

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: P1312768

Luminaire Tested: P3SQAS20R359727D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312768
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359727D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

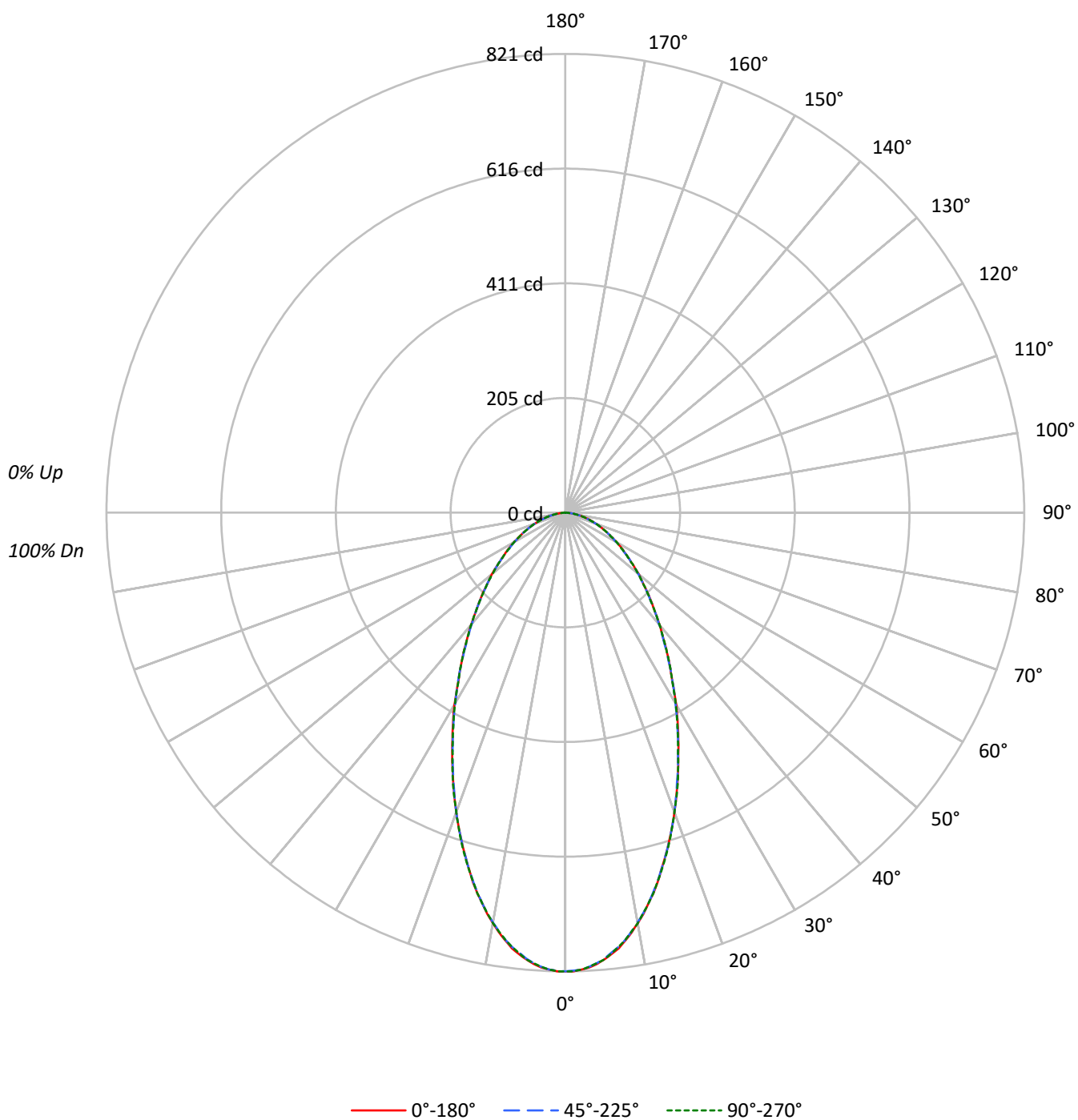
Lumens per Lamp: N/A
Luminaire Lumens: 1097.0 lumens
Efficiency: N/A
Efficacy: 38.1 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	103	100	108	105	101	99	100	98	95		97	95	93		93
2	103	96	90	85	100	94	89	84	90	86	82		87	84	81		84
3	95	86	79	74	93	85	78	73	82	76	72		79	75	71		77
4	88	78	71	65	86	77	70	65	75	68	64		72	67	63		70
5	82	71	64	58	80	70	63	58	68	62	57		66	61	56		65
6	77	65	58	52	75	65	57	52	63	56	51		61	55	51		60
7	72	60	53	47	71	60	52	47	58	52	47		57	51	46		55
8	68	56	48	43	66	55	48	43	54	47	43		53	47	43		52
9	64	52	45	40	63	51	44	40	50	44	39		49	44	39		48
10	60	49	42	37	59	48	41	37	47	41	37		46	41	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	141412	141412	141412
5°	138771	138529	138771
10°	130478	130233	130478
15°	118140	118140	118390
20°	104577	104577	104577
25°	90928	90662	90662
30°	78830	78273	78552
35°	67867	67573	67867
40°	58881	58566	58881
45°	51732	51367	51367
50°	45897	45521	45521
55°	40385	40385	40385
60°	36580	36098	36580
65°	32886	32886	32886
70°	29206	29206	29206
75°	26351	25419	26351
80°	22514	22514	22514
85°	14030	14030	14030

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 51732 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.7	6.8
10°-20°	184.8	16.8
20°-30°	219.6	20.0
30°-40°	201.8	18.4
40°-50°	163.8	14.9
50°-60°	121.2	11.1
60°-70°	80.1	7.3
70°-80°	41.5	3.8
80°-90°	9.3	0.9
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°	479.1	43.7
0°-40°	680.9	62.1
0°-60°	966.0	88.1
0°-90°	1097.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1097.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	821	821	821	821	821	
5°	803	801	801	801	803	75
15°	663	663	663	663	664	185
25°	478	477	477	478	477	220
35°	323	321	321	323	323	202
45°	212	211	211	211	211	164
55°	134	134	134	134	134	122
65°	81	81	81	81	81	80
75°	40	40	38	40	40	42
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°	821.1	821.1	821.1	821.1	821.1
1°	821.1	819.7	819.7	819.7	821.1
2°	818.3	818.3	818.3	818.3	818.3
3°	815.5	814.1	814.1	814.1	814.1
4°	809.8	808.4	808.4	808.4	808.4
5°	802.7	801.3	801.3	801.3	802.7
6°	794.2	792.8	791.4	791.4	792.8
7°	785.8	782.9	782.9	782.9	782.9
8°	773.0	771.6	771.6	771.6	771.6
9°	760.3	757.4	758.9	758.9	758.9
10°	746.1	744.7	744.7	744.7	746.1
11°	732.0	730.5	730.5	729.1	730.5
12°	715.0	715.0	715.0	715.0	715.0
13°	699.4	698.0	698.0	698.0	699.4
14°	682.4	681.0	681.0	681.0	681.0
15°	662.6	662.6	662.6	662.6	664.0
17.5°	617.3	615.9	617.3	617.3	618.7
20°	570.6	569.1	570.6	570.6	570.6
22.5°	523.8	523.8	522.4	523.8	525.3
25°	478.5	477.1	477.1	478.5	477.1
27.5°	436.1	434.6	434.6	434.6	434.6
30°	396.4	393.6	393.6	395.0	395.0
32.5°	355.4	355.4	356.8	355.4	355.4
35°	322.8	321.4	321.4	322.8	322.8
37.5°	290.2	288.8	288.8	290.2	290.2
40°	261.9	261.9	260.5	261.9	261.9
42.5°	235.0	235.0	235.0	235.0	235.0
45°	212.4	210.9	210.9	210.9	210.9
47.5°	189.7	189.7	189.7	188.3	189.7
50°	171.3	169.9	169.9	169.9	169.9
52.5°	151.5	151.5	151.5	151.5	151.5
55°	134.5	134.5	134.5	134.5	134.5
57.5°	120.3	118.9	118.9	118.9	118.9
60°	106.2	106.2	104.8	106.2	106.2
62.5°	92.0	92.0	92.0	92.0	92.0
65°	80.7	80.7	80.7	80.7	80.7
67.5°	69.4	69.4	69.4	69.4	69.4
70°	58.0	58.0	58.0	58.0	58.0
72.5°	49.6	48.1	48.1	48.1	48.1
75°	39.6	39.6	38.2	39.6	39.6
77.5°	29.7	29.7	29.7	29.7	29.7
80°	22.7	22.7	22.7	21.2	22.7
82.5°	14.2	14.2	14.2	14.2	14.2
85°	7.1	7.1	7.1	7.1	7.1
87.5°	1.4	1.4	1.4	2.8	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)