

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: P1314539

Luminaire Tested: P3SQAS17R309735DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314539
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: P3SQAS17R309735DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

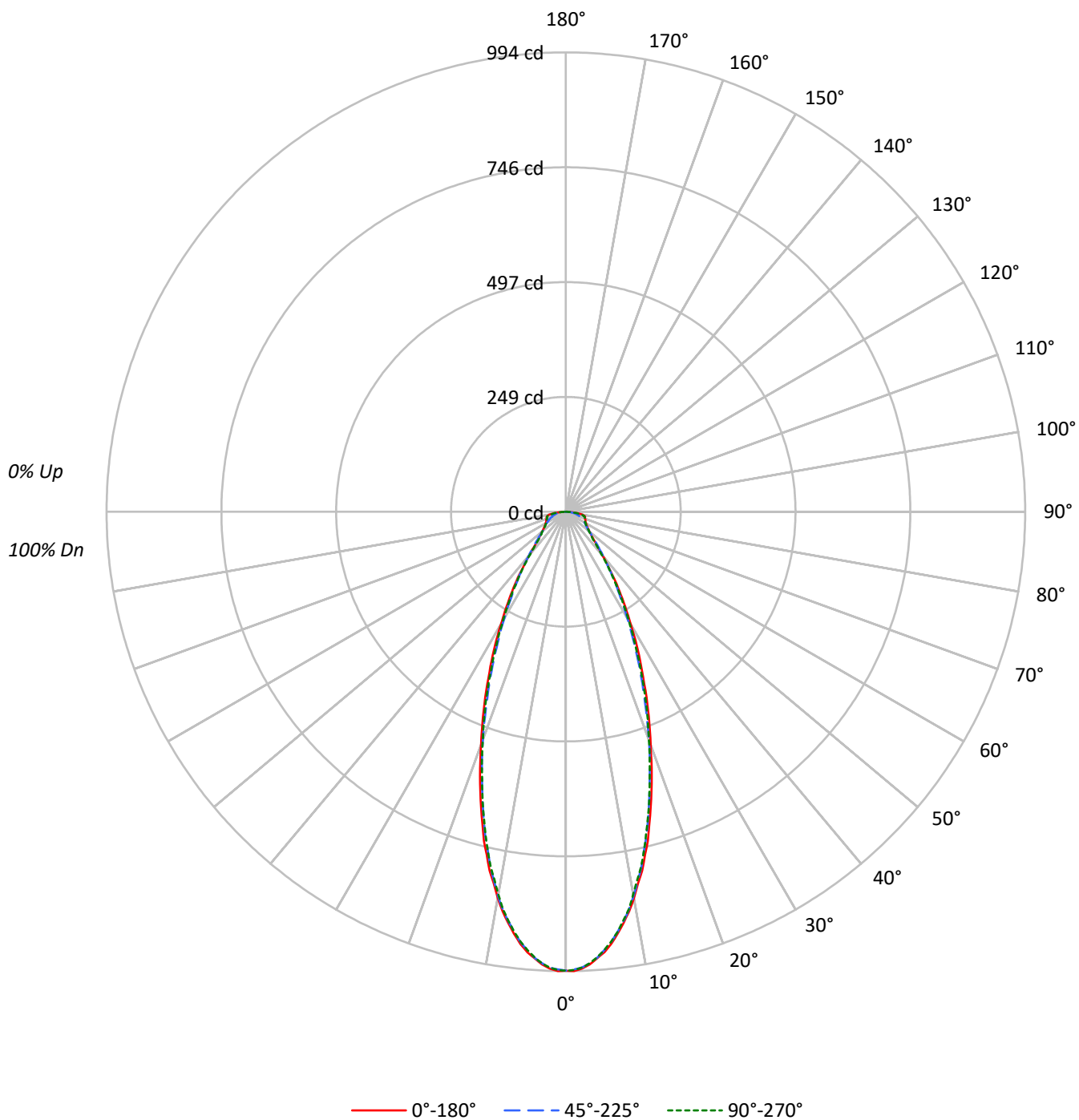
Lumens per Lamp: N/A
Luminaire Lumens: 783.1 lumens
Efficiency: N/A
Efficacy: 36.9 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	59	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°	171000	171000	171000
5°	165429	164617	164617
10°	148473	147633	147004
15°	124434	122509	122295
20°	98236	96256	96256
25°	75194	72229	73597
30°	55802	52938	54131
35°	40346	38580	38832
40°	27765	28305	26956
45°	20727	21604	19850
50°	18005	17683	17683
55°	16935	16214	16574
60°	17360	16120	16947
65°	19072	16138	18583
70°	22357	16315	21753
75°	28746	17567	27948
80°	35704	19042	33324
85°	28455	18970	26084

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 35704 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.5	11.2
10°-20°	190.4	24.3
20°-30°	177.4	22.7
30°-40°	117.7	15.0
40°-50°	68.5	8.7
50°-60°	49.9	6.4
60°-70°	42.2	5.4
70°-80°	34.9	4.5
80°-90°	14.5	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°	455.3	58.1
0°-40°	573.0	73.2
0°-60°	691.4	88.3
0°-90°	783.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	783.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	993	993	993	993	993	
5°	957	956	952	952	952	88
15°	698	691	687	686	686	193
25°	396	388	380	381	387	182
35°	192	188	184	185	185	121
45°	85	86	89	84	82	68
55°	56	55	54	55	55	51
65°	47	42	40	42	46	47
75°	43	32	26	32	42	44
85°	14	17	10	16	13	17
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	992.9	992.9	992.9	992.9	992.9
1°	994.1	992.9	990.5	991.7	991.7
2°	989.3	988.1	986.9	986.9	986.9
3°	980.9	979.7	978.5	978.5	978.5
4°	968.9	967.7	967.7	966.5	966.5
5°	956.9	955.8	952.2	952.2	952.2
6°	940.2	939.0	936.6	935.4	935.4
7°	919.8	919.8	916.2	915.0	916.2
8°	898.2	897.0	894.6	893.4	893.4
9°	875.4	871.8	871.8	868.2	870.6
10°	849.0	846.6	844.2	841.8	840.6
11°	819.0	817.8	814.2	811.8	810.6
12°	793.9	787.9	785.5	781.9	784.3
13°	761.5	757.9	751.9	750.7	751.9
14°	733.9	726.7	721.9	719.5	718.3
15°	697.9	690.7	687.1	685.9	685.9
17.5°	617.6	612.8	603.2	603.2	603.2
20°	536.0	531.2	525.2	524.0	525.2
22.5°	465.3	456.9	447.3	448.5	455.7
25°	395.7	388.5	380.1	381.3	387.3
27.5°	337.0	327.4	319.0	321.4	325.0
30°	280.6	274.6	266.2	268.6	272.2
32.5°	232.6	229.0	219.5	221.8	225.4
35°	191.9	188.3	183.5	184.7	184.7
37.5°	153.5	153.5	152.3	151.1	149.9
40°	123.5	125.9	125.9	122.3	119.9
42.5°	100.7	103.1	105.5	100.7	97.1
45°	85.1	86.3	88.7	83.9	81.5
47.5°	74.3	74.3	76.7	73.2	72.0
50°	67.2	67.2	66.0	64.8	66.0
52.5°	61.2	60.0	58.8	60.0	60.0
55°	56.4	55.2	54.0	55.2	55.2
57.5°	52.8	51.6	50.4	50.4	51.6
60°	50.4	48.0	46.8	48.0	49.2
62.5°	48.0	44.4	43.2	44.4	46.8
65°	46.8	42.0	39.6	42.0	45.6
67.5°	45.6	39.6	36.0	39.6	44.4
70°	44.4	37.2	32.4	37.2	43.2
72.5°	43.2	34.8	30.0	34.8	43.2
75°	43.2	32.4	26.4	32.4	42.0
77.5°	40.8	30.0	22.8	30.0	39.6
80°	36.0	27.6	19.2	26.4	33.6
82.5°	26.4	24.0	14.4	22.8	25.2
85°	14.4	16.8	9.6	15.6	13.2
87.5°	2.4	3.6	2.4	7.2	4.8



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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)