

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: P1309456

Luminaire Tested: P3SQAS20R359035D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309456
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359035D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

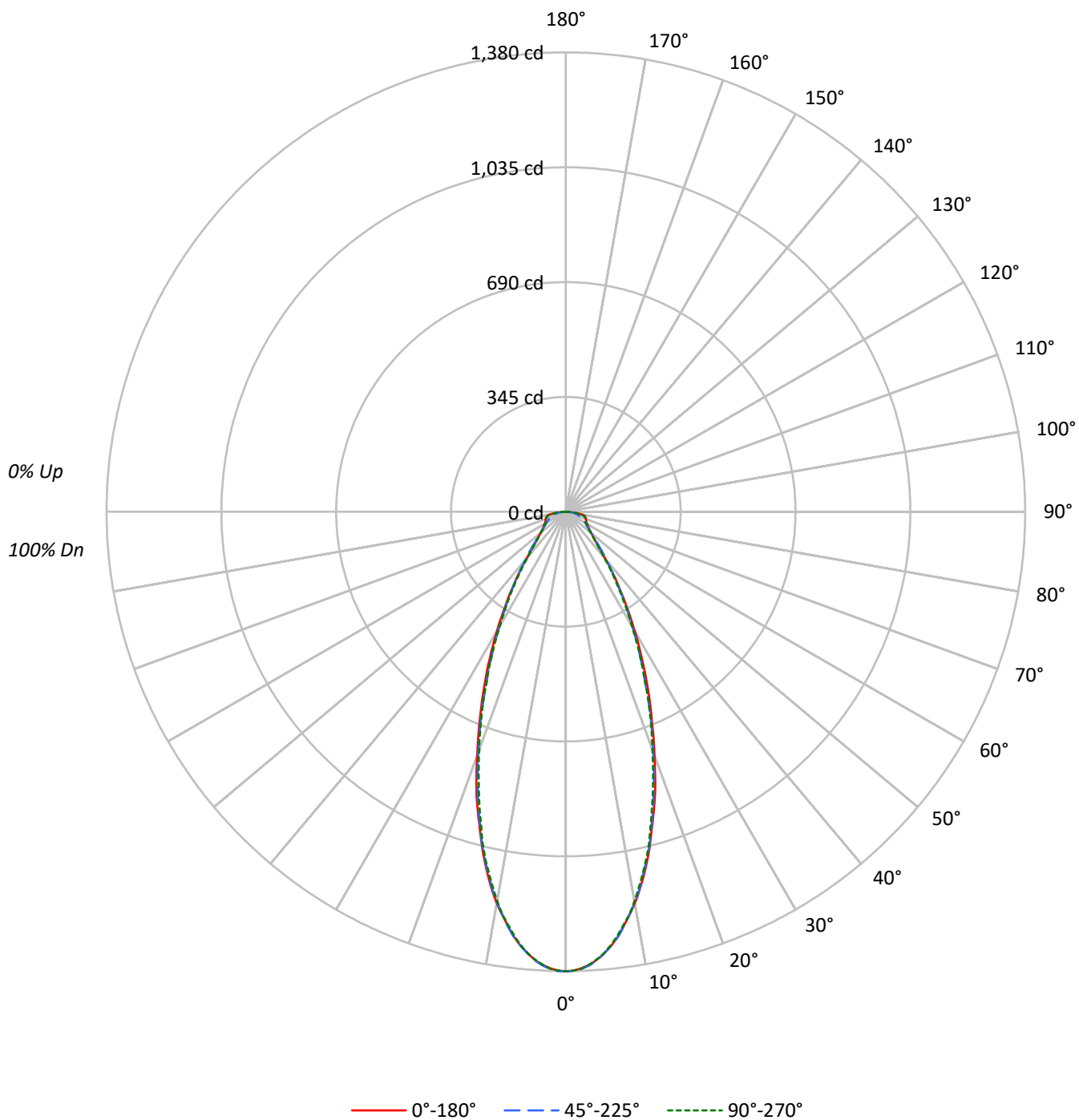
Lumens per Lamp: N/A
Luminaire Lumens: 1142.0 lumens
Efficiency: N/A
Efficacy: 39.7 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	101	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	84	75	69	64	73	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	58		67	62	58		66
7	77	66	60	55	76	66	59	54	64	58	54		63	58	54		62
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	237719	237719	237719
5°	229914	230208	229914
10°	208859	208544	207634
15°	177300	176675	175124
20°	142735	140829	139546
25°	110329	107023	107023
30°	82271	79506	78830
35°	59205	58469	57018
40°	41434	42604	39861
45°	30908	32613	30055
50°	26552	26552	26070
55°	25042	24021	24531
60°	25765	23353	24559
65°	27629	23391	26937
70°	32378	24523	31522
75°	40457	25419	39326
80°	51771	27572	46515
85°	41299	27467	41299

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 51771 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.6	10.7
10°-20°	273.6	24.0
20°-30°	261.3	22.9
30°-40°	175.5	15.4
40°-50°	103.0	9.0
50°-60°	73.7	6.5
60°-70°	61.4	5.4
70°-80°	50.3	4.4
80°-90°	20.7	1.8
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°	657.5	57.6
0°-40°	833.0	72.9
0°-60°	1009.7	88.4
0°-90°	1142.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1142.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1380	1380	1380	1380	1380	
5°	1330	1333	1332	1330	1330	123
15°	994	996	991	984	982	276
25°	581	574	563	563	563	266
35°	282	282	278	273	271	178
45°	127	130	134	127	123	102
55°	83	82	80	80	82	76
65°	68	61	57	61	66	68
75°	61	47	38	47	59	63
85°	21	23	14	23	21	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1380.3	1380.3	1380.3	1380.3	1380.3
1°	1378.5	1380.3	1380.3	1378.5	1378.5
2°	1371.6	1375.1	1373.3	1371.6	1373.3
3°	1362.9	1366.4	1364.6	1362.9	1361.2
4°	1349.0	1352.5	1350.7	1347.2	1347.2
5°	1329.9	1333.3	1331.6	1329.9	1329.9
6°	1310.7	1314.2	1310.7	1307.3	1307.3
7°	1284.7	1289.9	1286.4	1282.9	1281.2
8°	1255.1	1260.3	1256.9	1255.1	1251.6
9°	1225.6	1229.0	1223.8	1223.8	1223.8
10°	1194.3	1196.0	1192.5	1187.3	1187.3
11°	1159.5	1157.8	1156.0	1152.5	1149.1
12°	1121.3	1121.3	1116.0	1112.6	1110.8
13°	1081.3	1079.5	1076.1	1072.6	1072.6
14°	1039.6	1039.6	1036.1	1029.1	1030.9
15°	994.4	996.1	990.9	983.9	982.2
17.5°	891.8	888.3	879.6	874.4	869.2
20°	778.8	777.1	768.4	763.2	761.4
22.5°	674.5	672.8	664.1	658.8	662.3
25°	580.6	573.7	563.2	563.2	563.2
27.5°	493.7	485.0	478.1	474.6	478.1
30°	413.7	406.8	399.8	398.1	396.4
32.5°	342.5	339.0	335.5	330.3	330.3
35°	281.6	281.6	278.1	272.9	271.2
37.5°	229.5	231.2	229.5	224.3	222.5
40°	184.3	187.7	189.5	184.3	177.3
42.5°	151.2	156.5	159.9	151.2	146.0
45°	126.9	130.4	133.9	126.9	123.4
47.5°	111.3	113.0	114.7	109.5	107.8
50°	99.1	99.1	99.1	97.3	97.3
52.5°	90.4	90.4	88.7	86.9	86.9
55°	83.4	81.7	80.0	80.0	81.7
57.5°	78.2	76.5	73.0	74.8	76.5
60°	74.8	71.3	67.8	69.5	71.3
62.5°	69.5	66.1	62.6	64.3	67.8
65°	67.8	60.8	57.4	60.8	66.1
67.5°	66.1	57.4	52.2	57.4	64.3
70°	64.3	53.9	48.7	53.9	62.6
72.5°	62.6	50.4	43.5	50.4	60.8
75°	60.8	46.9	38.2	46.9	59.1
77.5°	57.4	43.5	33.0	43.5	53.9
80°	52.2	40.0	27.8	38.2	46.9
82.5°	38.2	33.0	22.6	33.0	34.8
85°	20.9	22.6	13.9	22.6	20.9
87.5°	1.7	3.5	3.5	10.4	7.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)