

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: P1309451

Luminaire Tested: P3SQAS20R359035D010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309451
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359035D010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

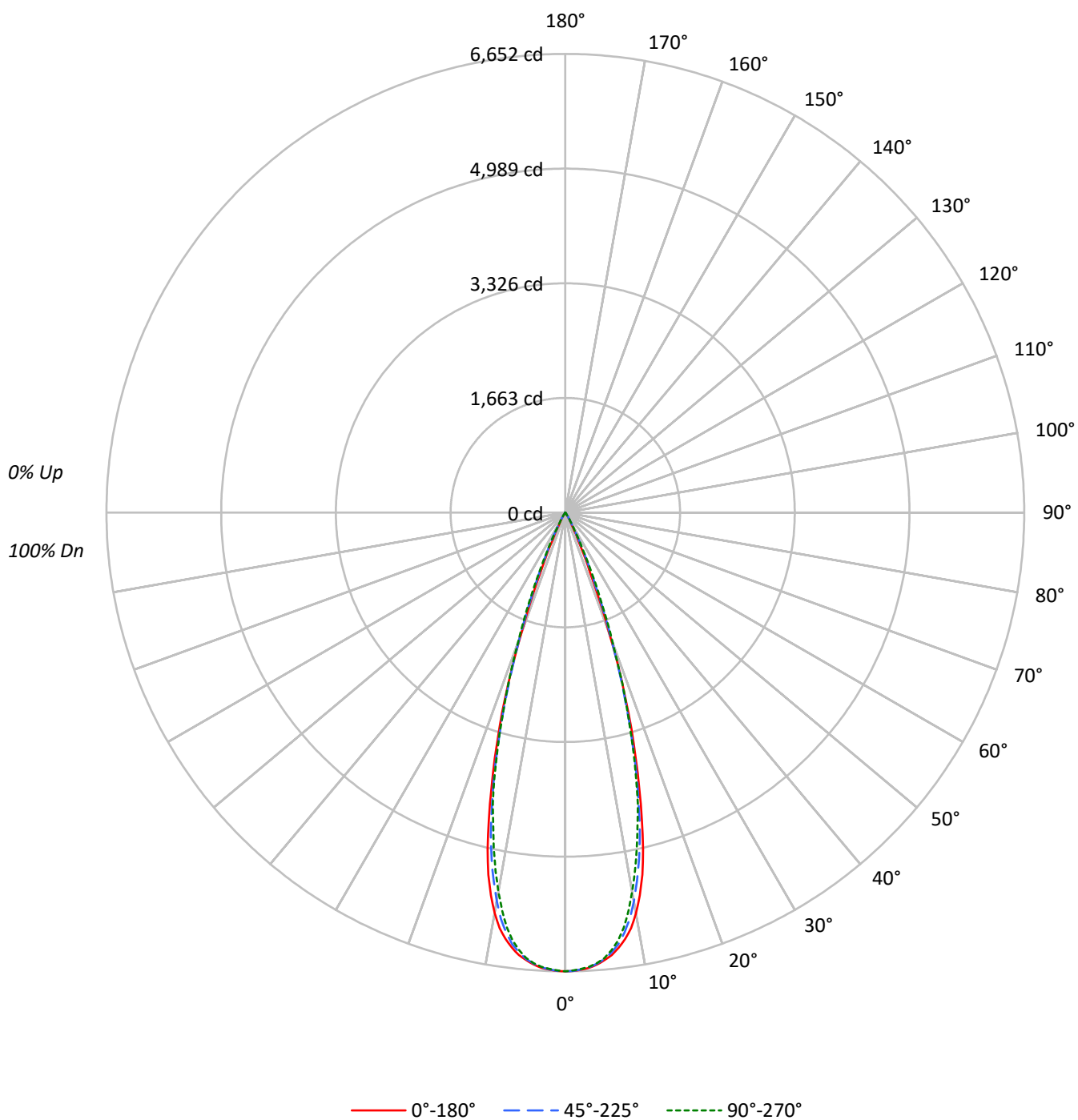
Lumens per Lamp: N/A
Luminaire Lumens: 2019.0 lumens
Efficiency: N/A
Efficacy: 70.1 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1309451

CATALOG NUMBER: P3SQAS20R359035D010 E3SQPH1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1309451

CATALOG NUMBER: P3SQAS20R359035D010 E3SQPH1MW

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	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	103	101	103	101	99		100	98	97		97
3	108	103	100	97	106	102	99	96	99	97	94		97	95	93		95
4	104	99	95	92	103	98	94	92	96	93	91		94	92	90		93
5	101	95	91	88	100	95	91	88	93	90	87		92	89	87		90
6	98	92	88	85	97	91	88	85	90	87	84		89	86	84		88
7	96	89	85	82	94	89	85	82	87	84	81		86	83	81		85
8	93	86	82	79	92	86	82	79	85	81	79		84	81	79		83
9	90	84	80	77	89	83	79	77	82	79	76		82	79	76		81
10	88	81	77	75	87	81	77	74	80	77	74		80	76	74		79

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1145608	1145608	1145608
5°	1125936	1123533	1121130
10°	1031894	1000870	976544
15°	738903	715332	706648
20°	342634	354418	366863
25°	81293	115669	120629
30°	23864	27324	30784
35°	5487	8767	8052
40°	1169	2338	1574
45°	414	414	414
50°	455	0	455
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: 0°

Vertical Angle: 52.5°

Luminance: 481 cd/sqm

TEST NUMBER: P1309451

CATALOG NUMBER: P3SQAS20R359035D010 E3SQPH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	597.2	29.6
10°-20°	1067.6	52.9
20°-30°	321.2	15.9
30°-40°	30.7	1.5
40°-50°	2.1	0.1
50°-60°	0.1	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°	1986.0	98.4
0°-40°	2016.8	99.9
0°-60°	2019.0	100.0
0°-90°	2019.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2019.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6652	6652	6652	6652	6652	
5°	6513	6511	6499	6490	6485	604
15°	4144	4113	4012	3995	3963	1095
25°	428	471	609	635	635	275
35°	26	35	42	45	38	24
45°	2	2	2	2	2	2
55°	0	0	0	0	0	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	

TEST NUMBER: P1309451

CATALOG NUMBER: P3SQAS20R359035D010 E3SQPH1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6651.9	6651.9	6651.9	6651.9	6651.9
1°	6648.4	6648.4	6644.9	6644.9	6638.0
2°	6632.8	6634.5	6627.6	6625.8	6620.6
3°	6608.4	6603.2	6603.2	6599.7	6596.3
4°	6570.2	6559.7	6556.3	6558.0	6551.0
5°	6512.8	6511.0	6498.9	6490.2	6485.0
6°	6450.2	6438.0	6411.9	6389.3	6384.1
7°	6356.3	6330.2	6307.6	6260.6	6253.7
8°	6241.5	6199.8	6151.1	6085.0	6081.5
9°	6100.6	6032.8	5965.0	5876.3	5845.0
10°	5900.6	5838.0	5723.2	5645.0	5584.1
11°	5651.9	5573.7	5439.8	5345.9	5295.4
12°	5370.2	5297.2	5140.7	5055.4	4984.1
13°	5008.5	4947.6	4801.5	4707.6	4652.0
14°	4589.4	4544.2	4405.0	4363.3	4344.2
15°	4144.2	4112.9	4012.0	3994.6	3963.3
17.5°	3050.3	2998.1	2940.8	2951.2	2961.6
20°	1869.5	1942.5	1933.8	1972.1	2001.7
22.5°	932.1	1026.0	1135.6	1201.7	1234.7
25°	427.8	471.3	608.7	634.8	634.8
27.5°	215.6	226.1	286.9	292.2	306.1
30°	120.0	128.7	137.4	153.0	154.8
32.5°	60.9	71.3	74.8	83.5	80.0
35°	26.1	34.8	41.7	45.2	38.3
37.5°	12.2	15.7	22.6	20.9	15.7
40°	5.2	7.0	10.4	8.7	7.0
42.5°	3.5	3.5	5.2	3.5	3.5
45°	1.7	1.7	1.7	1.7	1.7
47.5°	1.7	1.7	0.0	1.7	1.7
50°	1.7	0.0	0.0	0.0	1.7
52.5°	1.7	0.0	0.0	0.0	1.7
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: P1309451

CATALOG NUMBER: P3SQAS20R359035D010 E3SQPH1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)