

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: P1313706

Luminaire Tested: P3SQAS20R259730D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313706
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: P3SQAS20R259730D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

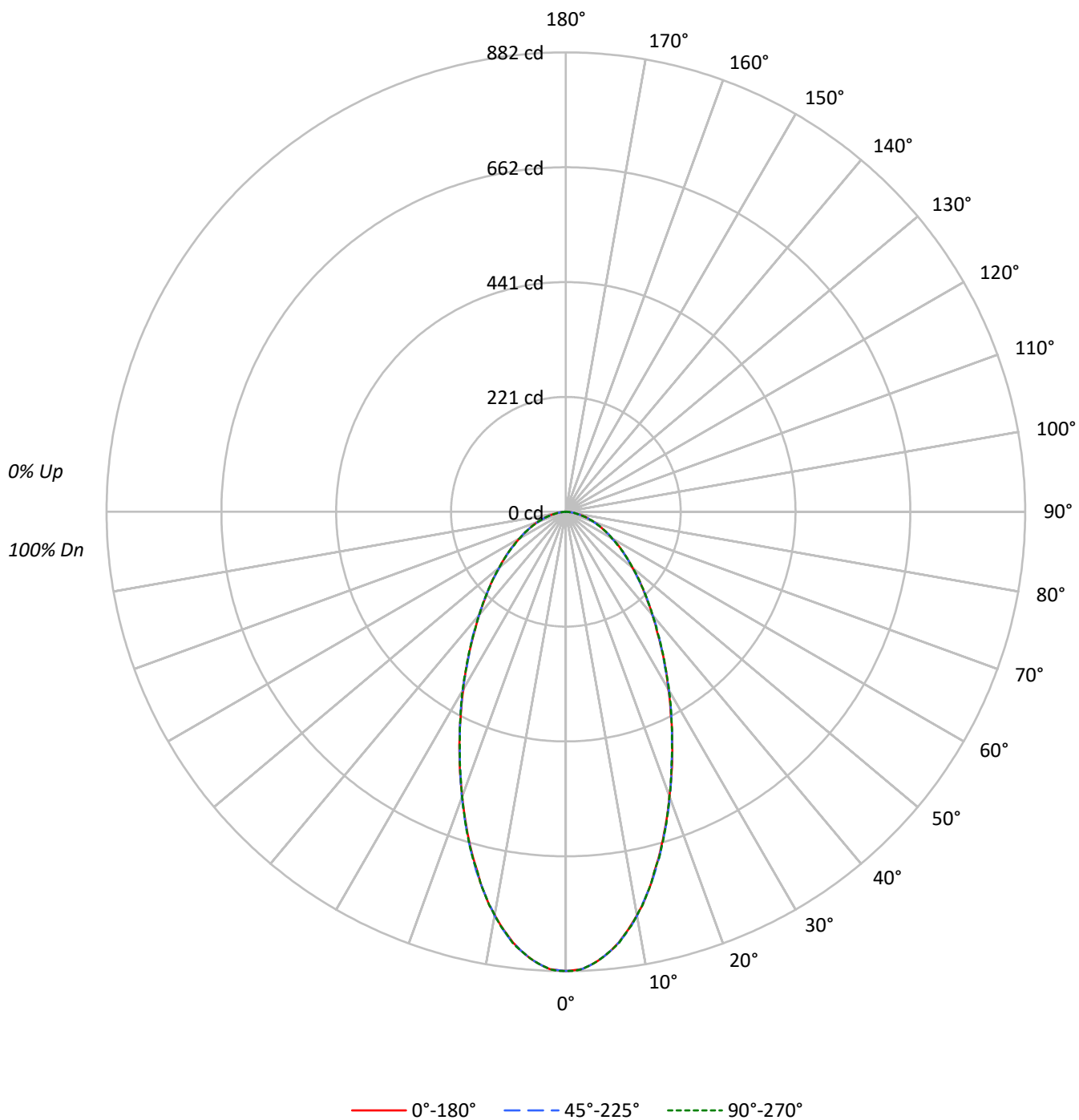
Lumens per Lamp: N/A
Luminaire Lumens: 1104.0 lumens
Efficiency: N/A
Efficacy: 38.3 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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°	151866	151866	151866
5°	147986	147986	147986
10°	137525	137788	137525
15°	122651	122919	122919
20°	106630	106905	106630
25°	91840	91555	91555
30°	78333	78631	78950
35°	67215	67215	67531
40°	58251	58251	58251
45°	50928	50928	50928
50°	44664	44664	45066
55°	40025	40025	40025
60°	35478	35478	35478
65°	32112	32112	32112
70°	29004	28249	29004
75°	26217	25219	25219
80°	21026	21026	21026
85°	15018	15018	15018

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 50928 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.5	7.2
10°-20°	191.9	17.4
20°-30°	221.8	20.1
30°-40°	201.1	18.2
40°-50°	162.1	14.7
50°-60°	119.3	10.8
60°-70°	78.5	7.1
70°-80°	40.6	3.7
80°-90°	9.2	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°	493.3	44.7
0°-40°	694.4	62.9
0°-60°	975.8	88.4
0°-90°	1104.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1104.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	882	882	882	882	882	
5°	856	859	856	856	856	79
15°	688	689	689	688	689	192
25°	483	482	482	483	482	222
35°	320	320	320	320	321	201
45°	209	209	209	209	209	162
55°	133	133	133	132	133	120
65°	79	79	79	79	79	79
75°	39	38	38	38	38	41
85°	8	8	8	8	8	9
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	881.8	881.8	881.8	881.8	881.8
1°	880.3	883.3	880.3	880.3	881.8
2°	878.8	880.3	878.8	878.8	878.8
3°	872.7	875.7	872.7	872.7	872.7
4°	865.1	868.2	865.1	865.1	865.1
5°	856.0	859.1	856.0	856.0	856.0
6°	845.4	847.0	845.4	845.4	845.4
7°	833.3	834.8	833.3	833.3	834.8
8°	818.2	819.7	819.7	818.2	818.2
9°	803.0	804.5	804.5	803.0	804.5
10°	786.4	787.9	787.9	786.4	786.4
11°	769.7	771.2	768.2	768.2	769.7
12°	750.0	751.5	750.0	750.0	750.0
13°	730.3	730.3	730.3	730.3	730.3
14°	707.6	710.6	710.6	709.1	707.6
15°	687.9	689.4	689.4	687.9	689.4
17.5°	634.8	637.9	636.4	636.4	636.4
20°	581.8	583.3	583.3	581.8	581.8
22.5°	531.8	530.3	530.3	530.3	530.3
25°	483.3	481.8	481.8	483.3	481.8
27.5°	436.4	437.9	437.9	436.4	437.9
30°	393.9	393.9	395.4	393.9	397.0
32.5°	356.1	356.1	354.5	356.1	356.1
35°	319.7	319.7	319.7	319.7	321.2
37.5°	286.4	287.9	289.4	289.4	287.9
40°	259.1	259.1	259.1	259.1	259.1
42.5°	231.8	231.8	233.3	233.3	233.3
45°	209.1	209.1	209.1	209.1	209.1
47.5°	187.9	187.9	186.4	186.4	187.9
50°	166.7	168.2	166.7	166.7	168.2
52.5°	150.0	148.5	148.5	150.0	150.0
55°	133.3	133.3	133.3	131.8	133.3
57.5°	118.2	118.2	116.7	116.7	116.7
60°	103.0	103.0	103.0	103.0	103.0
62.5°	90.9	90.9	90.9	90.9	90.9
65°	78.8	78.8	78.8	78.8	78.8
67.5°	68.2	68.2	68.2	68.2	66.7
70°	57.6	57.6	56.1	56.1	57.6
72.5°	47.0	47.0	47.0	47.0	47.0
75°	39.4	37.9	37.9	37.9	37.9
77.5°	30.3	30.3	28.8	30.3	28.8
80°	21.2	21.2	21.2	21.2	21.2
82.5°	15.2	13.6	13.6	13.6	13.6
85°	7.6	7.6	7.6	7.6	7.6
87.5°	1.5	1.5	1.5	1.5	3.0



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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)