

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: P1317220

Luminaire Tested: P3SQAS17R159830DE010 E3SQPH1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317220
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: P3SQAS17R159830DE010 E3SQPH1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , E3SQPH1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

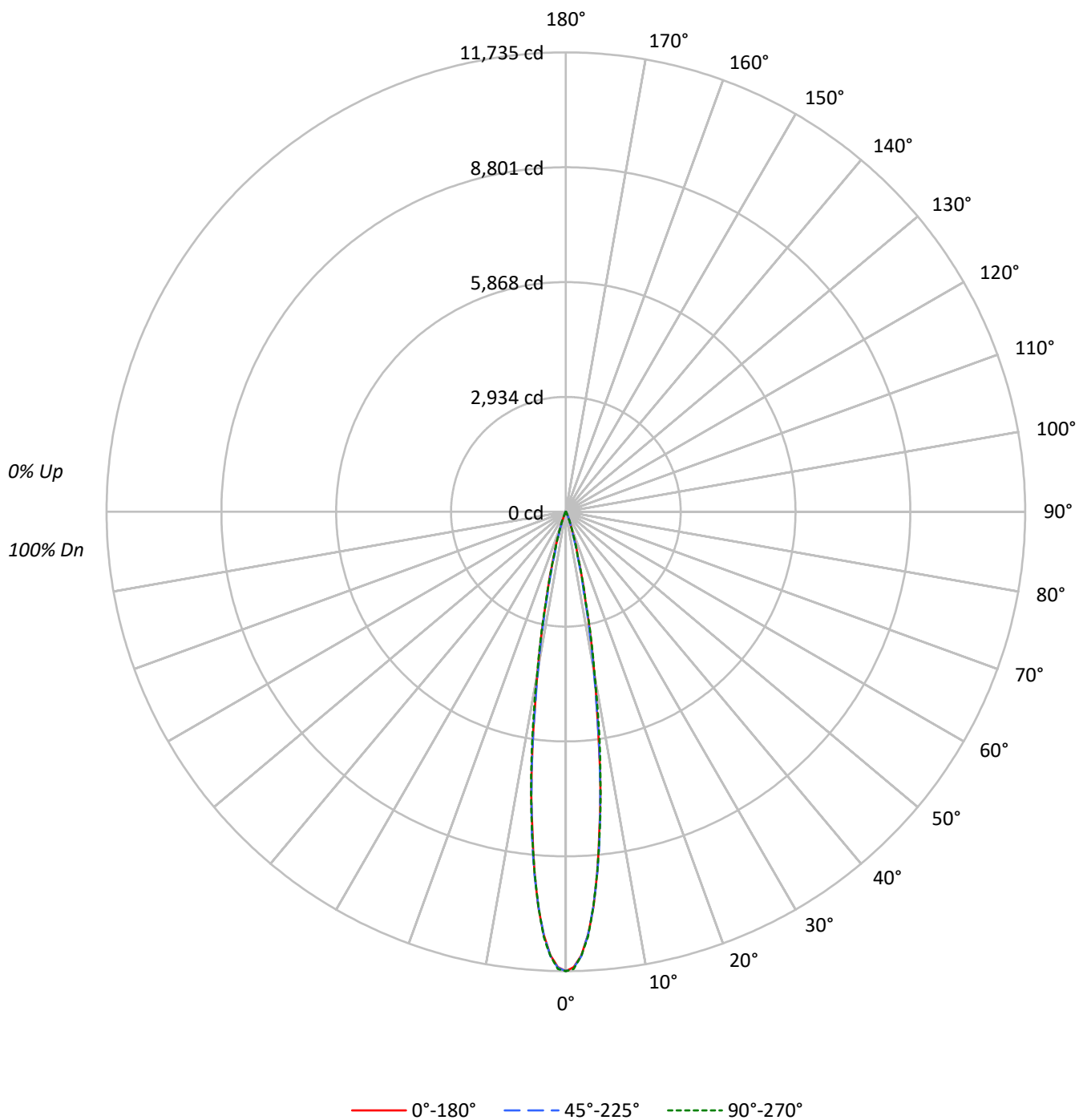
Lumens per Lamp: N/A
Luminaire Lumens: 1175.0 lumens
Efficiency: N/A
Efficacy: 57.6 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	93	93	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	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	89	89	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°	2020981	2020981	2020981
5°	1594148	1598419	1592731
10°	729335	710220	744742
15°	216846	193596	212460
20°	64403	62460	67629
25°	18319	23677	21207
30°	6543	7020	6304
35°	2481	2229	2229
40°	1057	540	787
45°	585	292	585
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: 612 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	709.0	60.3
10°-20°	393.6	33.5
20°-30°	62.7	5.3
30°-40°	8.2	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°	1165.3	99.2
0°-40°	1173.5	99.9
0°-60°	1175.0	100.0
0°-90°	1175.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1175.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11735	11735	11735	11735	11735	
5°	9221	9298	9246	9207	9213	707
15°	1216	1201	1086	1154	1192	401
25°	96	108	125	124	112	59
35°	12	12	11	12	11	9
45°	2	2	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°	11734.7	11734.7	11734.7	11734.7	11734.7	11734.7	11734.7	11734.7	11734.7	11734.7	11734.7
1°	11633.6	11646.5	11663.0	11647.7	11633.6	11646.5	11628.9	11631.3	11617.2	11647.7	11681.8
2°	11337.5	11353.9	11344.5	11323.4	11356.3	11358.6	11322.2	11304.6	11302.2	11332.8	11344.5
3°	10813.4	10851.0	10852.2	10845.1	10834.5	10813.4	10775.8	10800.5	10766.4	10745.2	10865.1
4°	10116.5	10149.5	10188.2	10162.4	10084.8	10091.9	10116.5	10033.1	10037.8	10086.0	10089.5
5°	9221.1	9321.0	9325.7	9289.3	9228.2	9245.8	9228.2	9204.7	9212.9	9243.4	9212.9
6°	8167.0	8279.8	8196.4	8276.3	8258.7	8281.0	8286.9	8262.2	8279.8	8261.0	8255.2
7°	7256.3	7170.5	7182.3	7149.4	7184.6	7208.1	7222.2	7179.9	7214.0	7268.1	7283.4
8°	6127.0	6102.4	6077.7	6136.4	6120.0	6148.2	6165.8	6212.8	6210.5	6226.9	6281.0
9°	5051.8	5088.2	5110.6	5058.9	5103.5	5016.6	5047.1	5172.8	5139.9	5172.8	5269.2
10°	4170.5	4199.9	4167.0	4165.8	4118.8	4061.2	4057.7	4104.7	4203.4	4280.9	4258.6
12.5°	2300.9	2326.7	2330.2	2327.9	2243.3	2148.1	2165.7	2203.3	2264.4	2290.3	2332.6
15°	1216.2	1215.1	1228.0	1191.6	1146.9	1085.8	1090.5	1142.2	1188.0	1199.8	1191.6
17.5°	624.0	626.3	635.7	626.3	579.3	585.2	598.1	604.0	631.0	641.6	635.7
20°	351.4	352.5	351.4	354.9	336.1	340.8	357.2	358.4	364.3	370.2	369.0
22.5°	200.9	202.1	209.2	206.8	202.1	208.0	211.5	217.4	219.7	217.4	224.4
25°	96.4	97.5	97.5	111.6	118.7	124.6	126.9	124.6	122.2	112.8	111.6
27.5°	55.2	55.2	57.6	58.8	61.1	71.7	70.5	58.8	49.4	49.4	50.5
30°	32.9	31.7	31.7	32.9	34.1	35.3	32.9	31.7	31.7	32.9	31.7
32.5°	20.0	20.0	20.0	18.8	18.8	17.6	17.6	20.0	20.0	20.0	20.0
35°	11.8	11.8	11.8	11.8	10.6	10.6	10.6	11.8	11.8	10.6	10.6
37.5°	7.1	7.1	7.1	5.9	5.9	4.7	5.9	5.9	5.9	5.9	5.9
40°	4.7	4.7	3.5	3.5	2.4	2.4	2.4	3.5	3.5	3.5	3.5
42.5°	3.5	3.5	2.4	2.4	1.2	1.2	1.2	2.4	2.4	2.4	2.4
45°	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4
47.5°	2.4	2.4	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)