

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: P1308272

Luminaire Tested: P3SQAS20R159030D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308272
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R159030D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

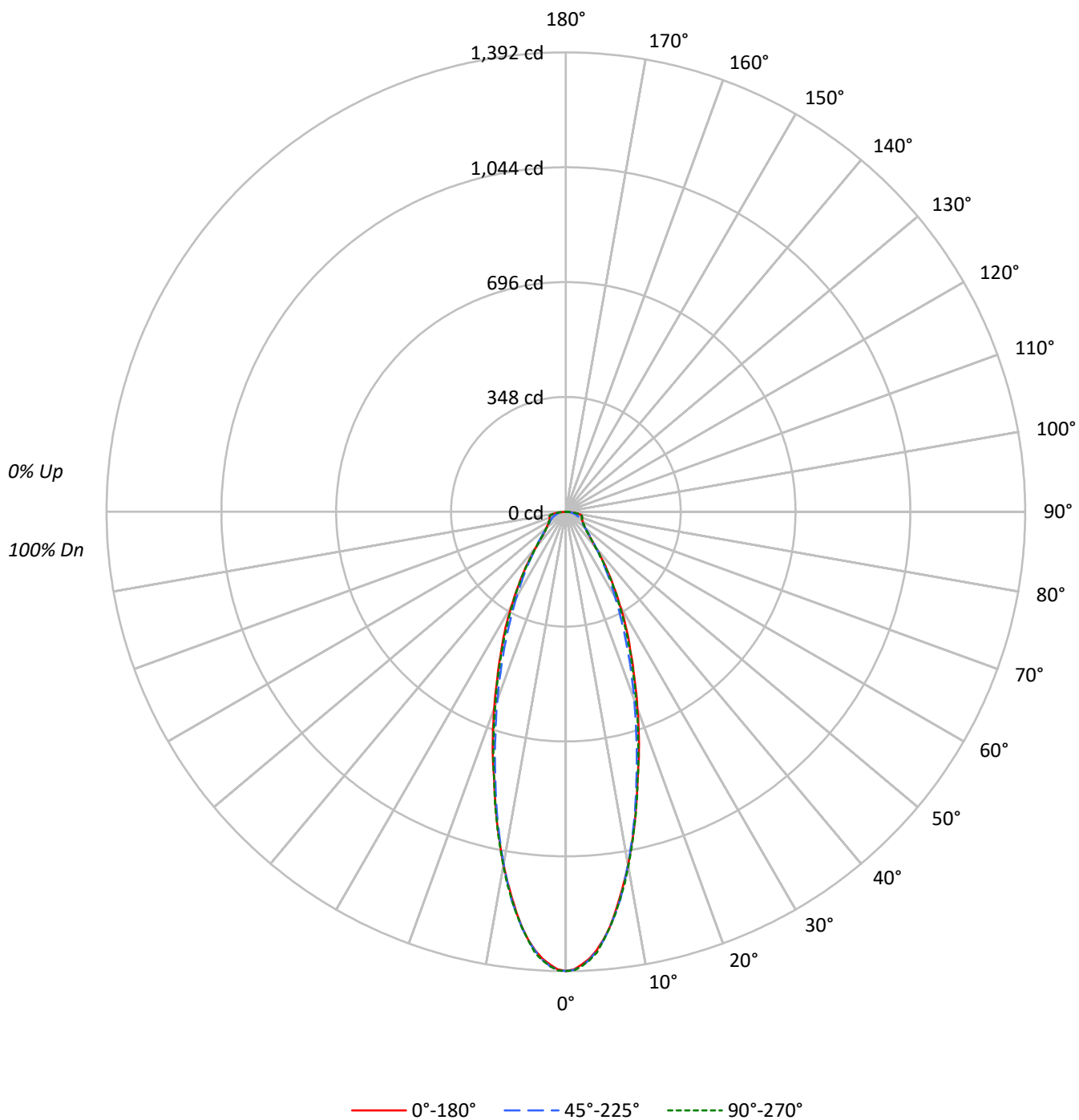
Lumens per Lamp: N/A
Luminaire Lumens: 933.0 lumens
Efficiency: N/A
Efficacy: 32.4 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	108	104	101	109	105	102	100	101	99	96		97	95	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	98	90	84	79	96	88	83	78	86	81	77		83	79	76		81
4	92	83	76	71	90	82	76	71	80	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	69	64		72	68	64		71
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67
7	78	68	61	56	77	67	60	56	66	60	56		64	59	55		63
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	71	60	54	49	70	60	53	49	59	53	49		58	53	49		57
10	68	57	51	47	67	57	51	47	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	239699	239699	239699
5°	225108	225402	225402
10°	190164	189569	190741
15°	149556	147435	149859
20°	116233	110955	114675
25°	87735	81616	86443
30°	65248	59520	63896
35°	46569	43374	45854
40°	31565	31947	31183
45°	23479	24721	23479
50°	20390	20390	20390
55°	19817	18796	19817
60°	20391	18634	19806
65°	22046	19316	22046
70°	26386	19588	26386
75°	33737	20229	33737
80°	41953	21819	40267
85°	33395	19958	36754

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 41953 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.4	12.6
10°-20°	232.0	24.9
20°-30°	205.1	22.0
30°-40°	134.7	14.4
40°-50°	78.7	8.4
50°-60°	58.0	6.2
60°-70°	49.4	5.3
70°-80°	40.7	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°	554.5	59.4
0°-40°	689.3	73.9
0°-60°	826.0	88.5
0°-90°	933.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	933.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1392	1392	1392	1392	1392	
5°	1302	1302	1304	1306	1304	117
15°	839	839	827	837	840	234
25°	462	446	430	441	455	213
35°	222	213	206	211	218	140
45°	96	98	102	98	96	78
55°	66	64	63	64	66	59
65°	54	49	47	49	54	54
75°	51	37	30	39	51	52
85°	17	19	10	17	19	19
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1391.8	1391.8	1391.8	1391.8	1391.8
1°	1386.7	1388.4	1388.4	1390.1	1390.1
2°	1373.2	1376.5	1378.2	1378.2	1378.2
3°	1356.2	1357.9	1359.6	1361.3	1361.3
4°	1332.6	1334.3	1334.3	1337.6	1339.3
5°	1302.1	1302.1	1303.8	1305.5	1303.8
6°	1266.6	1266.6	1268.3	1268.3	1268.3
7°	1224.3	1226.0	1227.7	1229.4	1227.7
8°	1178.7	1180.4	1185.4	1185.4	1183.8
9°	1133.0	1134.7	1134.7	1139.8	1139.8
10°	1087.4	1087.4	1084.0	1087.4	1090.7
12.5°	963.9	962.2	957.1	962.2	965.6
15°	838.8	838.8	826.9	837.1	840.5
17.5°	737.3	722.1	710.3	720.4	728.9
20°	634.2	618.9	605.4	615.6	625.7
22.5°	541.1	529.3	512.4	522.5	534.4
25°	461.7	446.4	429.5	441.4	454.9
27.5°	395.7	375.4	358.5	372.0	383.9
30°	328.1	314.5	299.3	309.5	321.3
32.5°	270.6	260.4	248.6	257.0	267.2
35°	221.5	213.1	206.3	211.4	218.1
37.5°	177.6	174.2	170.8	172.5	172.5
40°	140.4	142.1	142.1	142.1	138.7
42.5°	115.0	116.7	120.1	116.7	115.0
45°	96.4	98.1	101.5	98.1	96.4
47.5°	84.6	86.2	87.9	84.6	84.6
50°	76.1	76.1	76.1	76.1	76.1
52.5°	71.0	69.3	69.3	69.3	71.0
55°	66.0	64.3	62.6	64.3	66.0
57.5°	60.9	59.2	57.5	59.2	60.9
60°	59.2	55.8	54.1	55.8	57.5
62.5°	55.8	52.4	50.7	52.4	55.8
65°	54.1	49.0	47.4	49.0	54.1
67.5°	52.4	45.7	42.3	45.7	52.4
70°	52.4	42.3	38.9	44.0	52.4
72.5°	50.7	40.6	33.8	40.6	50.7
75°	50.7	37.2	30.4	38.9	50.7
77.5°	47.4	33.8	25.4	35.5	47.4
80°	42.3	30.4	22.0	32.1	40.6
82.5°	30.4	25.4	16.9	25.4	30.4
85°	16.9	18.6	10.1	16.9	18.6
87.5°	1.7	5.1	3.4	10.1	8.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)