

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: P1314490

Luminaire Tested: P3SQAS17R159735DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314490
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R159735DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

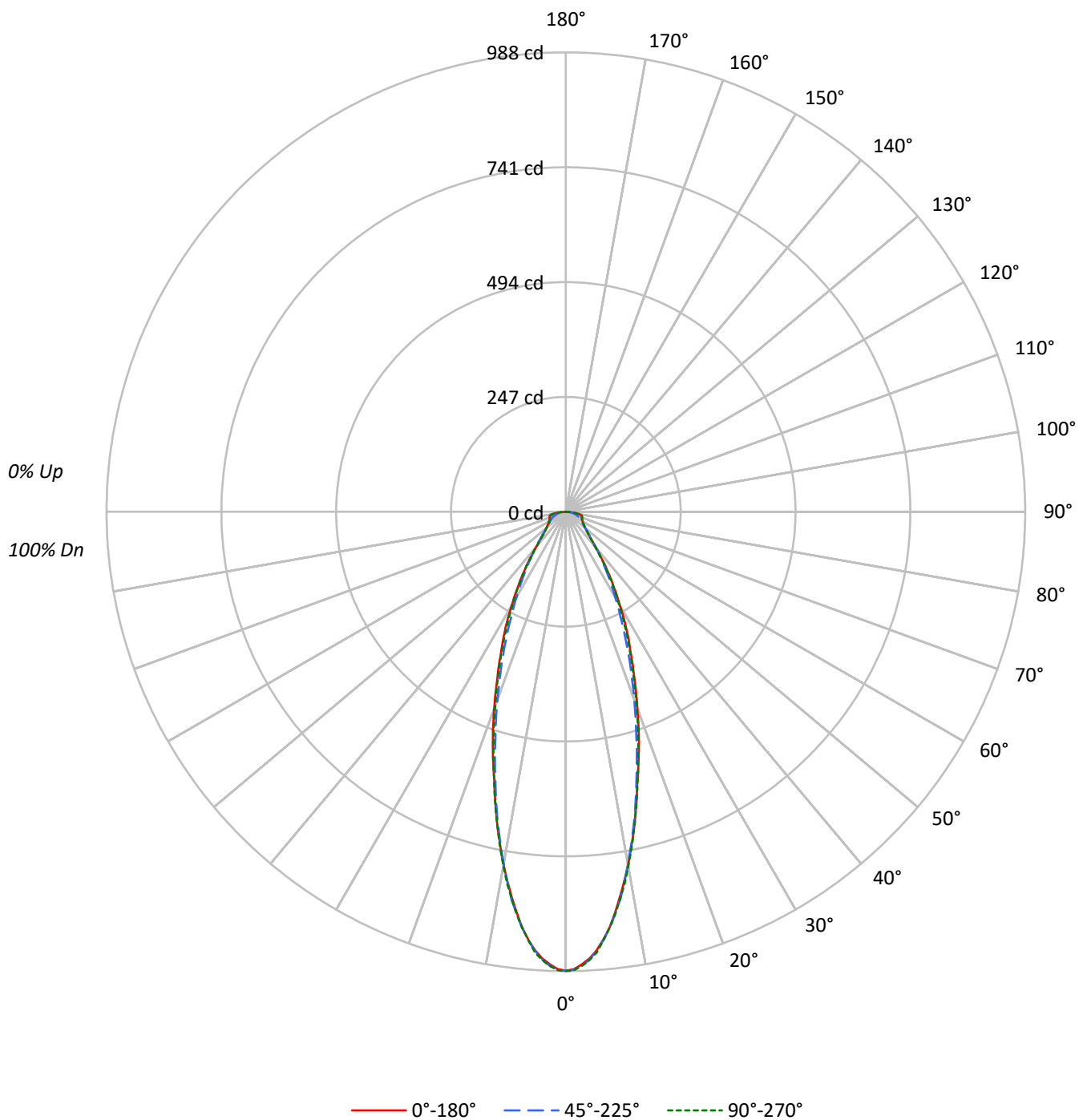
Lumens per Lamp: N/A
Luminaire Lumens: 662.0 lumens
Efficiency: N/A
Efficacy: 31.2 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	108	104	101	109	105	102	100	101	99	96		97	95	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	98	90	84	79	96	88	83	78	86	81	77		83	79	76		81
4	92	83	76	71	90	82	76	71	80	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	69	64		72	68	64		71
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67
7	78	68	61	56	77	67	60	56	66	60	56		64	59	55		63
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	71	60	54	49	70	60	53	49	59	53	49		58	53	49		57
10	68	57	51	47	67	57	51	47	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	170070	170070	170070
5°	159724	159932	159932
10°	134919	134500	135339
15°	106105	104607	106319
20°	82474	78735	81374
25°	62253	57920	61341
30°	46296	42239	45341
35°	33051	30780	32546
40°	22392	22662	22122
45°	16659	17536	16659
50°	14468	14468	14468
55°	14052	13332	14052
60°	14467	13227	14053
65°	15649	13692	15649
70°	18732	13898	18732
75°	23955	14373	23955
80°	29754	15472	28564
85°	23712	14227	26084

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 29754 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.3	12.6
10°-20°	164.6	24.9
20°-30°	145.5	22.0
30°-40°	95.6	14.4
40°-50°	55.9	8.4
50°-60°	41.1	6.2
60°-70°	35.1	5.3
70°-80°	28.9	4.4
80°-90°	12.0	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°	393.5	59.4
0°-40°	489.1	73.9
0°-60°	586.1	88.5
0°-90°	662.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	662.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	988	988	988	988	988	
5°	924	924	925	926	925	83
15°	595	595	587	594	596	166
25°	328	317	305	313	323	151
35°	157	151	146	150	155	99
45°	68	70	72	70	68	55
55°	47	46	44	46	47	42
65°	38	35	34	35	38	38
75°	36	26	22	28	36	37
85°	12	13	7	12	13	14
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	987.5	987.5	987.5	987.5	987.5
1°	983.9	985.1	985.1	986.3	986.3
2°	974.3	976.7	977.9	977.9	977.9
3°	962.3	963.5	964.7	965.9	965.9
4°	945.5	946.7	946.7	949.1	950.3
5°	923.9	923.9	925.1	926.3	925.1
6°	898.7	898.7	899.9	899.9	899.9
7°	868.7	869.9	871.1	872.3	871.1
8°	836.3	837.5	841.1	841.1	839.9
9°	803.9	805.1	805.1	808.7	808.7
10°	771.5	771.5	769.1	771.5	773.9
12.5°	683.9	682.7	679.1	682.7	685.1
15°	595.1	595.1	586.7	593.9	596.3
17.5°	523.1	512.3	504.0	511.2	517.1
20°	450.0	439.2	429.6	436.8	444.0
22.5°	384.0	375.6	363.6	370.8	379.2
25°	327.6	316.8	304.8	313.2	322.8
27.5°	280.8	266.4	254.4	264.0	272.4
30°	232.8	223.2	212.4	219.6	228.0
32.5°	192.0	184.8	176.4	182.4	189.6
35°	157.2	151.2	146.4	150.0	154.8
37.5°	126.0	123.6	121.2	122.4	122.4
40°	99.6	100.8	100.8	100.8	98.4
42.5°	81.6	82.8	85.2	82.8	81.6
45°	68.4	69.6	72.0	69.6	68.4
47.5°	60.0	61.2	62.4	60.0	60.0
50°	54.0	54.0	54.0	54.0	54.0
52.5°	50.4	49.2	49.2	49.2	50.4
55°	46.8	45.6	44.4	45.6	46.8
57.5°	43.2	42.0	40.8	42.0	43.2
60°	42.0	39.6	38.4	39.6	40.8
62.5°	39.6	37.2	36.0	37.2	39.6
65°	38.4	34.8	33.6	34.8	38.4
67.5°	37.2	32.4	30.0	32.4	37.2
70°	37.2	30.0	27.6	31.2	37.2
72.5°	36.0	28.8	24.0	28.8	36.0
75°	36.0	26.4	21.6	27.6	36.0
77.5°	33.6	24.0	18.0	25.2	33.6
80°	30.0	21.6	15.6	22.8	28.8
82.5°	21.6	18.0	12.0	18.0	21.6
85°	12.0	13.2	7.2	12.0	13.2
87.5°	1.2	3.6	2.4	7.2	6.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)