

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: P1309448

Luminaire Tested: P3SQAS20R359035D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309448
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: P3SQAS20R359035D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

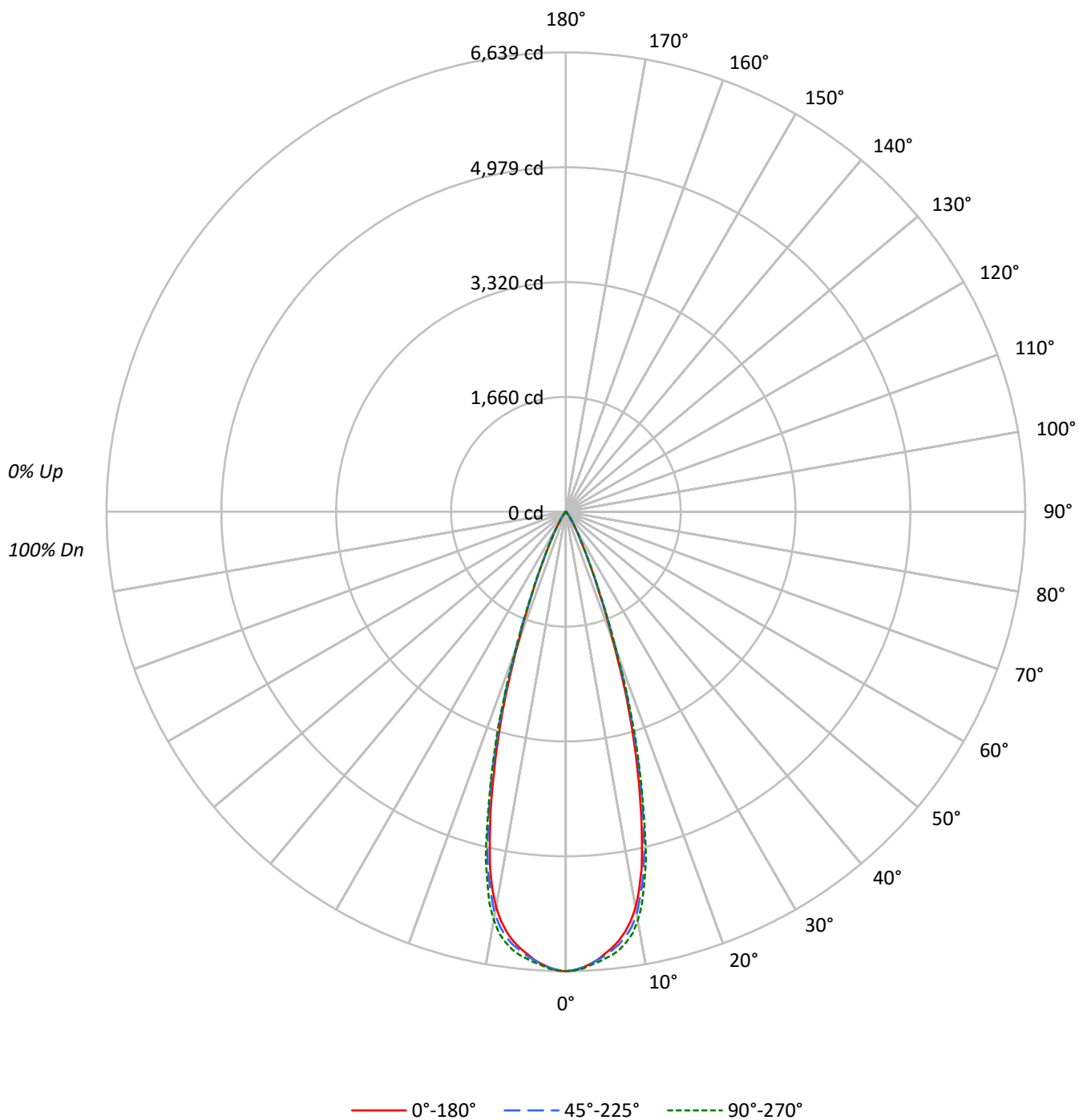
Lumens per Lamp: N/A
Luminaire Lumens: 2229.9 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1309448

CATALOG NUMBER: P3SQAS20R359035D010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1309448

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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°	1143334	1143334	1143334
5°	1109495	1113420	1120940
10°	1014913	1032558	1048385
15°	728508	755199	762955
20°	366459	387811	388782
25°	138890	143185	143850
30°	56398	64711	55364
35°	20478	31095	19763
40°	8611	13309	8206
45°	2119	5504	2119
50°	1393	2331	1393
55°	1561	1561	1561
60°	1791	1791	1791
65°	1426	1426	1426
70°	856	856	856
75°	1131	1131	1131
80°	1686	1686	1686
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 5504 cd/sqm

TEST NUMBER: P1309448

CATALOG NUMBER: P3SQAS20R359035D010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	600.2	26.9
10°-20°	1118.2	50.1
20°-30°	402.2	18.0
30°-40°	84.5	3.8
40°-50°	14.5	0.7
50°-60°	4.8	0.2
60°-70°	3.4	0.2
70°-80°	1.8	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°	2120.6	95.1
0°-40°	2205.1	98.9
0°-60°	2224.4	99.8
0°-90°	2229.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2229.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6639	6639	6639	6639	6639	
5°	6418	6430	6440	6484	6484	595
15°	4086	4157	4236	4281	4279	1087
25°	731	741	754	760	757	389
35°	97	115	148	113	94	74
45°	9	14	23	14	9	10
55°	5	5	5	5	5	5
65°	4	4	4	4	4	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

TEST NUMBER: P1309448

CATALOG NUMBER: P3SQAS20R359035D010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6638.7	6638.7	6638.7	6638.7	6638.7
1°	6635.3	6635.3	6621.3	6637.0	6631.8
2°	6598.7	6602.2	6593.5	6612.6	6610.9
3°	6548.3	6557.0	6550.0	6577.8	6569.1
4°	6494.3	6501.3	6497.8	6532.6	6529.1
5°	6417.7	6429.9	6440.4	6483.9	6483.9
6°	6339.4	6351.6	6374.2	6421.2	6436.9
7°	6248.9	6264.6	6301.1	6363.8	6374.2
8°	6134.1	6151.5	6202.0	6269.8	6283.7
9°	5991.4	6017.5	6074.9	6156.7	6165.4
10°	5803.5	5824.3	5904.4	5972.3	5994.9
11°	5559.8	5577.2	5648.6	5758.2	5772.1
12°	5264.0	5284.9	5377.1	5448.5	5462.4
13°	4889.9	4929.9	5041.3	5110.9	5149.2
14°	4505.3	4559.2	4639.3	4738.5	4714.1
15°	4085.9	4157.3	4235.6	4280.8	4279.1
17.5°	3057.5	3099.2	3168.8	3194.9	3229.8
20°	1999.5	2053.4	2116.0	2140.4	2121.3
22.5°	1240.7	1254.7	1273.8	1284.2	1280.8
25°	730.9	741.3	753.5	760.5	757.0
27.5°	440.3	464.6	482.0	461.1	449.0
30°	283.6	294.1	325.4	297.6	278.4
32.5°	168.8	193.2	219.3	186.2	161.8
35°	97.4	114.9	147.9	113.1	94.0
37.5°	62.6	71.3	95.7	69.6	60.9
40°	38.3	48.7	59.2	45.2	36.5
42.5°	19.1	29.6	34.8	26.1	19.1
45°	8.7	13.9	22.6	13.9	8.7
47.5°	5.2	7.0	13.9	7.0	5.2
50°	5.2	5.2	8.7	5.2	5.2
52.5°	5.2	5.2	5.2	5.2	5.2
55°	5.2	5.2	5.2	5.2	5.2
57.5°	5.2	5.2	5.2	5.2	5.2
60°	5.2	5.2	5.2	5.2	5.2
62.5°	3.5	3.5	3.5	3.5	3.5
65°	3.5	3.5	3.5	3.5	3.5
67.5°	3.5	3.5	3.5	3.5	3.5
70°	1.7	1.7	1.7	1.7	1.7
72.5°	1.7	1.7	1.7	1.7	1.7
75°	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7
80°	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	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: P1309448

CATALOG NUMBER: P3SQAS20R359035D010 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)