

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: P1316251

Luminaire Tested: P3SQAS13R309827DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316251
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R309827DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

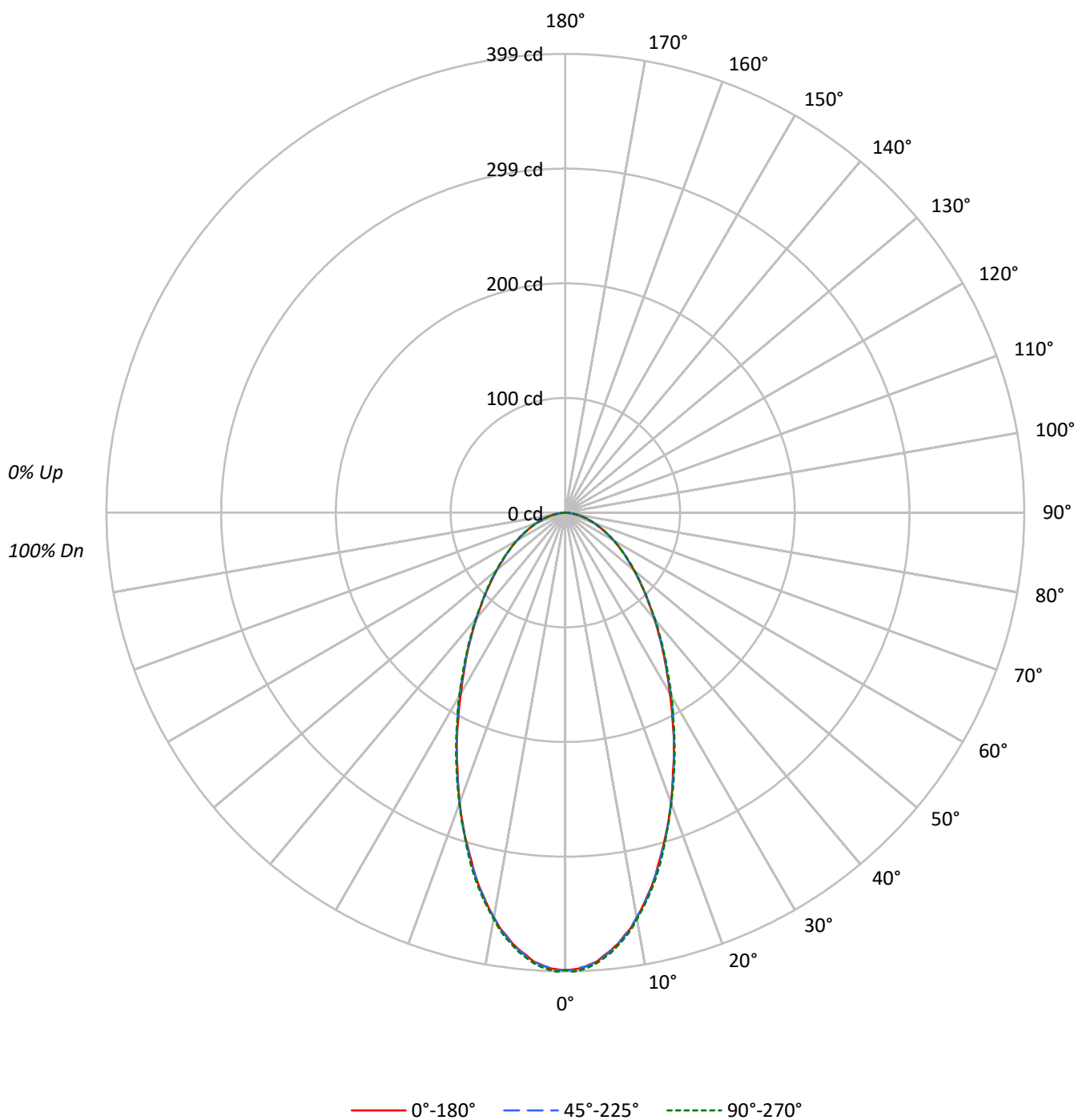
Lumens per Lamp: N/A
Luminaire Lumens: 511.0 lumens
Efficiency: N/A
Efficacy: 35.2 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	103	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	90	85	100	94	89	84	91	86	83		87	84	81		85
3	95	86	80	74	93	85	79	73	82	77	72		79	75	71		77
4	89	78	71	65	86	77	70	65	75	69	64		73	67	63		71
5	83	72	64	58	81	71	63	58	69	62	57		67	61	57		65
6	77	66	58	52	76	65	58	52	63	57	52		62	56	51		60
7	72	61	53	48	71	60	53	47	58	52	47		57	51	47		56
8	68	56	49	44	67	56	48	43	54	48	43		53	47	43		52
9	64	52	45	40	63	52	45	40	51	44	40		50	44	40		49
10	61	49	42	37	60	48	42	37	48	41	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	68545	68545	68545
5°	66836	66974	67216
10°	62554	62554	62799
15°	56075	56217	56592
20°	49228	49228	49356
25°	42452	42452	42718
30°	36134	36551	36691
35°	31200	31348	31516
40°	27023	27181	27338
45°	23577	23747	23747
50°	20845	20845	21033
55°	18676	18676	18676
60°	16809	16809	16809
65°	14996	14996	14996
70°	13545	13545	13545
75°	12244	11778	11778
80°	10513	9819	9819
85°	6916	6916	6916

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 23747 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.0	7.1
10°-20°	87.9	17.2
20°-30°	102.6	20.1
30°-40°	93.4	18.3
40°-50°	75.4	14.8
50°-60°	55.7	10.9
60°-70°	36.7	7.2
70°-80°	19.0	3.7
80°-90°	4.3	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°	226.5	44.3
0°-40°	319.9	62.6
0°-60°	451.0	88.3
0°-90°	511.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	511.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	398	398	398	398	398	
5°	387	387	387	387	389	36
15°	314	315	315	315	317	88
25°	223	223	223	223	225	102
35°	148	148	149	149	150	93
45°	97	98	98	98	98	75
55°	62	62	62	62	62	56
65°	37	37	37	37	37	37
75°	18	18	18	18	18	19
85°	4	4	4	4	4	4
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	398.0	398.0	398.0	398.0	398.0
1°	397.3	397.3	398.0	397.3	399.4
2°	396.5	395.8	395.8	395.8	398.0
3°	393.7	393.7	394.4	393.7	395.8
4°	391.6	390.9	391.6	390.9	393.0
5°	386.6	386.6	387.4	387.4	388.8
6°	382.4	382.4	383.1	382.4	384.5
7°	377.5	377.5	377.5	377.5	378.9
8°	371.1	371.1	371.8	371.8	373.2
9°	365.4	364.7	364.7	364.7	366.9
10°	357.7	357.7	357.7	357.7	359.1
11°	349.9	349.9	349.9	349.9	351.3
12°	341.4	341.4	342.1	341.4	343.5
13°	333.6	333.6	333.6	333.6	335.0
14°	324.4	323.7	324.4	324.4	326.6
15°	314.5	315.3	315.3	315.3	317.4
17.5°	291.9	291.9	292.6	291.2	292.6
20°	268.6	267.9	268.6	268.6	269.3
22.5°	244.6	245.3	245.3	245.3	246.7
25°	223.4	222.7	223.4	223.4	224.8
27.5°	201.5	202.2	202.9	202.2	203.6
30°	181.7	183.1	183.8	182.4	184.5
32.5°	164.0	164.0	164.7	165.4	166.1
35°	148.4	147.7	149.1	149.1	149.9
37.5°	133.6	133.6	133.6	134.3	135.0
40°	120.2	120.2	120.9	120.9	121.6
42.5°	108.1	107.4	108.1	108.1	108.1
45°	96.8	97.5	97.5	97.5	97.5
47.5°	86.9	86.9	87.6	86.9	87.6
50°	77.8	77.8	77.8	77.8	78.5
52.5°	69.3	69.3	69.3	69.3	70.0
55°	62.2	61.5	62.2	61.5	62.2
57.5°	55.1	55.1	55.1	55.1	55.1
60°	48.8	48.1	48.8	48.1	48.8
62.5°	42.4	42.4	42.4	42.4	42.4
65°	36.8	36.8	36.8	36.8	36.8
67.5°	31.8	31.8	31.8	31.1	31.1
70°	26.9	26.9	26.9	26.9	26.9
72.5°	22.6	21.9	21.9	21.9	21.9
75°	18.4	17.7	17.7	17.7	17.7
77.5°	14.1	14.1	13.4	13.4	14.1
80°	10.6	9.9	9.9	9.9	9.9
82.5°	6.4	6.4	6.4	6.4	6.4
85°	3.5	3.5	3.5	3.5	3.5
87.5°	0.7	0.7	0.7	1.4	1.4



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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)