

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: P1316234

Luminaire Tested: P3SQAS13R259827DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316234
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: P3SQAS13R259827DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

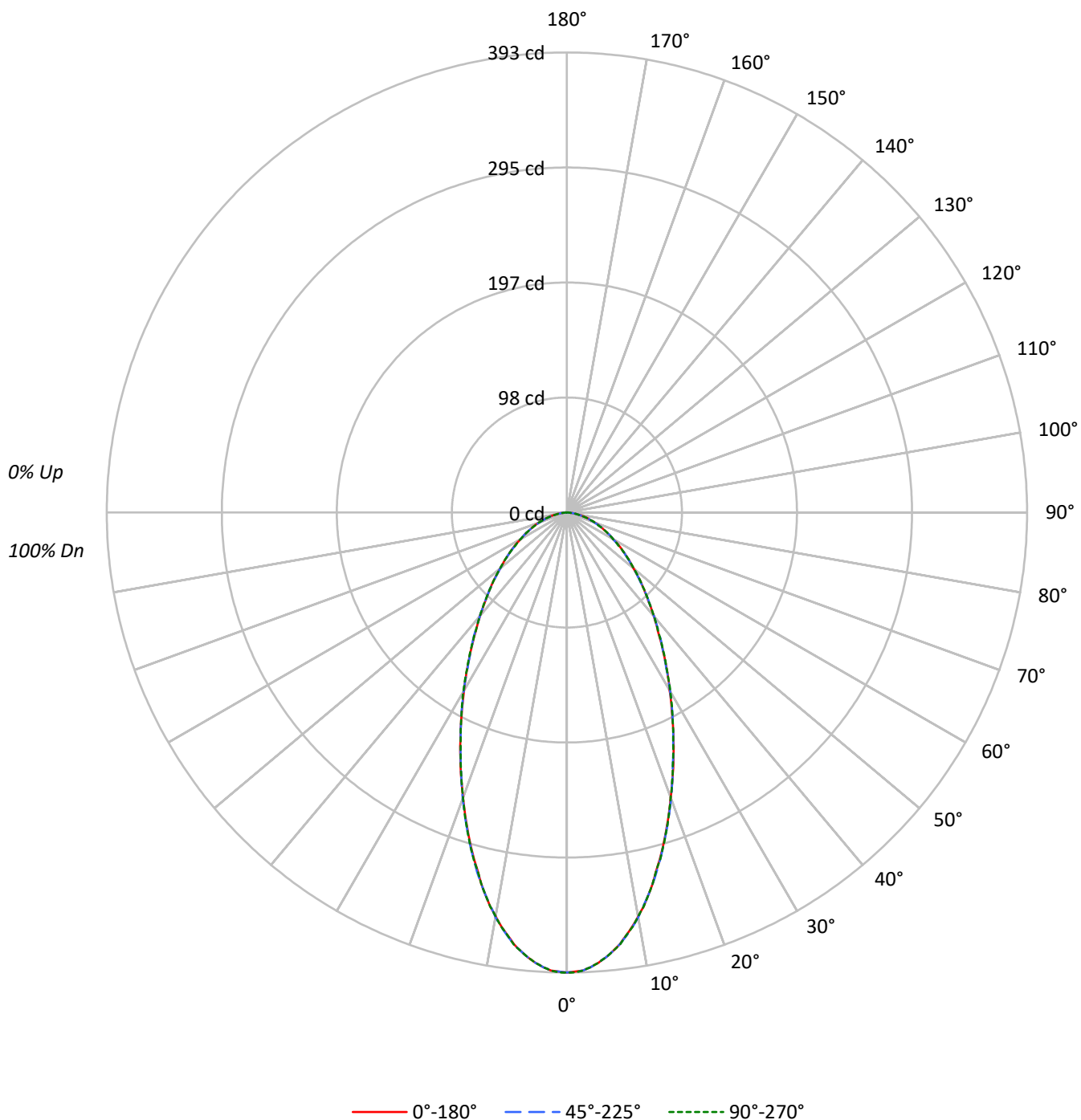
Lumens per Lamp: N/A
Luminaire Lumens: 492.0 lumens
Efficiency: N/A
Efficacy: 33.9 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	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	63	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°	67683	67683	67683
5°	65954	65954	65954
10°	61278	61400	61278
15°	54666	54773	54773
20°	47523	47652	47523
25°	40932	40799	40799
30°	34921	35040	35179
35°	29960	29960	30086
40°	25967	25967	25967
45°	22700	22700	22700
50°	19907	19907	20068
55°	17836	17836	17836
60°	15810	15810	15810
65°	14304	14304	14304
70°	12941	12589	12941
75°	11711	11246	11246
80°	9422	9422	9422
85°	6719	6719	6719

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22700 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.5	7.2
10°-20°	85.5	17.4
20°-30°	98.8	20.1
30°-40°	89.6	18.2
40°-50°	72.2	14.7
50°-60°	53.2	10.8
60°-70°	35.0	7.1
70°-80°	18.1	3.7
80°-90°	4.1	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°	219.8	44.7
0°-40°	309.5	62.9
0°-60°	434.9	88.4
0°-90°	492.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	492.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	393	393	393	393	393	
5°	382	383	382	382	382	35
15°	307	307	307	307	307	85
25°	215	215	215	215	215	99
35°	142	142	142	142	143	89
45°	93	93	93	93	93	72
55°	59	59	59	59	59	53
65°	35	35	35	35	35	35
75°	18	17	17	17	17	18
85°	3	3	3	3	3	4
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	393.0	393.0	393.0	393.0	393.0
1°	392.3	393.7	392.3	392.3	393.0
2°	391.6	392.3	391.6	391.6	391.6
3°	388.9	390.3	388.9	388.9	388.9
4°	385.6	386.9	385.6	385.6	385.6
5°	381.5	382.9	381.5	381.5	381.5
6°	376.8	377.4	376.8	376.8	376.8
7°	371.4	372.0	371.4	371.4	372.0
8°	364.6	365.3	365.3	364.6	364.6
9°	357.9	358.5	358.5	357.9	358.5
10°	350.4	351.1	351.1	350.4	350.4
11°	343.0	343.7	342.3	342.3	343.0
12°	334.2	334.9	334.2	334.2	334.2
13°	325.5	325.5	325.5	325.5	325.5
14°	315.3	316.7	316.7	316.0	315.3
15°	306.6	307.2	307.2	306.6	307.2
17.5°	282.9	284.3	283.6	283.6	283.6
20°	259.3	260.0	260.0	259.3	259.3
22.5°	237.0	236.3	236.3	236.3	236.3
25°	215.4	214.7	214.7	215.4	214.7
27.5°	194.5	195.1	195.1	194.5	195.1
30°	175.6	175.6	176.2	175.6	176.9
32.5°	158.7	158.7	158.0	158.7	158.7
35°	142.5	142.5	142.5	142.5	143.1
37.5°	127.6	128.3	129.0	129.0	128.3
40°	115.5	115.5	115.5	115.5	115.5
42.5°	103.3	103.3	104.0	104.0	104.0
45°	93.2	93.2	93.2	93.2	93.2
47.5°	83.7	83.7	83.1	83.1	83.7
50°	74.3	74.9	74.3	74.3	74.9
52.5°	66.8	66.2	66.2	66.8	66.8
55°	59.4	59.4	59.4	58.7	59.4
57.5°	52.7	52.7	52.0	52.0	52.0
60°	45.9	45.9	45.9	45.9	45.9
62.5°	40.5	40.5	40.5	40.5	40.5
65°	35.1	35.1	35.1	35.1	35.1
67.5°	30.4	30.4	30.4	30.4	29.7
70°	25.7	25.7	25.0	25.0	25.7
72.5°	20.9	20.9	20.9	20.9	20.9
75°	17.6	16.9	16.9	16.9	16.9
77.5°	13.5	13.5	12.8	13.5	12.8
80°	9.5	9.5	9.5	9.5	9.5
82.5°	6.8	6.1	6.1	6.1	6.1
85°	3.4	3.4	3.4	3.4	3.4
87.5°	0.7	0.7	0.7	0.7	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)