

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: P1315677

Luminaire Tested: P3SQAS20R359740D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315677
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359740D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

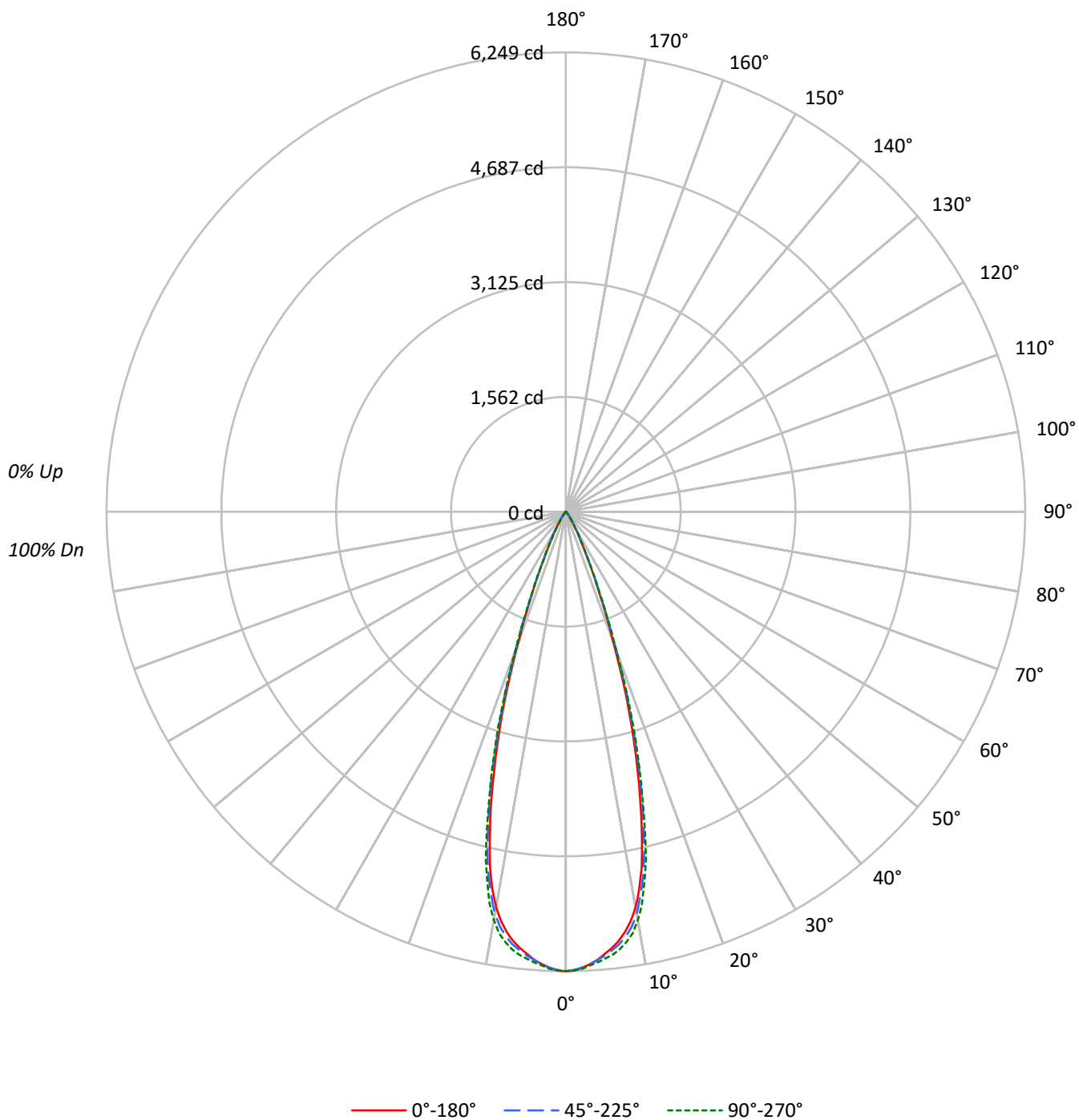
Lumens per Lamp: N/A
Luminaire Lumens: 2099.0 lumens
Efficiency: N/A
Efficacy: 72.9 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1315677

CATALOG NUMBER: P3SQAS20R359740D010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1315677

CATALOG NUMBER: P3SQAS20R359740D010 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	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97
3	107	102	98	95	105	101	97	95	98	96	93		96	94	92		94
4	103	98	94	91	102	97	93	90	95	92	89		93	90	88		91
5	100	94	90	86	99	93	89	86	91	88	85		90	87	85		89
6	97	90	86	83	96	90	86	83	88	85	82		87	84	82		86
7	94	87	83	80	93	87	82	79	85	82	79		84	81	79		83
8	91	84	80	77	90	84	79	77	83	79	76		82	78	76		81
9	88	81	77	74	88	81	77	74	80	76	74		79	76	74		79
10	86	79	75	72	85	78	74	72	78	74	71		77	74	71		76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1076185	1076185	1076185
5°	1044319	1048002	1055090
10°	955279	971893	986792
15°	685716	710838	718131
20°	344925	365030	365946
25°	130719	134767	135394
30°	53097	60913	52123
35°	19279	29266	18586
40°	8094	12523	7734
45°	1997	5188	1997
50°	1313	2197	1313
55°	1471	1471	1471
60°	1688	1688	1688
65°	1345	1345	1345
70°	806	806	806
75°	1065	1065	1065
80°	1587	1587	1587
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 5188 cd/sqm

TEST NUMBER: P1315677

CATALOG NUMBER: P3SQAS20R359740D010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	565.0	26.9
10°-20°	1052.5	50.1
20°-30°	378.6	18.0
30°-40°	79.5	3.8
40°-50°	13.7	0.7
50°-60°	4.5	0.2
60°-70°	3.3	0.2
70°-80°	1.7	0.1
80°-90°	0.3	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°	1996.0	95.1
0°-40°	2075.6	98.9
0°-60°	2093.8	99.8
0°-90°	2099.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2099.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6249	6249	6249	6249	6249	
5°	6041	6052	6062	6103	6103	560
15°	3846	3913	3987	4029	4028	1023
25°	688	698	709	716	712	366
35°	92	108	139	106	88	70
45°	8	13	21	13	8	10
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

TEST NUMBER: P1315677

CATALOG NUMBER: P3SQAS20R359740D010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6248.8	6248.8	6248.8	6248.8	6248.8
1°	6245.5	6245.5	6232.4	6247.1	6242.2
2°	6211.1	6214.4	6206.2	6224.2	6222.5
3°	6163.6	6171.8	6165.2	6191.4	6183.2
4°	6112.8	6119.4	6116.1	6148.8	6145.6
5°	6040.7	6052.2	6062.0	6103.0	6103.0
6°	5967.0	5978.5	5999.8	6044.0	6058.7
7°	5881.9	5896.6	5931.0	5990.0	5999.8
8°	5773.7	5790.1	5837.6	5901.5	5914.6
9°	5639.4	5664.0	5718.1	5795.0	5803.2
10°	5462.5	5482.2	5557.5	5621.4	5642.7
11°	5233.2	5249.6	5316.8	5420.0	5433.1
12°	4954.8	4974.4	5061.2	5128.4	5141.5
13°	4602.6	4640.3	4745.1	4810.6	4846.7
14°	4240.6	4291.4	4366.8	4460.1	4437.2
15°	3845.9	3913.0	3986.8	4029.3	4027.7
17.5°	2877.9	2917.2	2982.7	3007.3	3040.0
20°	1882.0	1932.8	1991.7	2014.7	1996.7
22.5°	1167.9	1181.0	1199.0	1208.8	1205.5
25°	687.9	697.8	709.2	715.8	712.5
27.5°	414.4	437.3	453.7	434.1	422.6
30°	267.0	276.8	306.3	280.1	262.1
32.5°	158.9	181.8	206.4	175.3	152.3
35°	91.7	108.1	139.2	106.5	88.4
37.5°	59.0	67.2	90.1	65.5	57.3
40°	36.0	45.9	55.7	42.6	34.4
42.5°	18.0	27.8	32.8	24.6	18.0
45°	8.2	13.1	21.3	13.1	8.2
47.5°	4.9	6.6	13.1	6.6	4.9
50°	4.9	4.9	8.2	4.9	4.9
52.5°	4.9	4.9	4.9	4.9	4.9
55°	4.9	4.9	4.9	4.9	4.9
57.5°	4.9	4.9	4.9	4.9	4.9
60°	4.9	4.9	4.9	4.9	4.9
62.5°	3.3	3.3	3.3	3.3	3.3
65°	3.3	3.3	3.3	3.3	3.3
67.5°	3.3	3.3	3.3	3.3	3.3
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	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: P1315677

CATALOG NUMBER: P3SQAS20R359740D010 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)