

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: P1314375

Luminaire Tested: P3SQAS13R259735DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314375
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R259735DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

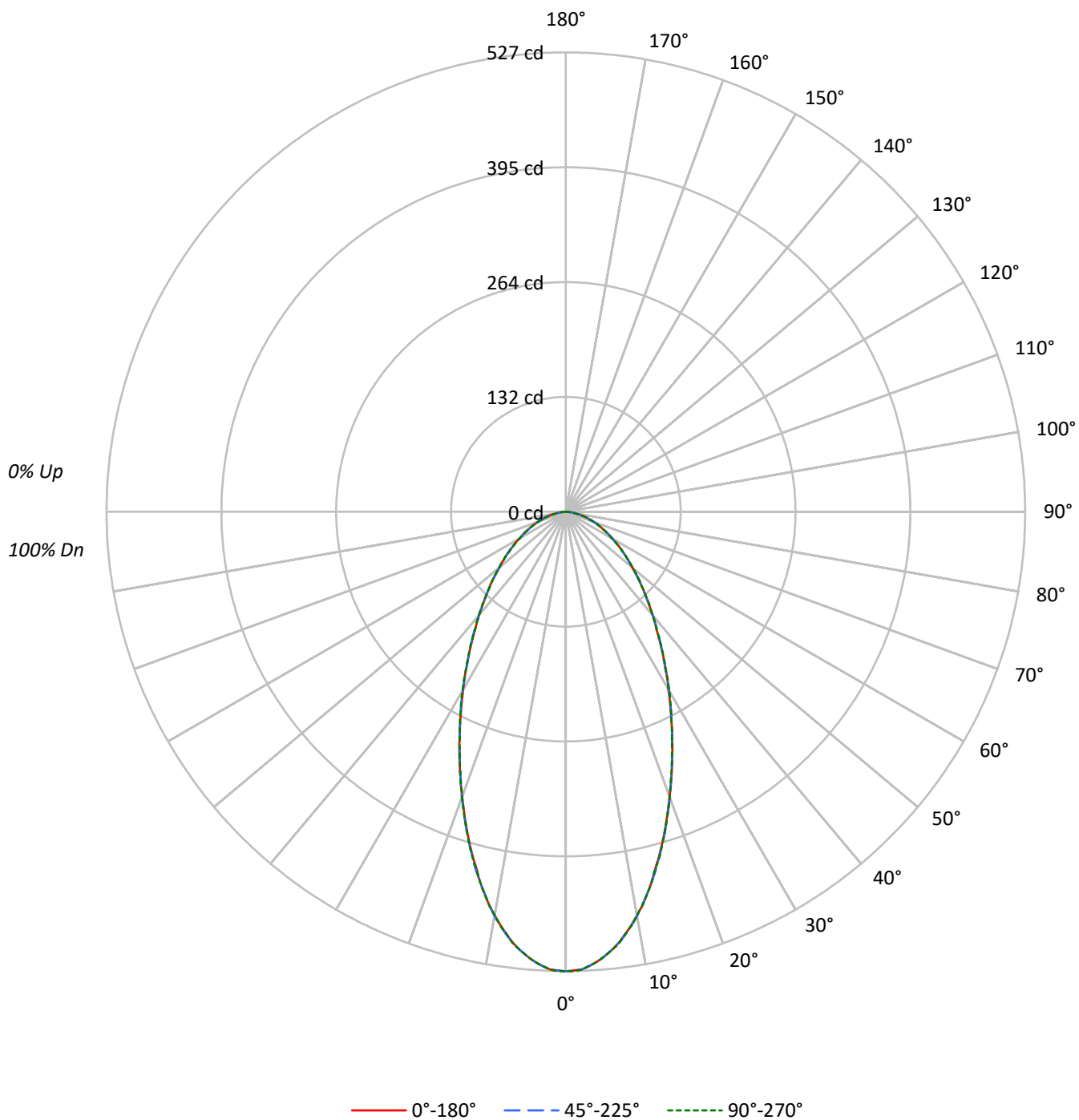
Lumens per Lamp: N/A
Luminaire Lumens: 660.0 lumens
Efficiency: N/A
Efficacy: 45.2 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	90	86	100	94	89	85	91	86	83		88	84	81		85
3	95	87	80	74	93	85	79	74	82	77	72		80	75	71		77
4	89	79	71	65	87	77	70	65	75	69	64		73	68	63		71
5	83	72	64	58	81	71	64	58	69	62	58		67	61	57		65
6	77	66	58	53	76	65	58	52	63	57	52		62	56	52		60
7	73	61	53	48	71	60	53	48	59	52	47		57	51	47		56
8	68	56	49	44	67	56	49	44	55	48	44		53	48	43		52
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49
10	61	49	42	37	60	49	42	37	48	42	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	90796	90796	90796
5°	88480	88480	88480
10°	82211	82368	82211
15°	73316	73477	73477
20°	63743	63908	63743
25°	54899	54728	54728
30°	46833	47012	47191
35°	40178	40178	40367
40°	34825	34825	34825
45°	30445	30445	30445
50°	26686	26686	26927
55°	23931	23931	23931
60°	21218	21218	21218
65°	19194	19194	19194
70°	17322	16869	17322
75°	15704	15038	15038
80°	12596	12596	12596
85°	8892	8892	8892

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30445 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.6	7.2
10°-20°	114.7	17.4
20°-30°	132.6	20.1
30°-40°	120.2	18.2
40°-50°	96.9	14.7
50°-60°	71.3	10.8
60°-70°	46.9	7.1
70°-80°	24.2	3.7
80°-90°	5.5	0.8
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°	294.9	44.7
0°-40°	415.1	62.9
0°-60°	583.3	88.4
0°-90°	660.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	660.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	527	527	527	527	527	
5°	512	514	512	512	512	48
15°	411	412	412	411	412	115
25°	289	288	288	289	288	133
35°	191	191	191	191	192	120
45°	125	125	125	125	125	97
55°	80	80	80	79	80	72
65°	47	47	47	47	47	47
75°	24	23	23	23	23	25
85°	4	4	4	4	4	6
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	527.2	527.2	527.2	527.2	527.2
1°	526.3	528.1	526.3	526.3	527.2
2°	525.4	526.3	525.4	525.4	525.4
3°	521.7	523.5	521.7	521.7	521.7
4°	517.2	519.0	517.2	517.2	517.2
5°	511.8	513.6	511.8	511.8	511.8
6°	505.4	506.3	505.4	505.4	505.4
7°	498.2	499.1	498.2	498.2	499.1
8°	489.1	490.0	490.0	489.1	489.1
9°	480.1	481.0	481.0	480.1	481.0
10°	470.1	471.0	471.0	470.1	470.1
11°	460.1	461.0	459.2	459.2	460.1
12°	448.4	449.3	448.4	448.4	448.4
13°	436.6	436.6	436.6	436.6	436.6
14°	423.0	424.8	424.8	423.9	423.0
15°	411.2	412.1	412.1	411.2	412.1
17.5°	379.5	381.3	380.4	380.4	380.4
20°	347.8	348.7	348.7	347.8	347.8
22.5°	317.9	317.0	317.0	317.0	317.0
25°	288.9	288.0	288.0	288.9	288.0
27.5°	260.9	261.8	261.8	260.9	261.8
30°	235.5	235.5	236.4	235.5	237.3
32.5°	212.9	212.9	212.0	212.9	212.9
35°	191.1	191.1	191.1	191.1	192.0
37.5°	171.2	172.1	173.0	173.0	172.1
40°	154.9	154.9	154.9	154.9	154.9
42.5°	138.6	138.6	139.5	139.5	139.5
45°	125.0	125.0	125.0	125.0	125.0
47.5°	112.3	112.3	111.4	111.4	112.3
50°	99.6	100.5	99.6	99.6	100.5
52.5°	89.7	88.8	88.8	89.7	89.7
55°	79.7	79.7	79.7	78.8	79.7
57.5°	70.7	70.7	69.7	69.7	69.7
60°	61.6	61.6	61.6	61.6	61.6
62.5°	54.3	54.3	54.3	54.3	54.3
65°	47.1	47.1	47.1	47.1	47.1
67.5°	40.8	40.8	40.8	40.8	39.9
70°	34.4	34.4	33.5	33.5	34.4
72.5°	28.1	28.1	28.1	28.1	28.1
75°	23.6	22.6	22.6	22.6	22.6
77.5°	18.1	18.1	17.2	18.1	17.2
80°	12.7	12.7	12.7	12.7	12.7
82.5°	9.1	8.2	8.2	8.2	8.2
85°	4.5	4.5	4.5	4.5	4.5
87.5°	0.9	0.9	0.9	0.9	1.8



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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)