

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: P1312696

Luminaire Tested: P3SQAS20R159727D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312696
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R159727D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

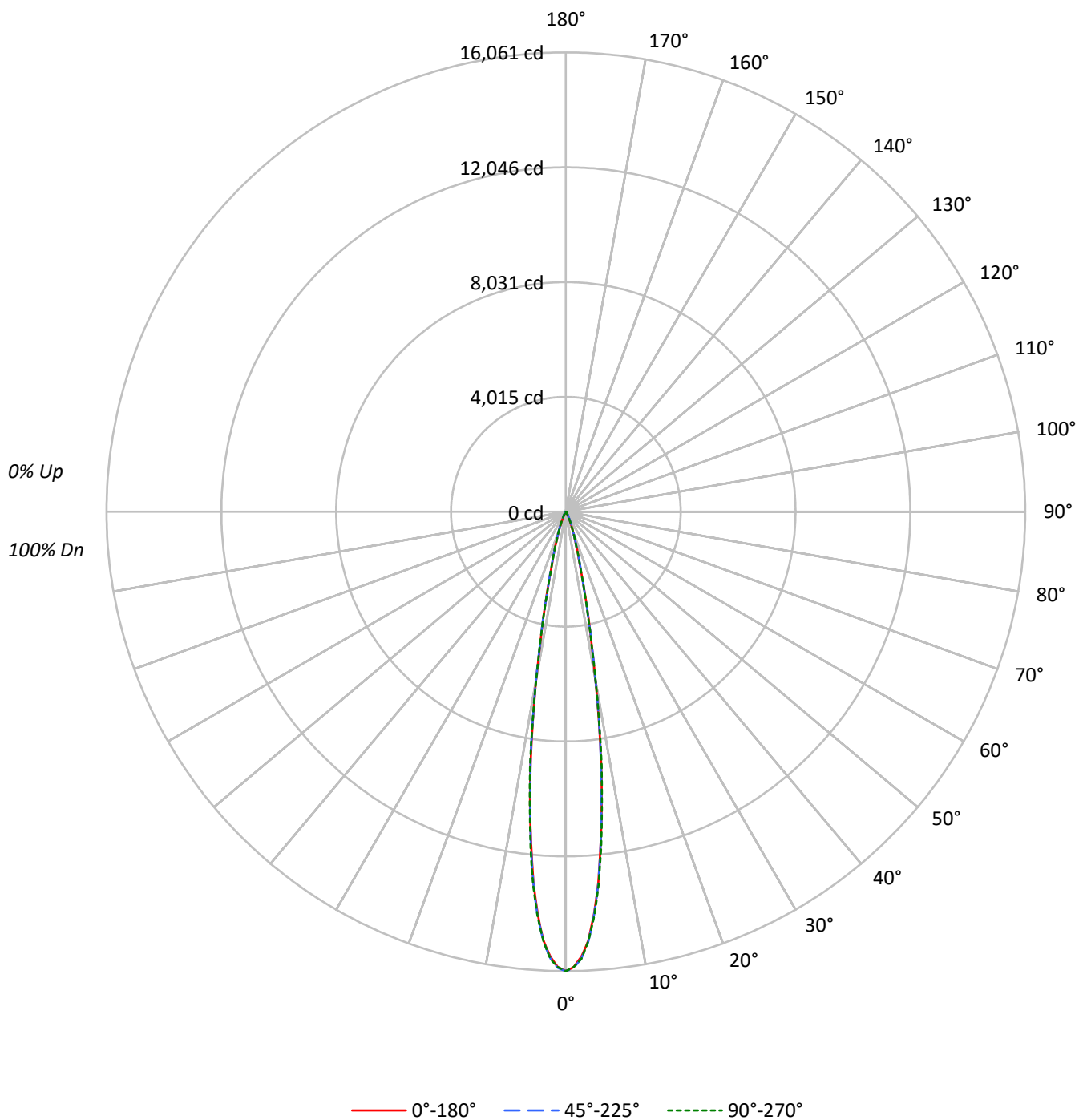
Lumens per Lamp: N/A
Luminaire Lumens: 1802.9 lumens
Efficiency: N/A
Efficacy: 62.6 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1312696

CATALOG NUMBER: P3SQAS20R159727D010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1312696

CATALOG NUMBER: P3SQAS20R159727D010 E3SQCD1MW

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	116	114	112	111	113	112	110	109	108	107	105		104	103	102		101
2	112	109	107	105	110	108	105	103	105	103	101		102	100	99		99
3	110	106	103	100	108	104	102	99	102	100	98		100	98	96		98
4	107	102	99	97	106	101	98	96	100	97	95		98	96	94		96
5	105	100	96	94	103	99	96	93	97	95	93		96	94	92		95
6	102	97	94	91	101	97	93	91	95	92	90		94	92	90		93
7	100	95	92	89	99	94	91	89	93	91	89		92	90	88		92
8	98	93	90	87	98	93	89	87	92	89	87		91	88	87		90
9	97	91	88	86	96	91	88	85	90	87	85		89	87	85		89
10	95	89	86	84	94	89	86	84	89	86	84		88	85	84		87

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2766016	2766016	2766016
5°	2249158	2256990	2264821
10°	1047475	1048455	1042771
15°	324092	335699	329388
20°	129209	136467	127651
25°	54063	63754	51383
30°	21955	29273	20264
35°	7148	13393	6539
40°	2540	5418	2540
45°	1023	1729	1023
50°	750	1125	750
55°	841	841	841
60°	964	964	964
65°	571	571	571
70°	705	705	705
75°	932	932	932
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1729 cd/sqm

TEST NUMBER: P1312696

CATALOG NUMBER: P3SQAS20R159727D010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1005.3	55.8
10°-20°	601.1	33.3
20°-30°	153.0	8.5
30°-40°	33.2	1.8
40°-50°	5.4	0.3
50°-60°	2.5	0.1
60°-70°	1.6	0.1
70°-80°	0.9	0.1
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°	1759.3	97.6
0°-40°	1792.6	99.4
0°-60°	1800.5	99.9
0°-90°	1802.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1802.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16061	16061	16061	16061	16061	
5°	13010	13028	13055	12996	13100	1003
15°	1818	1869	1883	1856	1847	598
25°	284	304	336	297	270	145
35°	34	44	64	42	31	27
45°	4	6	7	6	4	4
55°	3	3	3	3	3	3
65°	1	1	1	1	1	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1312696

CATALOG NUMBER: P3SQAS20R159727D010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	16060.7	16060.7	16060.7	16060.7	16060.7
1°	15920.5	15947.4	15951.7	15947.4	15924.8
2°	15562.4	15641.6	15624.7	15590.7	15638.8
3°	15008.8	15048.5	15042.8	15045.6	15034.3
4°	14108.5	14177.8	14138.2	14167.9	14170.8
5°	13009.9	13028.3	13055.2	12995.8	13100.5
6°	11658.0	11775.5	11672.1	11774.1	11815.1
7°	10283.4	10351.3	10219.7	10290.4	10332.9
8°	8877.6	8758.7	8830.9	8832.3	8972.5
9°	7360.0	7384.1	7445.0	7375.6	7436.5
10°	5989.7	6044.9	5995.3	5971.3	5962.8
11°	4729.7	4792.0	4787.8	4794.8	4748.1
12°	3805.3	3772.7	3794.0	3724.6	3755.7
13°	2961.6	2963.0	2946.0	2917.7	2892.2
14°	2320.3	2306.1	2345.8	2310.4	2277.8
15°	1817.7	1868.7	1882.8	1855.9	1847.4
17.5°	1121.2	1122.6	1142.4	1117.0	1114.1
20°	705.0	722.0	744.6	717.7	696.5
22.5°	445.9	461.5	496.9	462.9	433.2
25°	284.5	304.4	335.5	297.3	270.4
27.5°	178.4	196.8	226.5	191.1	171.3
30°	110.4	123.2	147.2	120.3	101.9
32.5°	63.7	76.4	96.3	72.2	60.9
35°	34.0	43.9	63.7	42.5	31.1
37.5°	19.8	25.5	41.1	22.7	18.4
40°	11.3	15.6	24.1	14.2	11.3
42.5°	7.1	9.9	11.3	8.5	5.7
45°	4.2	5.7	7.1	5.7	4.2
47.5°	2.8	4.2	5.7	2.8	2.8
50°	2.8	2.8	4.2	2.8	2.8
52.5°	2.8	2.8	2.8	2.8	2.8
55°	2.8	2.8	2.8	2.8	2.8
57.5°	2.8	2.8	2.8	2.8	2.8
60°	2.8	2.8	2.8	2.8	2.8
62.5°	1.4	1.4	1.4	1.4	1.4
65°	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4
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: P1312696

CATALOG NUMBER: P3SQAS20R159727D010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)