

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: P1317093

Luminaire Tested: P3SQAS13R209830DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317093
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R209830DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

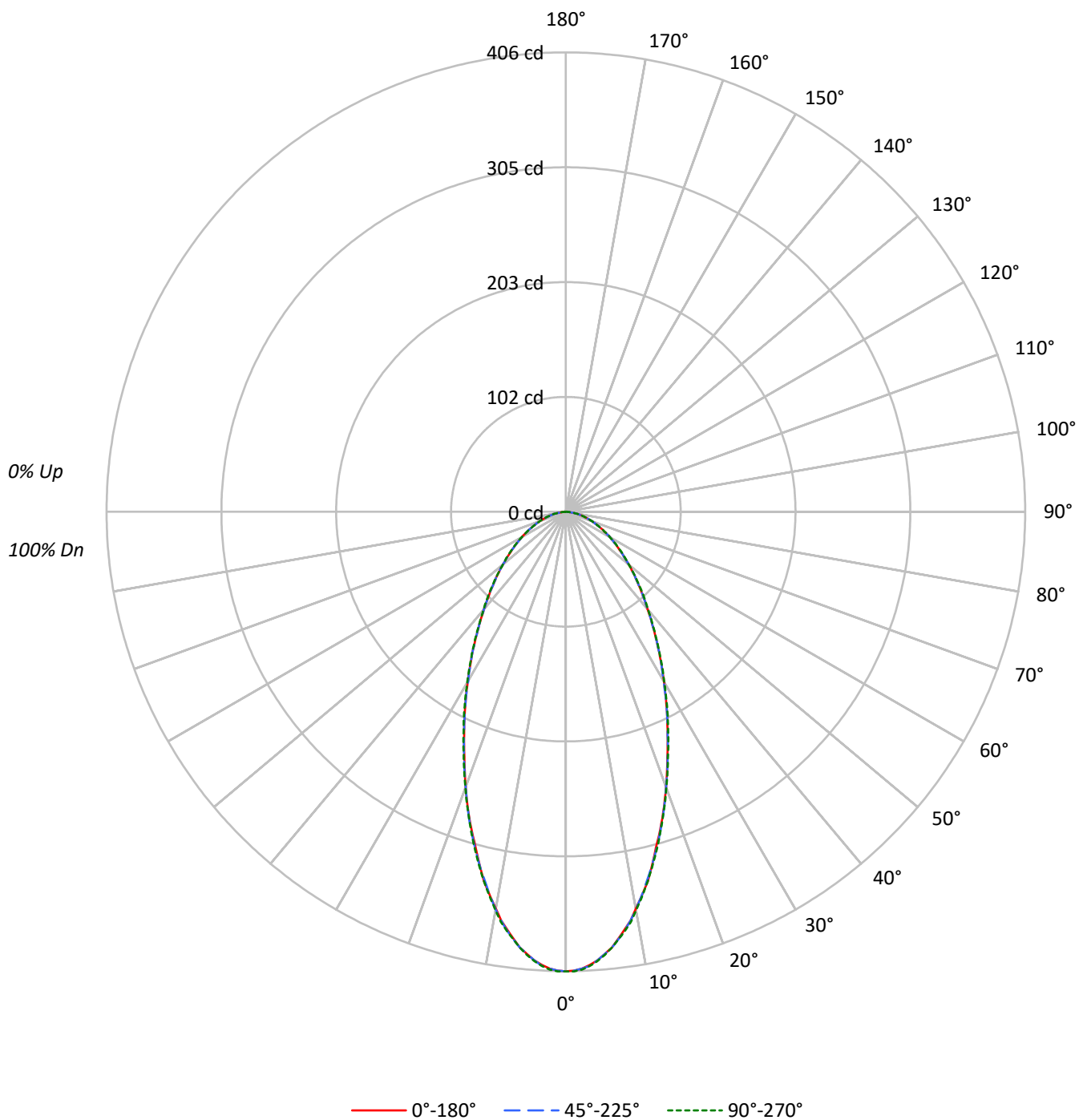
Lumens per Lamp: N/A
Luminaire Lumens: 486.0 lumens
Efficiency: N/A
Efficacy: 33.5 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	104	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	91	86	100	94	89	85	91	87	83		88	84	81		85
3	96	87	80	75	93	85	79	74	82	77	73		80	75	72		77
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71
5	83	72	64	59	81	71	64	58	69	63	58		67	62	57		65
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53
9	65	53	46	41	63	52	46	41	51	45	41		50	45	40		49
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	69974	69974	69974
5°	67856	67856	67994
10°	62310	62432	62554
15°	54844	55112	55237
20°	47468	47468	47615
25°	40400	40400	40666
30°	34483	34344	34622
35°	29434	29434	29602
40°	25292	25292	25450
45°	22091	22091	22261
50°	19452	19452	19452
55°	17205	17205	17415
60°	15500	15500	15500
65°	13896	13896	13896
70°	12438	12438	12438
75°	11112	10647	11112
80°	9323	9323	9323
85°	5730	5730	7114

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 22261 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.3	7.5
10°-20°	86.0	17.7
20°-30°	98.0	20.2
30°-40°	88.0	18.1
40°-50°	70.5	14.5
50°-60°	51.8	10.7
60°-70°	33.9	7.0
70°-80°	17.6	3.6
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°	220.3	45.3
0°-40°	308.3	63.4
0°-60°	430.5	88.6
0°-90°	486.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	486.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	406	406	406	406	406	
5°	392	392	392	392	393	36
15°	308	308	309	309	310	86
25°	213	213	213	213	214	98
35°	140	140	140	140	141	88
45°	91	91	91	91	91	70
55°	57	57	57	57	58	52
65°	34	33	34	34	34	34
75°	17	16	16	17	17	18
85°	3	3	3	4	4	4
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	406.3	406.3	406.3	406.3	406.3
1°	405.6	404.9	405.6	405.6	406.3
2°	404.1	404.1	404.1	403.4	404.9
3°	401.2	401.2	402.0	401.2	402.0
4°	397.6	397.6	397.6	396.9	398.3
5°	392.5	392.5	392.5	392.5	393.3
6°	387.5	386.7	387.5	386.7	387.5
7°	380.2	380.2	380.9	380.2	380.9
8°	372.9	372.2	373.7	372.9	374.4
9°	365.7	365.0	365.7	365.0	367.1
10°	356.3	357.0	357.0	357.0	357.7
12.5°	334.5	333.0	333.0	333.0	334.5
15°	307.6	307.6	309.1	309.1	309.8
17.5°	283.7	283.0	284.4	284.4	284.4
20°	259.0	258.3	259.0	259.0	259.8
22.5°	234.4	235.1	235.1	235.1	235.8
25°	212.6	212.6	212.6	213.3	214.0
27.5°	192.3	191.6	192.3	193.0	193.7
30°	173.4	172.7	172.7	173.4	174.1
32.5°	156.0	155.3	156.0	156.0	156.7
35°	140.0	140.0	140.0	140.0	140.8
37.5°	125.5	125.5	125.5	126.2	126.2
40°	112.5	112.5	112.5	113.2	113.2
42.5°	100.9	100.9	100.9	101.6	102.3
45°	90.7	90.7	90.7	90.7	91.4
47.5°	81.3	81.3	81.3	82.0	82.0
50°	72.6	71.8	72.6	73.3	72.6
52.5°	64.6	64.6	64.6	64.6	65.3
55°	57.3	57.3	57.3	57.3	58.0
57.5°	50.8	50.8	50.8	51.5	51.5
60°	45.0	45.0	45.0	45.0	45.0
62.5°	39.2	39.2	39.2	39.2	39.2
65°	34.1	33.4	34.1	34.1	34.1
67.5°	29.0	29.0	29.0	29.0	29.0
70°	24.7	24.7	24.7	24.7	24.7
72.5°	20.3	20.3	20.3	20.3	20.3
75°	16.7	16.0	16.0	16.7	16.7
77.5°	13.1	12.3	13.1	13.1	13.1
80°	9.4	9.4	9.4	9.4	9.4
82.5°	5.8	5.8	5.8	6.5	6.5
85°	2.9	2.9	2.9	3.6	3.6
87.5°	0.7	0.7	0.7	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)