°	744.7	744.7	741.8	740.9	741.8
8°	727.3	726.3	724.4	723.4	723.4
9°	708.8	705.9	705.9	703.0	704.9
10°	687.5	685.5	683.6	681.6	680.7
11°	663.2	662.2	659.3	657.4	656.4
12°	642.8	637.9	636.0	633.1	635.0
13°	616.6	613.7	608.8	607.8	608.8
14°	594.2	588.4	584.5	582.6	581.6
15°	565.1	559.3	556.4	555.4	555.4
17.5°	500.1	496.2	488.4	488.4	488.4
20°	434.0	430.1	425.3	424.3	425.3
22.5°	376.7	369.9	362.2	363.1	369.0
25°	320.4	314.6	307.8	308.8	313.6
27.5°	272.8	265.1	258.3	260.2	263.1
30°	227.2	222.4	215.6	217.5	220.4
32.5°	188.4	185.5	177.7	179.6	182.5
35°	155.4	152.4	148.6	149.5	149.5
37.5°	124.3	124.3	123.3	122.3	121.4
40°	100.0	102.0	102.0	99.0	97.1
42.5°	81.6	83.5	85.4	81.6	78.7
45°	68.9	69.9	71.9	68.0	66.0
47.5°	60.2	60.2	62.1	59.2	58.3
50°	54.4	54.4	53.4	52.4	53.4
52.5°	49.5	48.5	47.6	48.5	48.5
55°	45.6	44.7	43.7	44.7	44.7
57.5°	42.7	41.8	40.8	40.8	41.8
60°	40.8	38.8	37.9	38.8	39.8
62.5°	38.8	35.9	35.0	35.9	37.9
65°	37.9	34.0	32.0	34.0	36.9
67.5°	36.9	32.0	29.1	32.0	35.9
70°	35.9	30.1	26.2	30.1	35.0
72.5°	35.0	28.2	24.3	28.2	35.0
75°	35.0	26.2	21.4	26.2	34.0
77.5°	33.0	24.3	18.4	24.3	32.0
80°	29.1	22.3	15.5	21.4	27.2
82.5°	21.4	19.4	11.7	18.4	20.4
85°	11.7	13.6	7.8	12.6	10.7
87.5°	1.9	2.9	1.9	5.8	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)