

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: P1311646

Luminaire Tested: P3SQAS20R359050D010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311646
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: P3SQAS20R359050D010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

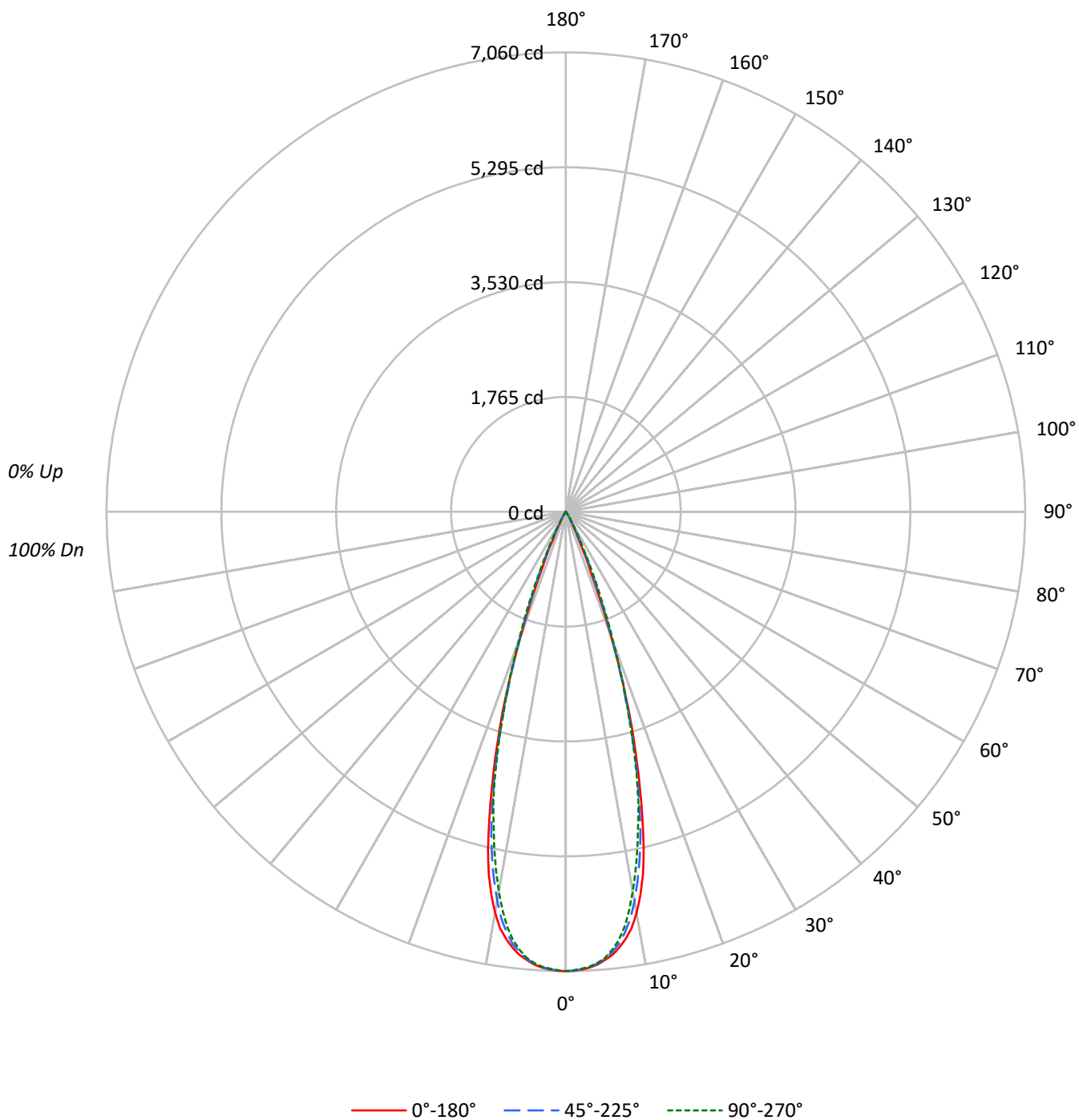
Lumens per Lamp: N/A
Luminaire Lumens: 2143.0 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1311646

CATALOG NUMBER: P3SQAS20R359050D010 E3SQPH1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1311646

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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	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°	1215961	1215961	1215961
5°	1195088	1192530	1189971
10°	1095270	1062358	1036528
15°	784279	759264	750046
20°	363674	376191	389387
25°	86291	122776	128021
30°	25335	28995	32674
35°	5824	9314	8536
40°	1237	2496	1664
45°	438	438	438
50°	482	0	482
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: 509 cd/sqm

TEST NUMBER: P1311646

CATALOG NUMBER: P3SQAS20R359050D010 E3SQPH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	633.9	29.6
10°-20°	1133.2	52.9
20°-30°	340.9	15.9
30°-40°	32.6	1.5
40°-50°	2.2	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°	2108.0	98.4
0°-40°	2140.6	99.9
0°-60°	2143.0	100.0
0°-90°	2143.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2143.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7060	7060	7060	7060	7060	
5°	6913	6911	6898	6889	6883	641
15°	4399	4366	4258	4240	4207	1162
25°	454	500	646	674	674	292
35°	28	37	44	48	41	26
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	

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CATALOG NUMBER: P3SQAS20R359050D010 E3SQPH1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7060.4	7060.4	7060.4	7060.4	7060.4
1°	7056.8	7056.8	7053.1	7053.1	7045.7
2°	7040.1	7042.0	7034.6	7032.8	7027.2
3°	7014.3	7008.8	7008.8	7005.1	7001.4
4°	6973.7	6962.6	6958.9	6960.8	6953.4
5°	6912.8	6910.9	6898.0	6888.8	6883.2
6°	6846.3	6833.4	6805.7	6781.7	6776.2
7°	6746.6	6719.0	6695.0	6645.1	6637.7
8°	6624.8	6580.5	6528.8	6458.7	6455.0
9°	6475.3	6403.3	6331.3	6237.2	6204.0
10°	6263.0	6196.6	6074.8	5991.7	5927.1
11°	5999.1	5916.0	5773.9	5674.2	5620.7
12°	5700.0	5622.5	5456.4	5365.9	5290.3
13°	5316.1	5251.5	5096.4	4996.8	4937.7
14°	4871.2	4823.3	4675.6	4631.3	4611.0
15°	4398.7	4365.5	4258.4	4240.0	4206.7
17.5°	3237.7	3182.3	3121.4	3132.4	3143.5
20°	1984.3	2061.8	2052.6	2093.2	2124.6
22.5°	989.4	1089.1	1205.4	1275.5	1310.6
25°	454.1	500.2	646.1	673.7	673.7
27.5°	228.9	240.0	304.6	310.1	324.9
30°	127.4	136.6	145.8	162.4	164.3
32.5°	64.6	75.7	79.4	88.6	84.9
35°	27.7	36.9	44.3	48.0	40.6
37.5°	12.9	16.6	24.0	22.2	16.6
40°	5.5	7.4	11.1	9.2	7.4
42.5°	3.7	3.7	5.5	3.7	3.7
45°	1.8	1.8	1.8	1.8	1.8
47.5°	1.8	1.8	0.0	1.8	1.8
50°	1.8	0.0	0.0	0.0	1.8
52.5°	1.8	0.0	0.0	0.0	1.8
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: P1311646

CATALOG NUMBER: P3SQAS20R359050D010 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)