

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: P1309439

Luminaire Tested: P3SQAS20R309035D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309439
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R309035D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

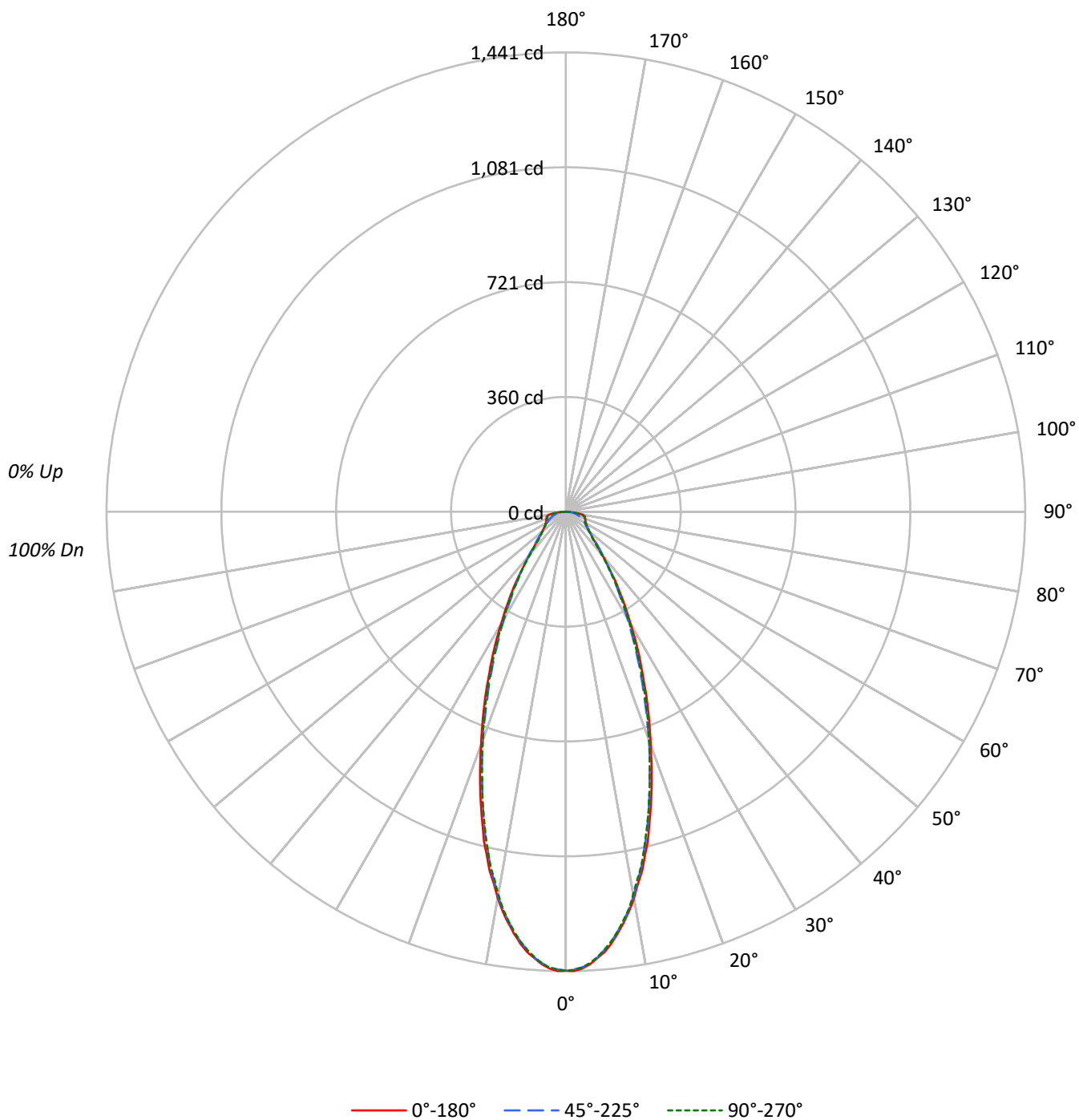
Lumens per Lamp: N/A
Luminaire Lumens: 1135.0 lumens
Efficiency: N/A
Efficacy: 39.4 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	102	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	59		67	62	58		66
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	247880	247880	247880
5°	239803	238610	238610
10°	215224	214017	213091
15°	180384	177585	177282
20°	142405	139546	139546
25°	108999	104705	106700
30°	80899	76742	78472
35°	58469	55925	56283
40°	40243	41030	39074
45°	30055	31322	28789
50°	26070	25614	25614
55°	24531	23480	24021
60°	25145	23353	24559
65°	27629	23391	26937
70°	32378	23616	31522
75°	41655	25419	40457
80°	51672	27572	48300
85°	41299	27467	37742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 51672 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.9	11.2
10°-20°	276.0	24.3
20°-30°	257.1	22.7
30°-40°	170.6	15.0
40°-50°	99.3	8.8
50°-60°	72.3	6.4
60°-70°	61.1	5.4
70°-80°	50.6	4.5
80°-90°	21.0	1.9
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°	660.0	58.2
0°-40°	830.6	73.2
0°-60°	1002.3	88.3
0°-90°	1135.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1135.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1439	1439	1439	1439	1439	
5°	1387	1385	1380	1380	1380	127
15°	1012	1001	996	994	994	280
25°	574	563	551	553	562	264
35°	278	273	266	268	268	175
45°	123	125	129	122	118	99
55°	82	80	78	80	80	74
65°	68	61	57	61	66	67
75°	63	47	38	47	61	64
85°	21	24	14	23	19	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1439.3	1439.3	1439.3	1439.3	1439.3
1°	1441.0	1439.3	1435.8	1437.6	1437.6
2°	1434.1	1432.3	1430.6	1430.6	1430.6
3°	1421.9	1420.2	1418.4	1418.4	1418.4
4°	1404.5	1402.8	1402.8	1401.1	1401.1
5°	1387.1	1385.4	1380.2	1380.2	1380.2
6°	1362.8	1361.1	1357.6	1355.9	1355.9
7°	1333.3	1333.3	1328.0	1326.3	1328.0
8°	1302.0	1300.2	1296.8	1295.0	1295.0
9°	1268.9	1263.7	1263.7	1258.5	1262.0
10°	1230.7	1227.2	1223.8	1220.3	1218.5
11°	1187.2	1185.5	1180.3	1176.8	1175.1
12°	1150.7	1142.1	1138.6	1133.4	1136.8
13°	1103.8	1098.6	1089.9	1088.2	1089.9
14°	1063.8	1053.4	1046.4	1043.0	1041.2
15°	1011.7	1001.3	996.0	994.3	994.3
17.5°	895.2	888.3	874.4	874.4	874.4
20°	777.0	770.1	761.4	759.6	761.4
22.5°	674.5	662.3	648.4	650.1	660.5
25°	573.6	563.2	551.0	552.8	561.5
27.5°	488.5	474.6	462.4	465.9	471.1
30°	406.8	398.1	385.9	389.4	394.6
32.5°	337.2	332.0	318.1	321.6	326.8
35°	278.1	272.9	266.0	267.7	267.7
37.5°	222.5	222.5	220.8	219.0	217.3
40°	179.0	182.5	182.5	177.3	173.8
42.5°	146.0	149.5	153.0	146.0	140.8
45°	123.4	125.2	128.6	121.7	118.2
47.5°	107.8	107.8	111.3	106.0	104.3
50°	97.3	97.3	95.6	93.9	95.6
52.5°	88.7	86.9	85.2	86.9	86.9
55°	81.7	80.0	78.2	80.0	80.0
57.5°	76.5	74.7	73.0	73.0	74.7
60°	73.0	69.5	67.8	69.5	71.3
62.5°	69.5	64.3	62.6	64.3	67.8
65°	67.8	60.8	57.4	60.8	66.1
67.5°	66.1	57.4	52.1	57.4	64.3
70°	64.3	53.9	46.9	53.9	62.6
72.5°	62.6	50.4	43.5	50.4	62.6
75°	62.6	46.9	38.2	46.9	60.8
77.5°	59.1	43.5	33.0	43.5	57.4
80°	52.1	40.0	27.8	38.2	48.7
82.5°	38.2	34.8	20.9	33.0	36.5
85°	20.9	24.3	13.9	22.6	19.1
87.5°	3.5	5.2	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)