

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: P1305910

Luminaire Tested: P3SQASS13R259024DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305910
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: P3SQASS13R259024DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

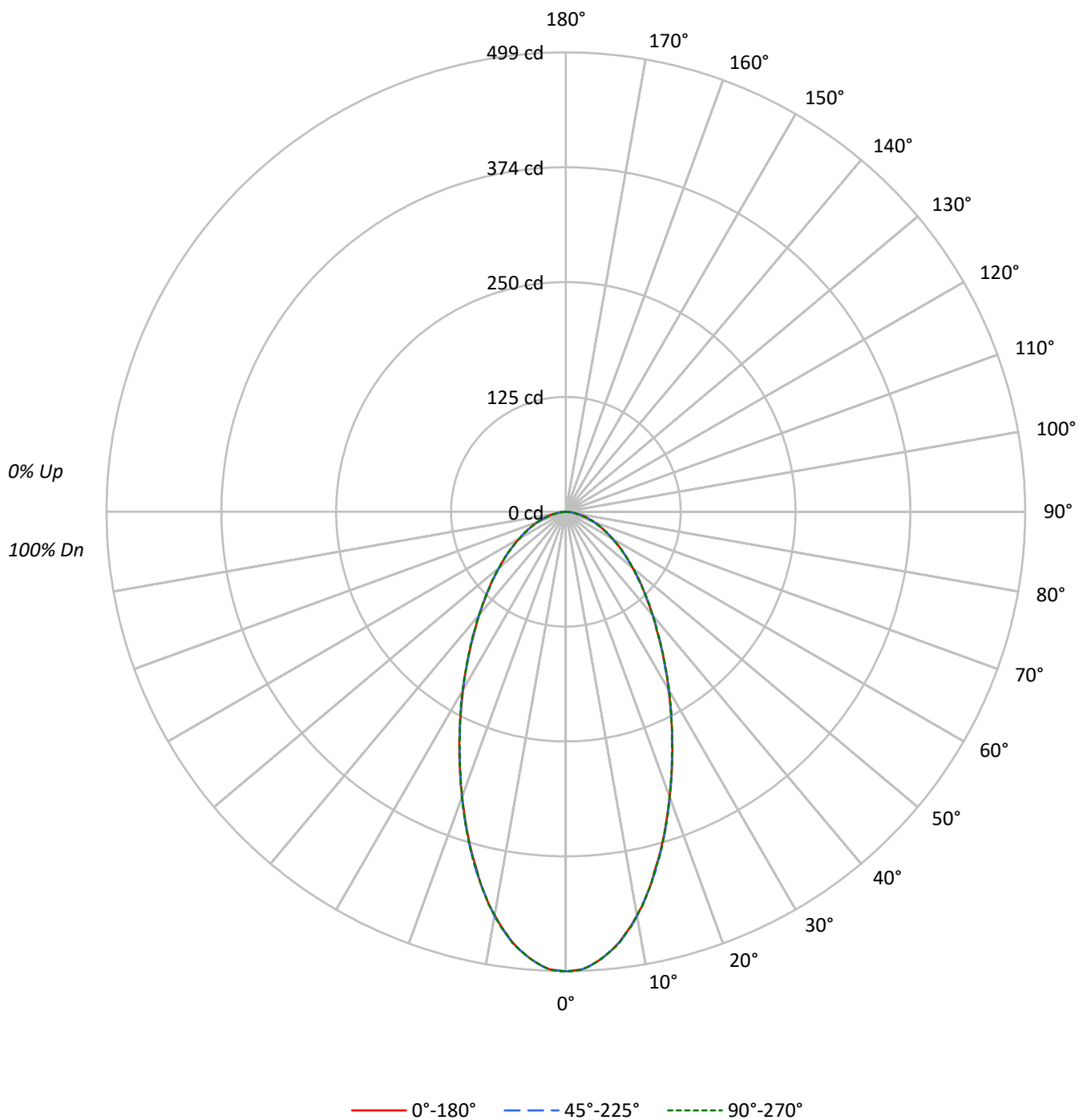
Lumens per Lamp: N/A
Luminaire Lumens: 625.0 lumens
Efficiency: N/A
Efficacy: 42.8 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	85974	85974	85974
5°	83778	83778	83778
10°	77856	77996	77856
15°	69429	69590	69590
20°	60371	60518	60371
25°	51991	51839	51839
30°	44347	44526	44685
35°	38054	38054	38223
40°	32981	32981	32981
45°	28837	28837	28837
50°	25293	25293	25507
55°	22670	22670	22670
60°	20081	20081	20081
65°	18175	18175	18175
70°	16416	15962	16416
75°	14839	14240	14240
80°	11901	11901	11901
85°	8497	8497	8497

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28837 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.0	7.2
10°-20°	108.6	17.4
20°-30°	125.6	20.1
30°-40°	113.8	18.2
40°-50°	91.8	14.7
50°-60°	67.6	10.8
60°-70°	44.5	7.1
70°-80°	22.9	3.7
80°-90°	5.2	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°	279.3	44.7
0°-40°	393.1	62.9
0°-60°	552.4	88.4
0°-90°	625.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	625.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	499	499	499	499	499	
5°	485	486	485	485	485	45
15°	389	390	390	389	390	108
25°	274	273	273	274	273	126
35°	181	181	181	181	182	114
45°	118	118	118	118	118	92
55°	76	76	76	75	76	68
65°	45	45	45	45	45	45
75°	22	21	21	21	21	23
85°	4	4	4	4	4	5
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	499.2	499.2	499.2	499.2	499.2
1°	498.4	500.1	498.4	498.4	499.2
2°	497.5	498.4	497.5	497.5	497.5
3°	494.1	495.8	494.1	494.1	494.1
4°	489.8	491.5	489.8	489.8	489.8
5°	484.6	486.3	484.6	484.6	484.6
6°	478.6	479.5	478.6	478.6	478.6
7°	471.8	472.6	471.8	471.8	472.6
8°	463.2	464.0	464.0	463.2	463.2
9°	454.6	455.5	455.5	454.6	455.5
10°	445.2	446.0	446.0	445.2	445.2
11°	435.7	436.6	434.9	434.9	435.7
12°	424.6	425.4	424.6	424.6	424.6
13°	413.4	413.4	413.4	413.4	413.4
14°	400.6	402.3	402.3	401.4	400.6
15°	389.4	390.3	390.3	389.4	390.3
17.5°	359.4	361.1	360.3	360.3	360.3
20°	329.4	330.2	330.2	329.4	329.4
22.5°	301.1	300.2	300.2	300.2	300.2
25°	273.6	272.8	272.8	273.6	272.8
27.5°	247.0	247.9	247.9	247.0	247.9
30°	223.0	223.0	223.9	223.0	224.7
32.5°	201.6	201.6	200.7	201.6	201.6
35°	181.0	181.0	181.0	181.0	181.8
37.5°	162.1	163.0	163.8	163.8	163.0
40°	146.7	146.7	146.7	146.7	146.7
42.5°	131.2	131.2	132.1	132.1	132.1
45°	118.4	118.4	118.4	118.4	118.4
47.5°	106.4	106.4	105.5	105.5	106.4
50°	94.4	95.2	94.4	94.4	95.2
52.5°	84.9	84.1	84.1	84.9	84.9
55°	75.5	75.5	75.5	74.6	75.5
57.5°	66.9	66.9	66.0	66.0	66.0
60°	58.3	58.3	58.3	58.3	58.3
62.5°	51.5	51.5	51.5	51.5	51.5
65°	44.6	44.6	44.6	44.6	44.6
67.5°	38.6	38.6	38.6	38.6	37.7
70°	32.6	32.6	31.7	31.7	32.6
72.5°	26.6	26.6	26.6	26.6	26.6
75°	22.3	21.4	21.4	21.4	21.4
77.5°	17.2	17.2	16.3	17.2	16.3
80°	12.0	12.0	12.0	12.0	12.0
82.5°	8.6	7.7	7.7	7.7	7.7
85°	4.3	4.3	4.3	4.3	4.3
87.5°	0.9	0.9	0.9	0.9	1.7



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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)