

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: P1316561

Luminaire Tested: P3SQAS20R359827D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316561
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: P3SQAS20R359827D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

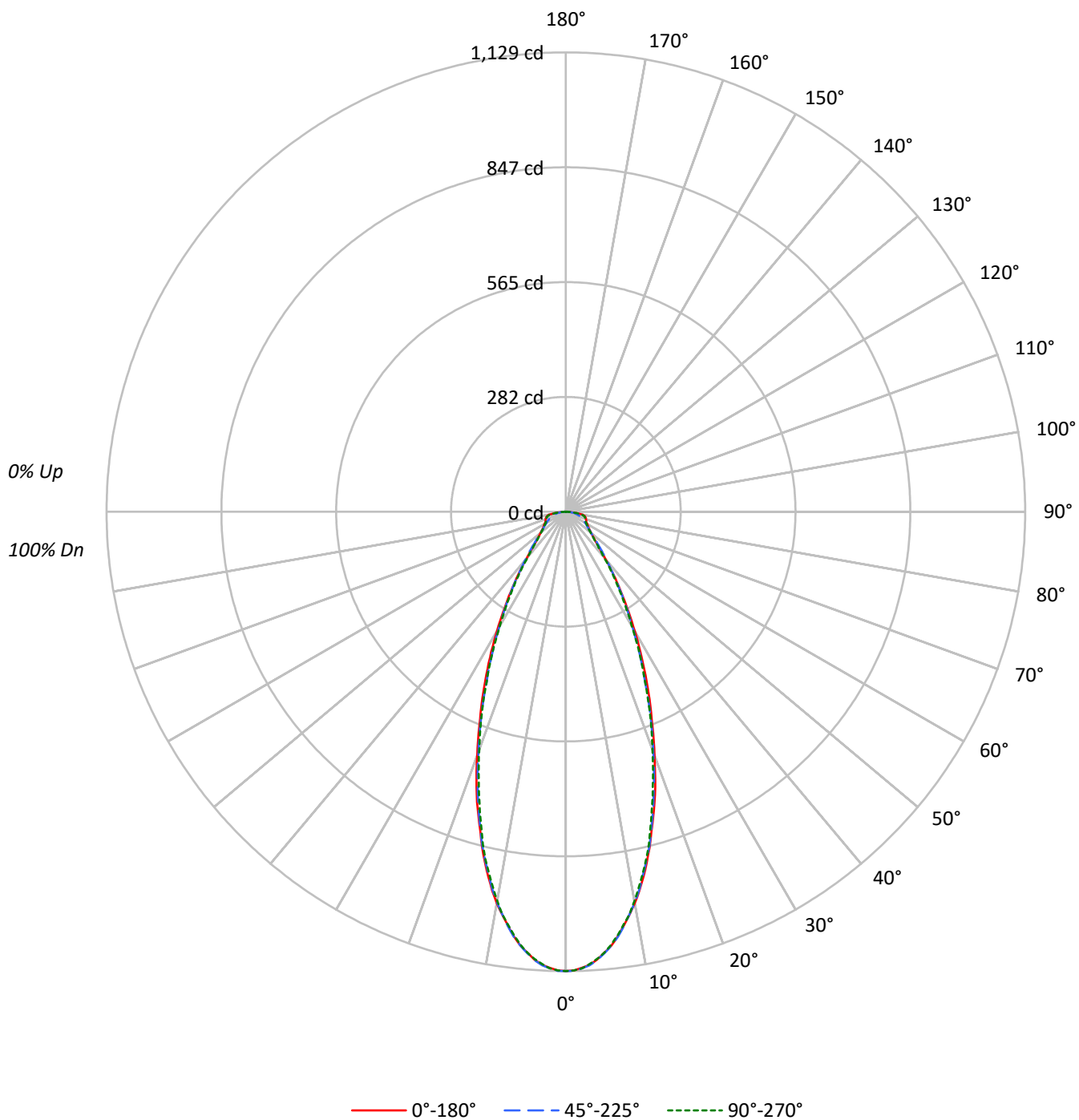
Lumens per Lamp: N/A
Luminaire Lumens: 934.0 lumens
Efficiency: N/A
Efficacy: 34.1 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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°	194422	194422	194422
5°	188025	188284	188025
10°	170822	170560	169825
15°	144992	144493	143227
20°	116728	115170	114126
25°	90244	87545	87545
30°	67296	65029	64472
35°	48419	47831	46632
40°	33880	34847	32599
45°	25281	26670	24575
50°	21702	21702	21327
55°	20478	19637	20057
60°	21046	19082	20081
65°	22576	19112	22006
70°	26486	20041	25782
75°	33138	20828	32140
80°	42349	22514	38085
85°	33790	22527	33790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 42349 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.3	10.7
10°-20°	223.8	24.0
20°-30°	213.7	22.9
30°-40°	143.5	15.4
40°-50°	84.3	9.0
50°-60°	60.2	6.5
60°-70°	50.2	5.4
70°-80°	41.1	4.4
80°-90°	16.9	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°	537.7	57.6
0°-40°	681.2	72.9
0°-60°	825.7	88.4
0°-90°	934.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	934.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1129	1129	1129	1129	1129	
5°	1088	1090	1089	1088	1088	100
15°	813	815	810	805	803	225
25°	475	469	461	461	461	218
35°	230	230	228	223	222	146
45°	104	107	110	104	101	83
55°	68	67	65	65	67	62
65°	55	50	47	50	54	55
75°	50	38	31	38	48	52
85°	17	18	11	18	17	19
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1128.9	1128.9	1128.9	1128.9	1128.9
1°	1127.5	1128.9	1128.9	1127.5	1127.5
2°	1121.8	1124.6	1123.2	1121.8	1123.2
3°	1114.7	1117.5	1116.1	1114.7	1113.2
4°	1103.3	1106.1	1104.7	1101.9	1101.9
5°	1087.6	1090.5	1089.1	1087.6	1087.6
6°	1072.0	1074.9	1072.0	1069.2	1069.2
7°	1050.7	1054.9	1052.1	1049.3	1047.8
8°	1026.5	1030.8	1027.9	1026.5	1023.7
9°	1002.3	1005.2	1000.9	1000.9	1000.9
10°	976.8	978.2	975.3	971.1	971.1
11°	948.3	946.9	945.5	942.6	939.8
12°	917.0	917.0	912.8	909.9	908.5
13°	884.3	882.9	880.1	877.2	877.2
14°	850.2	850.2	847.4	841.7	843.1
15°	813.2	814.7	810.4	804.7	803.3
17.5°	729.4	726.5	719.4	715.1	710.9
20°	636.9	635.5	628.4	624.2	622.7
22.5°	551.6	550.2	543.1	538.8	541.7
25°	474.9	469.2	460.7	460.7	460.7
27.5°	403.8	396.7	391.0	388.1	391.0
30°	338.4	332.7	327.0	325.6	324.2
32.5°	280.1	277.2	274.4	270.1	270.1
35°	230.3	230.3	227.5	223.2	221.8
37.5°	187.7	189.1	187.7	183.4	182.0
40°	150.7	153.6	155.0	150.7	145.0
42.5°	123.7	128.0	130.8	123.7	119.4
45°	103.8	106.6	109.5	103.8	100.9
47.5°	91.0	92.4	93.8	89.6	88.1
50°	81.0	81.0	81.0	79.6	79.6
52.5°	73.9	73.9	72.5	71.1	71.1
55°	68.2	66.8	65.4	65.4	66.8
57.5°	64.0	62.6	59.7	61.1	62.6
60°	61.1	58.3	55.4	56.9	58.3
62.5°	56.9	54.0	51.2	52.6	55.4
65°	55.4	49.8	46.9	49.8	54.0
67.5°	54.0	46.9	42.7	46.9	52.6
70°	52.6	44.1	39.8	44.1	51.2
72.5°	51.2	41.2	35.5	41.2	49.8
75°	49.8	38.4	31.3	38.4	48.3
77.5°	46.9	35.5	27.0	35.5	44.1
80°	42.7	32.7	22.7	31.3	38.4
82.5°	31.3	27.0	18.5	27.0	28.4
85°	17.1	18.5	11.4	18.5	17.1
87.5°	1.4	2.8	2.8	8.5	5.7



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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)