

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: P1313514

Luminaire Tested: P3SQAS17R159730DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313514
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R159730DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

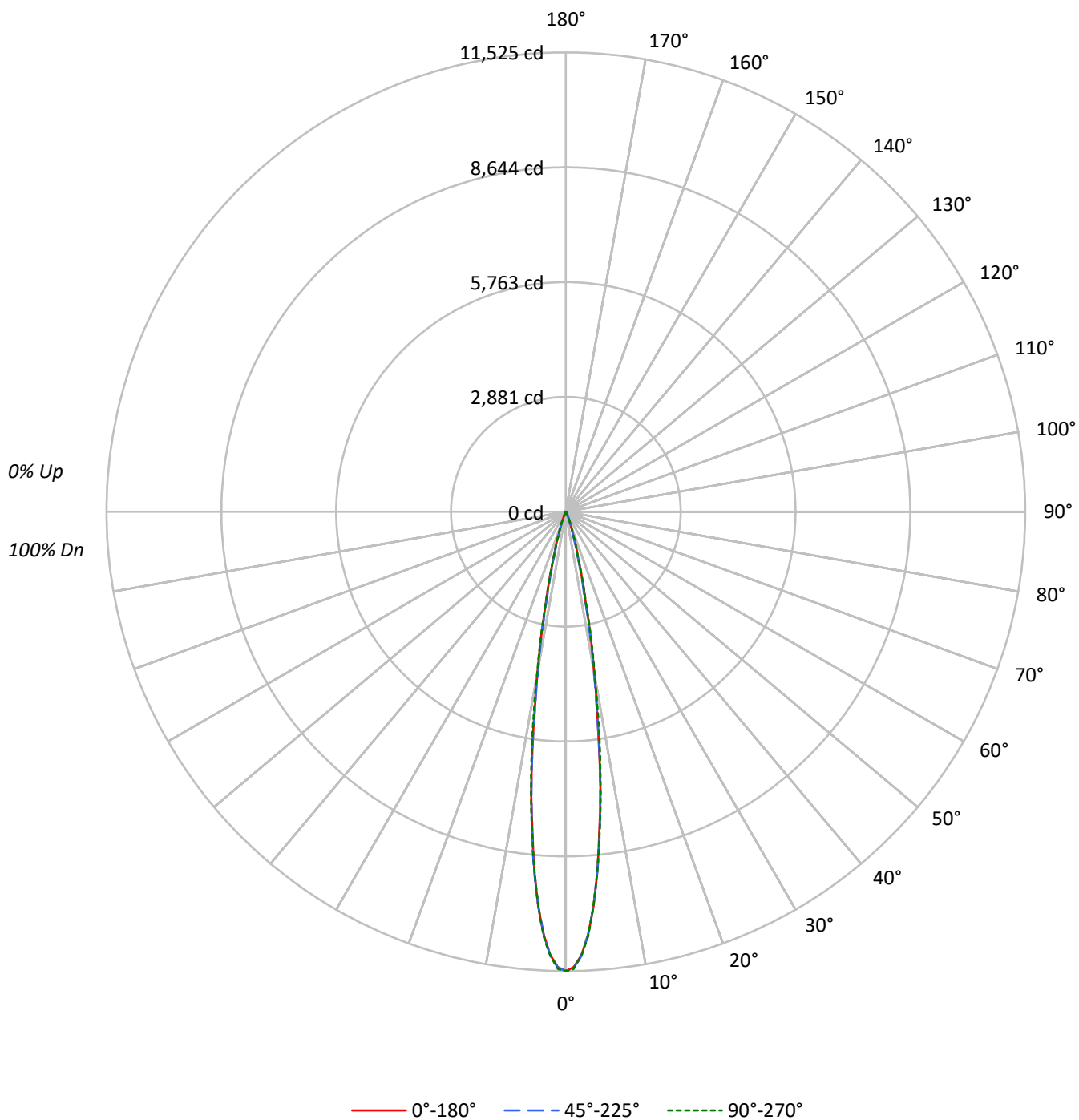
Lumens per Lamp: N/A
Luminaire Lumens: 1154.0 lumens
Efficiency: N/A
Efficacy: 54.4 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	98	98	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	97	97	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	95	95	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	93	93	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	92	92	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	89	89	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88	88	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1984866	1984866	1984866
5°	1565658	1569841	1564257
10°	716289	697524	731433
15°	212977	190137	208662
20°	63248	61342	66419
25°	17977	23240	20827
30°	6423	6881	6205
35°	2418	2187	2187
40°	1034	517	787
45°	560	292	560
50°	322	0	322
55°	360	0	360
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 586 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	696.3	60.3
10°-20°	386.6	33.5
20°-30°	61.5	5.3
30°-40°	8.1	0.7
40°-50°	1.2	0.1
50°-60°	0.3	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1144.5	99.2
0°-40°	1152.5	99.9
0°-60°	1154.0	100.0
0°-90°	1154.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1154.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11525	11525	11525	11525	11525	
5°	9056	9132	9080	9042	9048	695
15°	1194	1179	1066	1133	1170	394
25°	95	106	122	122	110	58
35°	12	12	10	12	10	9
45°	2	1	1	1	2	2
55°	1	0	0	0	1	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	11525.0	11525.0	11525.0	11525.0	11525.0	11525.0	11525.0	11525.0	11525.0	11525.0	11525.0
1°	11425.7	11438.4	11454.6	11439.5	11425.7	11438.4	11421.1	11423.4	11409.5	11439.5	11473.0
2°	11134.9	11151.0	11141.8	11121.0	11153.3	11155.6	11119.9	11102.5	11100.2	11130.2	11141.8
3°	10620.1	10657.1	10658.2	10651.3	10640.9	10620.1	10583.2	10607.4	10574.0	10553.2	10670.9
4°	9935.7	9968.1	10006.1	9980.8	9904.6	9911.5	9935.7	9853.8	9858.4	9905.7	9909.2
5°	9056.3	9154.4	9159.0	9123.2	9063.2	9080.5	9063.2	9040.2	9048.2	9078.2	9048.2
6°	8021.1	8131.9	8049.9	8128.4	8111.1	8133.0	8138.8	8114.6	8131.9	8113.4	8107.6
7°	7126.6	7042.4	7053.9	7021.6	7056.2	7079.3	7093.2	7051.6	7085.1	7138.2	7153.2
8°	6017.5	5993.3	5969.1	6026.8	6010.6	6038.3	6055.6	6101.8	6099.5	6115.6	6168.7
9°	4961.5	4997.3	5019.2	4968.4	5012.3	4926.9	4956.9	5080.4	5048.1	5080.4	5175.0
10°	4095.9	4124.8	4092.5	4091.3	4045.2	3988.6	3985.1	4031.3	4128.3	4204.4	4182.5
12.5°	2259.7	2285.1	2288.6	2286.3	2203.2	2109.7	2127.0	2164.0	2224.0	2249.4	2290.9
15°	1194.5	1193.4	1206.0	1170.3	1126.4	1066.4	1071.0	1121.8	1166.8	1178.3	1170.3
17.5°	612.8	615.1	624.4	615.1	569.0	574.7	587.4	593.2	619.8	630.1	624.4
20°	345.1	346.2	345.1	348.5	330.1	334.7	350.8	352.0	357.8	363.5	362.4
22.5°	197.4	198.5	205.4	203.1	198.5	204.3	207.7	213.5	215.8	213.5	220.4
25°	94.6	95.8	95.8	109.6	116.6	122.3	124.6	122.3	120.0	110.8	109.6
27.5°	54.2	54.2	56.6	57.7	60.0	70.4	69.2	57.7	48.5	48.5	49.6
30°	32.3	31.2	31.2	32.3	33.5	34.6	32.3	31.2	31.2	32.3	31.2
32.5°	19.6	19.6	19.6	18.5	18.5	17.3	17.3	19.6	19.6	19.6	19.6
35°	11.5	11.5	11.5	11.5	10.4	10.4	10.4	11.5	11.5	10.4	10.4
37.5°	6.9	6.9	6.9	5.8	5.8	4.6	5.8	5.8	5.8	5.8	5.8
40°	4.6	4.6	3.5	3.5	2.3	2.3	2.3	3.5	3.5	3.5	3.5
42.5°	3.5	3.5	2.3	2.3	1.2	1.2	1.2	2.3	2.3	2.3	2.3
45°	2.3	2.3	2.3	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3
47.5°	2.3	2.3	1.2	1.2	0.0	0.0	0.0	1.2	1.2	1.2	1.2
50°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
52.5°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
55°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)