

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: P1316526

Luminaire Tested: P3SQAS20R259827D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316526
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: P3SQAS20R259827D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

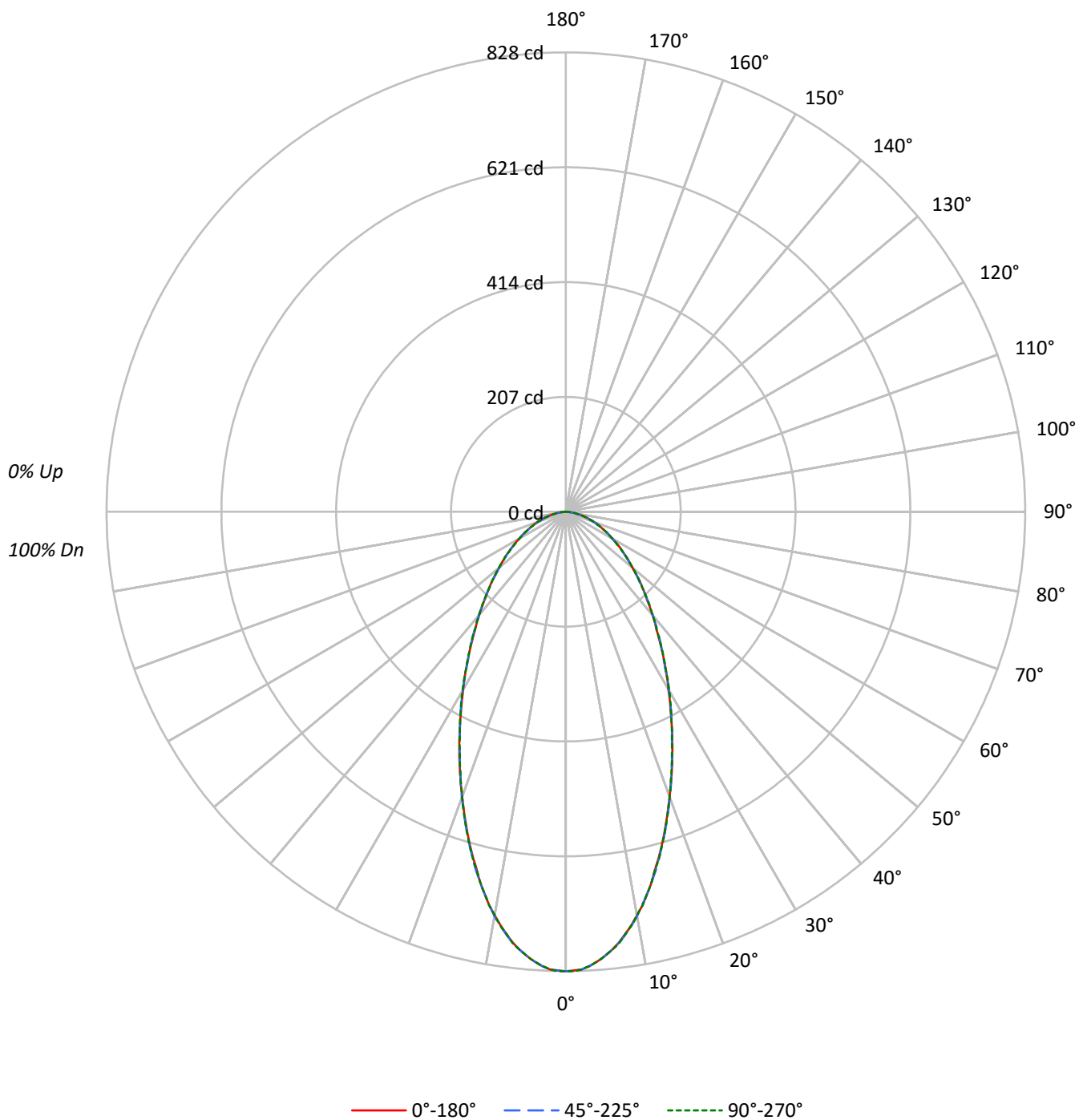
Lumens per Lamp: N/A
Luminaire Lumens: 1037.0 lumens
Efficiency: N/A
Efficacy: 37.8 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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°	142652	142652	142652
5°	139013	139013	139013
10°	129166	129428	129166
15°	115198	115448	115448
20°	100160	100417	100160
25°	86272	86006	86006
30°	73580	73879	74157
35°	63137	63137	63431
40°	54721	54721	54721
45°	47835	47835	47835
50°	41931	41931	42333
55°	37593	37593	37593
60°	33342	33342	33342
65°	30156	30156	30156
70°	27242	26537	27242
75°	24620	23689	23689
80°	19737	19737	19737
85°	14030	14030	14030

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 47835 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.7	7.2
10°-20°	180.3	17.4
20°-30°	208.4	20.1
30°-40°	188.9	18.2
40°-50°	152.2	14.7
50°-60°	112.1	10.8
60°-70°	73.8	7.1
70°-80°	38.1	3.7
80°-90°	8.6	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°	463.3	44.7
0°-40°	652.2	62.9
0°-60°	916.6	88.4
0°-90°	1037.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1037.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	828	828	828	828	828	
5°	804	807	804	804	804	75
15°	646	648	648	646	648	180
25°	454	453	453	454	453	208
35°	300	300	300	300	302	189
45°	196	196	196	196	196	152
55°	125	125	125	124	125	112
65°	74	74	74	74	74	74
75°	37	36	36	36	36	39
85°	7	7	7	7	7	9
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	828.3	828.3	828.3	828.3	828.3
1°	826.9	829.7	826.9	826.9	828.3
2°	825.4	826.9	825.4	825.4	825.4
3°	819.8	822.6	819.8	819.8	819.8
4°	812.6	815.5	812.6	812.6	812.6
5°	804.1	806.9	804.1	804.1	804.1
6°	794.1	795.6	794.1	794.1	794.1
7°	782.7	784.2	782.7	782.7	784.2
8°	768.5	769.9	769.9	768.5	768.5
9°	754.3	755.7	755.7	754.3	755.7
10°	738.6	740.1	740.1	738.6	738.6
11°	723.0	724.4	721.6	721.6	723.0
12°	704.5	705.9	704.5	704.5	704.5
13°	686.0	686.0	686.0	686.0	686.0
14°	664.6	667.5	667.5	666.0	664.6
15°	646.1	647.5	647.5	646.1	647.5
17.5°	596.3	599.2	597.7	597.7	597.7
20°	546.5	547.9	547.9	546.5	546.5
22.5°	499.5	498.1	498.1	498.1	498.1
25°	454.0	452.6	452.6	454.0	452.6
27.5°	409.9	411.3	411.3	409.9	411.3
30°	370.0	370.0	371.5	370.0	372.9
32.5°	334.4	334.4	333.0	334.4	334.4
35°	300.3	300.3	300.3	300.3	301.7
37.5°	269.0	270.4	271.8	271.8	270.4
40°	243.4	243.4	243.4	243.4	243.4
42.5°	217.7	217.7	219.2	219.2	219.2
45°	196.4	196.4	196.4	196.4	196.4
47.5°	176.5	176.5	175.1	175.1	176.5
50°	156.5	158.0	156.5	156.5	158.0
52.5°	140.9	139.5	139.5	140.9	140.9
55°	125.2	125.2	125.2	123.8	125.2
57.5°	111.0	111.0	109.6	109.6	109.6
60°	96.8	96.8	96.8	96.8	96.8
62.5°	85.4	85.4	85.4	85.4	85.4
65°	74.0	74.0	74.0	74.0	74.0
67.5°	64.0	64.0	64.0	64.0	62.6
70°	54.1	54.1	52.7	52.7	54.1
72.5°	44.1	44.1	44.1	44.1	44.1
75°	37.0	35.6	35.6	35.6	35.6
77.5°	28.5	28.5	27.0	28.5	27.0
80°	19.9	19.9	19.9	19.9	19.9
82.5°	14.2	12.8	12.8	12.8	12.8
85°	7.1	7.1	7.1	7.1	7.1
87.5°	1.4	1.4	1.4	1.4	2.8



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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)