

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: P1313666

Luminaire Tested: P3SQAS20R159730D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313666
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R159730D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

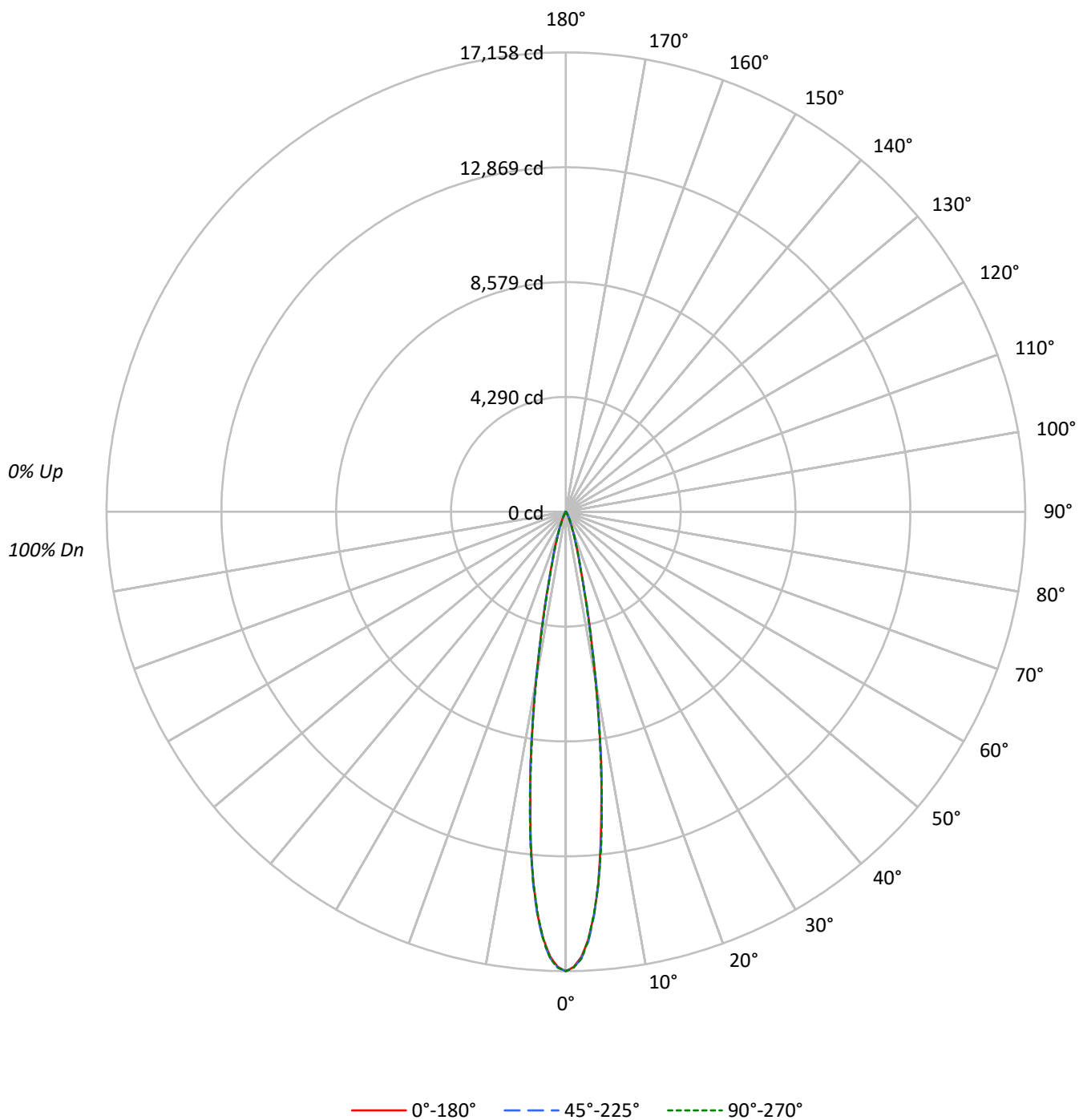
Lumens per Lamp: N/A
Luminaire Lumens: 1915.0 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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

TEST NUMBER: P1313666

CATALOG NUMBER: P3SQAS20R159730D010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1313666

CATALOG NUMBER: P3SQAS20R159730D010 E3SQCD1MB

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	103	102	101	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	91	91	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	87	87	86
9	97	92	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	85	85	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2955048	2955048	2955048
5°	2405961	2413809	2409107
10°	1122324	1132397	1118092
15°	352442	355401	353244
20°	139638	145191	135202
25°	56419	68220	54405
30°	22591	31023	21378
35°	6686	13687	6370
40°	2046	5103	1709
45°	365	1096	365
50°	0	402	0
55°	0	0	0
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: 45°

Vertical Angle: 45°

Luminance: 1096 cd/sqm

TEST NUMBER: P1313666

CATALOG NUMBER: P3SQAS20R159730D010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1074.3	56.1
10°-20°	642.5	33.6
20°-30°	162.0	8.5
30°-40°	33.1	1.7
40°-50°	3.1	0.2
50°-60°	0.0	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°	1878.8	98.1
0°-40°	1911.9	99.8
0°-60°	1915.0	100.0
0°-90°	1915.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1915.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17158	17158	17158	17158	17158	
5°	13917	13891	13962	13928	13935	1071
15°	1977	1993	1993	1964	1981	643
25°	297	324	359	318	286	153
35°	32	42	65	41	30	26
45°	2	3	4	3	2	2
55°	0	0	0	0	0	0
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



TEST NUMBER: P1313666

CATALOG NUMBER: P3SQAS20R159730D010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	17158.3	17158.3	17158.3	17158.3	17158.3
1°	17003.8	17061.4	17031.1	17055.3	17028.1
2°	16635.8	16713.0	16688.8	16681.2	16702.4
3°	15987.5	16076.8	16073.8	16051.1	16014.7
4°	15102.9	15066.6	15122.6	15116.5	15054.4
5°	13916.9	13891.2	13962.3	13927.5	13935.1
6°	12465.8	12577.9	12553.7	12556.7	12585.5
7°	10907.2	10967.8	11019.3	11061.7	11002.7
8°	9475.9	9460.7	9465.3	9513.7	9350.1
9°	7873.3	7967.2	7906.6	7809.7	7871.8
10°	6417.7	6475.3	6475.3	6390.4	6393.5
11°	5116.6	5163.6	5130.2	5151.4	5018.1
12°	4124.5	4007.9	3980.6	4001.8	4000.3
13°	3149.0	3156.6	3149.0	3147.5	3132.4
14°	2468.9	2508.3	2491.7	2450.8	2432.6
15°	1976.7	1993.3	1993.3	1964.5	1981.2
17.5°	1187.5	1207.2	1211.7	1192.1	1192.1
20°	761.9	771.0	792.2	763.4	737.7
22.5°	469.6	489.2	525.6	483.2	462.0
25°	296.9	324.1	359.0	318.1	286.3
27.5°	186.3	209.0	239.3	199.9	180.2
30°	113.6	128.7	156.0	125.7	107.5
32.5°	63.6	75.7	98.5	72.7	60.6
35°	31.8	42.4	65.1	40.9	30.3
37.5°	18.2	22.7	40.9	19.7	16.7
40°	9.1	12.1	22.7	12.1	7.6
42.5°	3.0	6.1	9.1	6.1	3.0
45°	1.5	3.0	4.5	3.0	1.5
47.5°	0.0	0.0	1.5	0.0	0.0
50°	0.0	0.0	1.5	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1313666

CATALOG NUMBER: P3SQAS20R159730D010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)