

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: P1308338

Luminaire Tested: P3SQAS20R359030D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308338
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: P3SQAS20R359030D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

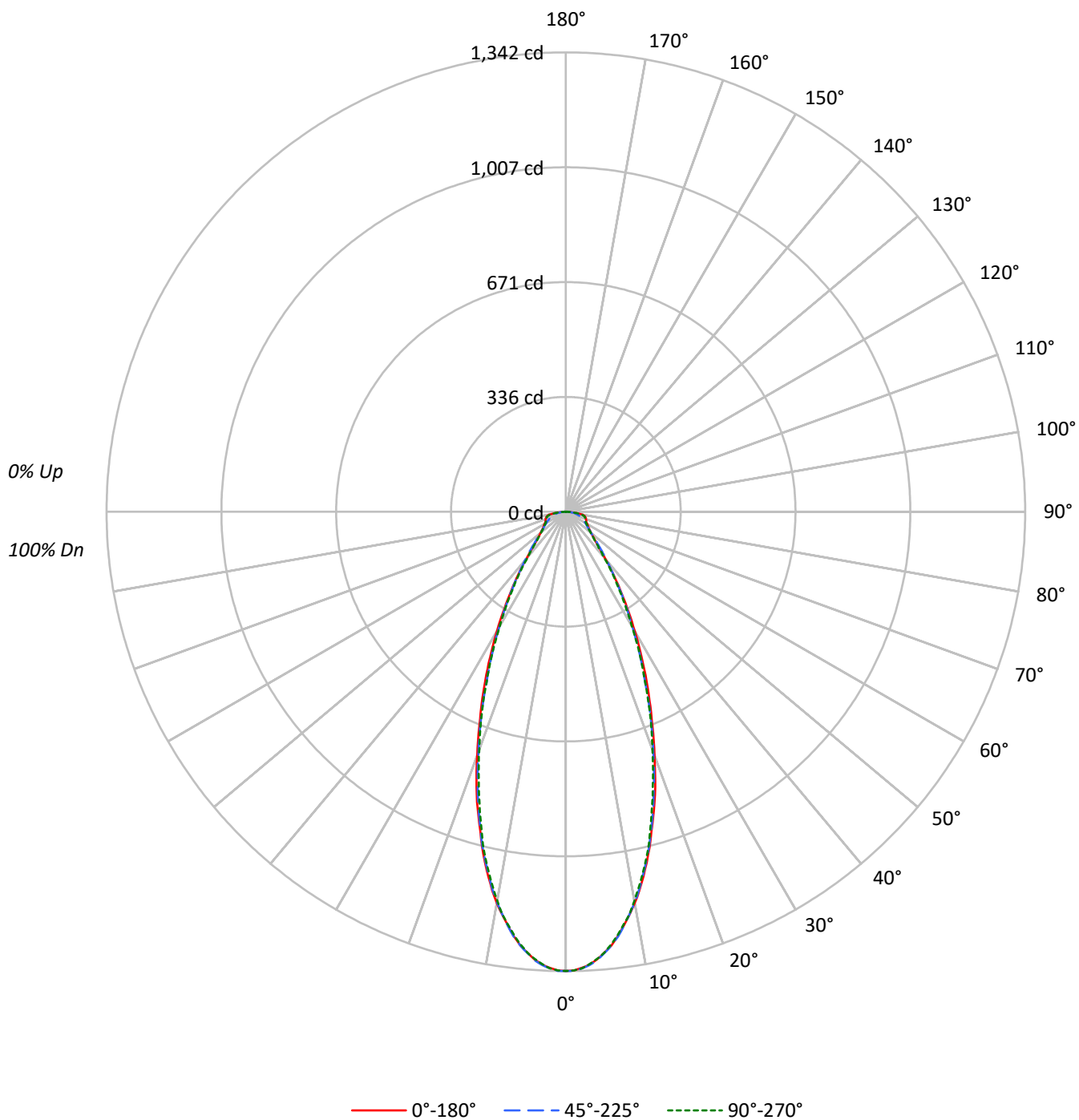
Lumens per Lamp: N/A
Luminaire Lumens: 1110.0 lumens
Efficiency: N/A
Efficacy: 38.5 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	231054	231054	231054
5°	223465	223759	223465
10°	203000	202703	201811
15°	172325	171719	170221
20°	138740	136870	135642
25°	107251	104040	104040
30°	79964	77279	76603
35°	57544	56829	55421
40°	40265	41412	38737
45°	30031	31687	29227
50°	25802	25802	25346
55°	24351	23330	23841
60°	25041	22699	23870
65°	26855	22739	26162
70°	31472	23818	30616
75°	39326	24754	38195
80°	50284	26778	45226
85°	40113	26676	40113

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 50284 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.2	10.7
10°-20°	265.9	24.0
20°-30°	254.0	22.9
30°-40°	170.6	15.4
40°-50°	100.1	9.0
50°-60°	71.6	6.5
60°-70°	59.6	5.4
70°-80°	48.9	4.4
80°-90°	20.1	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°	639.0	57.6
0°-40°	809.6	72.9
0°-60°	981.4	88.4
0°-90°	1110.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1110.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1342	1342	1342	1342	1342	
5°	1293	1296	1294	1293	1293	119
15°	966	968	963	956	955	268
25°	564	558	548	548	548	259
35°	274	274	270	265	264	173
45°	123	127	130	123	120	99
55°	81	79	78	78	79	74
65°	66	59	56	59	64	66
75°	59	46	37	46	57	61
85°	20	22	14	22	20	23
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1341.6	1341.6	1341.6	1341.6	1341.6
1°	1339.9	1341.6	1341.6	1339.9	1339.9
2°	1333.2	1336.5	1334.8	1333.2	1334.8
3°	1324.7	1328.1	1326.4	1324.7	1323.0
4°	1311.2	1314.6	1312.9	1309.5	1309.5
5°	1292.6	1296.0	1294.3	1292.6	1292.6
6°	1274.0	1277.4	1274.0	1270.6	1270.6
7°	1248.7	1253.7	1250.4	1247.0	1245.3
8°	1219.9	1225.0	1221.6	1219.9	1216.6
9°	1191.2	1194.6	1189.5	1189.5	1189.5
10°	1160.8	1162.5	1159.1	1154.0	1154.0
11°	1127.0	1125.3	1123.6	1120.3	1116.9
12°	1089.8	1089.8	1084.8	1081.4	1079.7
13°	1051.0	1049.3	1045.9	1042.5	1042.5
14°	1010.4	1010.4	1007.0	1000.3	1002.0
15°	966.5	968.2	963.1	956.4	954.7
17.5°	866.8	863.4	855.0	849.9	844.8
20°	757.0	755.3	746.8	741.8	740.1
22.5°	655.6	653.9	645.5	640.4	643.8
25°	564.4	557.6	547.5	547.5	547.5
27.5°	479.9	471.4	464.7	461.3	464.7
30°	402.1	395.4	388.6	386.9	385.2
32.5°	332.9	329.5	326.1	321.0	321.0
35°	273.7	273.7	270.3	265.3	263.6
37.5°	223.0	224.7	223.0	218.0	216.3
40°	179.1	182.5	184.2	179.1	172.3
42.5°	147.0	152.1	155.5	147.0	141.9
45°	123.3	126.7	130.1	123.3	120.0
47.5°	108.1	109.8	111.5	106.4	104.8
50°	96.3	96.3	96.3	94.6	94.6
52.5°	87.9	87.9	86.2	84.5	84.5
55°	81.1	79.4	77.7	77.7	79.4
57.5°	76.0	74.3	71.0	72.7	74.3
60°	72.7	69.3	65.9	67.6	69.3
62.5°	67.6	64.2	60.8	62.5	65.9
65°	65.9	59.1	55.8	59.1	64.2
67.5°	64.2	55.8	50.7	55.8	62.5
70°	62.5	52.4	47.3	52.4	60.8
72.5°	60.8	49.0	42.2	49.0	59.1
75°	59.1	45.6	37.2	45.6	57.4
77.5°	55.8	42.2	32.1	42.2	52.4
80°	50.7	38.9	27.0	37.2	45.6
82.5°	37.2	32.1	22.0	32.1	33.8
85°	20.3	22.0	13.5	22.0	20.3
87.5°	1.7	3.4	3.4	10.1	6.8



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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)