

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: P1315347

Luminaire Tested: P3SQAS13R259740DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315347
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: P3SQAS13R259740DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

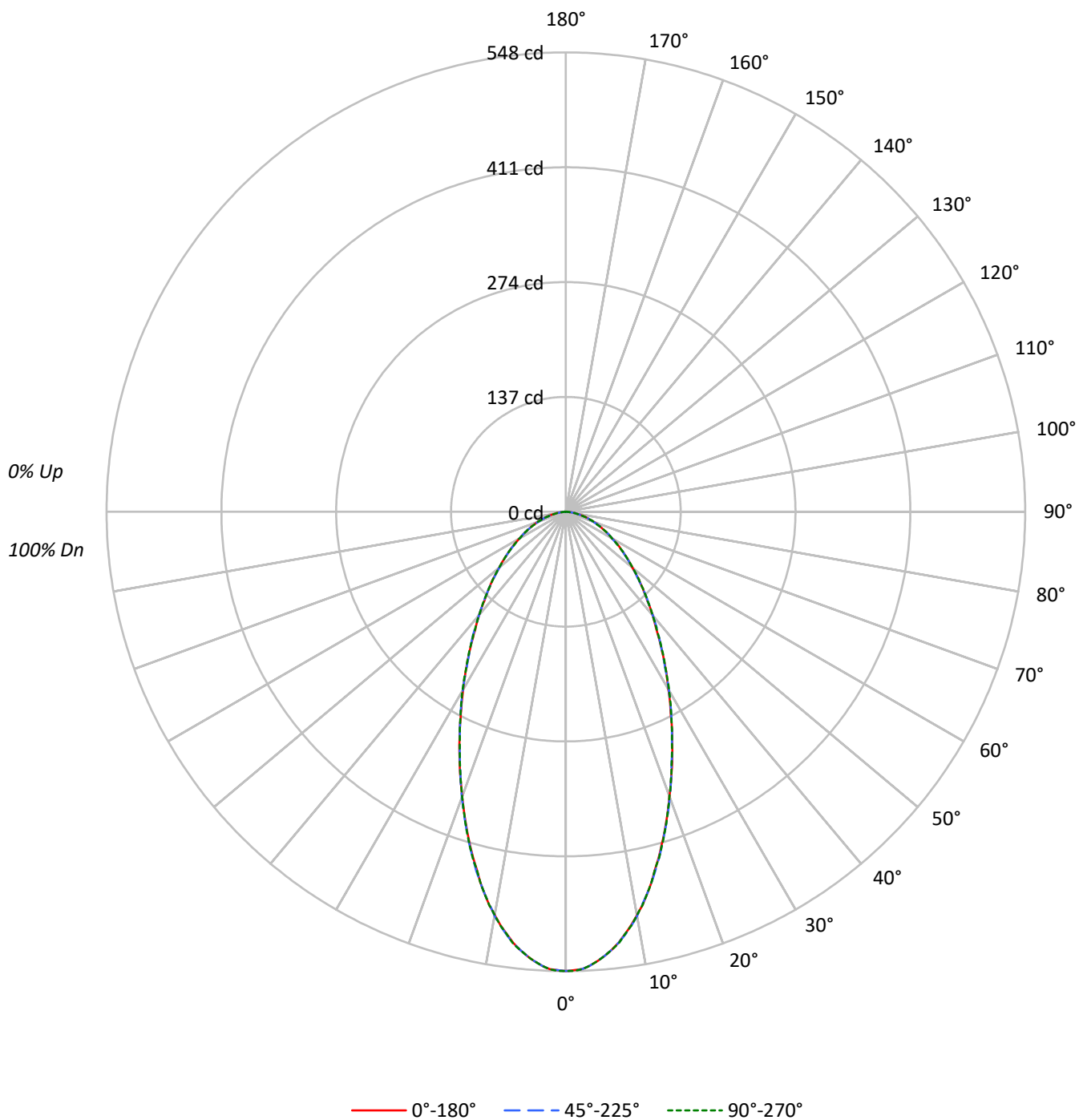
Lumens per Lamp: N/A
Luminaire Lumens: 686.0 lumens
Efficiency: N/A
Efficacy: 47.0 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	94361	94361	94361
5°	91955	91955	91955
10°	85446	85621	85446
15°	76205	76383	76383
20°	66254	66437	66254
25°	57065	56894	56894
30°	48682	48861	49060
35°	41755	41755	41965
40°	36196	36196	36196
45°	31638	31638	31638
50°	27758	27758	27999
55°	24862	24862	24862
60°	22044	22044	22044
65°	19968	19968	19968
70°	18027	17523	18027
75°	16303	15637	15637
80°	13092	13092	13092
85°	9287	9287	9287

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31638 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.4	7.2
10°-20°	119.2	17.4
20°-30°	137.8	20.1
30°-40°	124.9	18.2
40°-50°	100.7	14.7
50°-60°	74.2	10.8
60°-70°	48.8	7.1
70°-80°	25.2	3.7
80°-90°	5.7	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°	306.5	44.7
0°-40°	431.4	62.9
0°-60°	606.3	88.4
0°-90°	686.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	686.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	548	548	548	548	548	
5°	532	534	532	532	532	49
15°	427	428	428	427	428	119
25°	300	299	299	300	299	138
35°	199	199	199	199	200	125
45°	130	130	130	130	130	101
55°	83	83	83	82	83	74
65°	49	49	49	49	49	49
75°	24	24	24	24	24	26
85°	5	5	5	5	5	6
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	547.9	547.9	547.9	547.9	547.9
1°	547.0	548.9	547.0	547.0	547.9
2°	546.1	547.0	546.1	546.1	546.1
3°	542.3	544.2	542.3	542.3	542.3
4°	537.6	539.5	537.6	537.6	537.6
5°	531.9	533.8	531.9	531.9	531.9
6°	525.3	526.3	525.3	525.3	525.3
7°	517.8	518.7	517.8	517.8	518.7
8°	508.4	509.3	509.3	508.4	508.4
9°	499.0	499.9	499.9	499.0	499.9
10°	488.6	489.6	489.6	488.6	488.6
11°	478.3	479.2	477.3	477.3	478.3
12°	466.0	467.0	466.0	466.0	466.0
13°	453.8	453.8	453.8	453.8	453.8
14°	439.7	441.5	441.5	440.6	439.7
15°	427.4	428.4	428.4	427.4	428.4
17.5°	394.5	396.4	395.4	395.4	395.4
20°	361.5	362.5	362.5	361.5	361.5
22.5°	330.5	329.5	329.5	329.5	329.5
25°	300.3	299.4	299.4	300.3	299.4
27.5°	271.1	272.1	272.1	271.1	272.1
30°	244.8	244.8	245.7	244.8	246.7
32.5°	221.2	221.2	220.3	221.2	221.2
35°	198.6	198.6	198.6	198.6	199.6
37.5°	177.9	178.9	179.8	179.8	178.9
40°	161.0	161.0	161.0	161.0	161.0
42.5°	144.0	144.0	145.0	145.0	145.0
45°	129.9	129.9	129.9	129.9	129.9
47.5°	116.7	116.7	115.8	115.8	116.7
50°	103.6	104.5	103.6	103.6	104.5
52.5°	93.2	92.3	92.3	93.2	93.2
55°	82.8	82.8	82.8	81.9	82.8
57.5°	73.4	73.4	72.5	72.5	72.5
60°	64.0	64.0	64.0	64.0	64.0
62.5°	56.5	56.5	56.5	56.5	56.5
65°	49.0	49.0	49.0	49.0	49.0
67.5°	42.4	42.4	42.4	42.4	41.4
70°	35.8	35.8	34.8	34.8	35.8
72.5°	29.2	29.2	29.2	29.2	29.2
75°	24.5	23.5	23.5	23.5	23.5
77.5°	18.8	18.8	17.9	18.8	17.9
80°	13.2	13.2	13.2	13.2	13.2
82.5°	9.4	8.5	8.5	8.5	8.5
85°	4.7	4.7	4.7	4.7	4.7
87.5°	0.9	0.9	0.9	0.9	1.9



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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)