

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: P1314639

Luminaire Tested: P3SQAS20R159735D010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314639
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: P3SQAS20R159735D010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

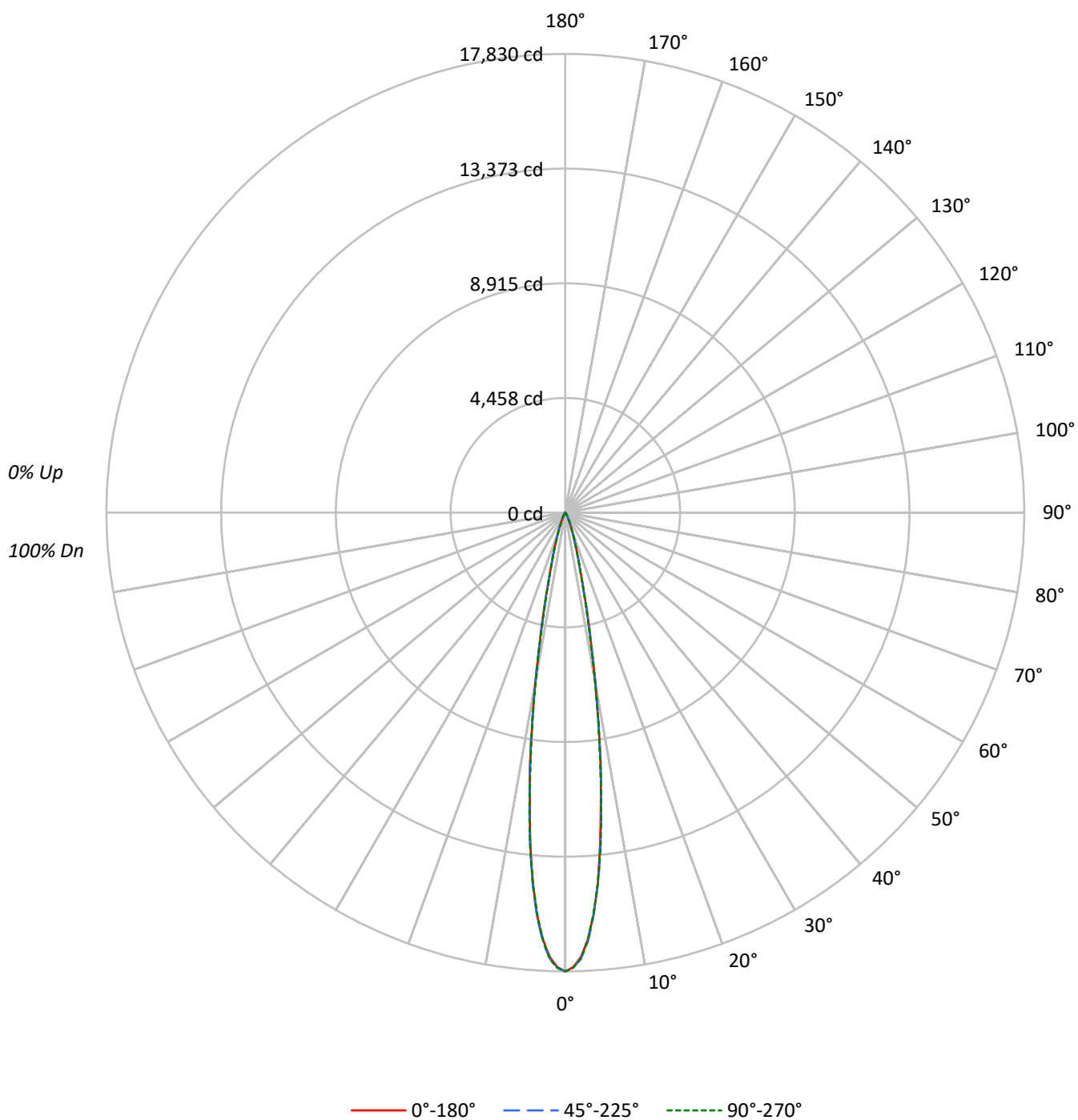
Lumens per Lamp: N/A
Luminaire Lumens: 1990.0 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1314639

CATALOG NUMBER: P3SQAS20R159735D010 E3SQCD1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1314639

CATALOG NUMBER: P3SQAS20R159735D010 E3SQCD1MMS

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	91	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°	3070781	3070781	3070781
5°	2500198	2508358	2503448
10°	1166289	1176746	1161882
15°	366242	369326	367080
20°	145099	150872	140481
25°	58623	70880	56533
30°	23486	32236	22233
35°	6959	14234	6623
40°	2113	5306	1776
45°	390	1145	390
50°	0	429	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: 1145 cd/sqm

TEST NUMBER: P1314639

CATALOG NUMBER: P3SQAS20R159735D010 E3SQCD1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1116.4	56.1
10°-20°	667.7	33.6
20°-30°	168.4	8.5
30°-40°	34.4	1.7
40°-50°	3.2	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°	1952.4	98.1
0°-40°	1986.8	99.8
0°-60°	1990.0	100.0
0°-90°	1990.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1990.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17830	17830	17830	17830	17830	
5°	14462	14435	14509	14473	14481	1113
15°	2054	2071	2071	2042	2059	668
25°	308	337	373	330	298	159
35°	33	44	68	42	32	27
45°	2	3	5	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	

TEST NUMBER: P1314639

CATALOG NUMBER: P3SQAS20R159735D010 E3SQCD1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	17830.3	17830.3	17830.3	17830.3	17830.3
1°	17669.8	17729.6	17698.1	17723.3	17695.0
2°	17287.3	17367.6	17342.4	17334.5	17356.6
3°	16613.6	16706.5	16703.3	16679.7	16642.0
4°	15694.4	15656.6	15714.9	15708.6	15644.0
5°	14462.0	14435.2	14509.2	14473.0	14480.8
6°	12954.1	13070.5	13045.4	13048.5	13078.4
7°	11334.4	11397.4	11450.9	11495.0	11433.6
8°	9847.0	9831.2	9836.0	9886.3	9716.3
9°	8181.7	8279.3	8216.3	8115.6	8180.1
10°	6669.1	6728.9	6728.9	6640.7	6643.9
11°	5317.0	5365.8	5331.2	5353.2	5214.7
12°	4286.0	4164.8	4136.5	4158.5	4156.9
13°	3272.4	3280.2	3272.4	3270.8	3255.0
14°	2565.6	2606.6	2589.2	2546.7	2527.9
15°	2054.1	2071.4	2071.4	2041.5	2058.8
17.5°	1234.0	1254.5	1259.2	1238.7	1238.7
20°	791.7	801.2	823.2	793.3	766.5
22.5°	487.9	508.4	546.2	502.1	480.1
25°	308.5	336.8	373.0	330.5	297.5
27.5°	193.6	217.2	248.7	207.8	187.3
30°	118.1	133.8	162.1	130.6	111.8
32.5°	66.1	78.7	102.3	75.6	63.0
35°	33.1	44.1	67.7	42.5	31.5
37.5°	18.9	23.6	42.5	20.5	17.3
40°	9.4	12.6	23.6	12.6	7.9
42.5°	3.1	6.3	9.4	6.3	3.1
45°	1.6	3.1	4.7	3.1	1.6
47.5°	0.0	0.0	1.6	0.0	0.0
50°	0.0	0.0	1.6	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: P1314639

CATALOG NUMBER: P3SQAS20R159735D010 E3SQCD1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)