

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: P1312186

Luminaire Tested: P3SQAS05R609727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312186
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R609727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

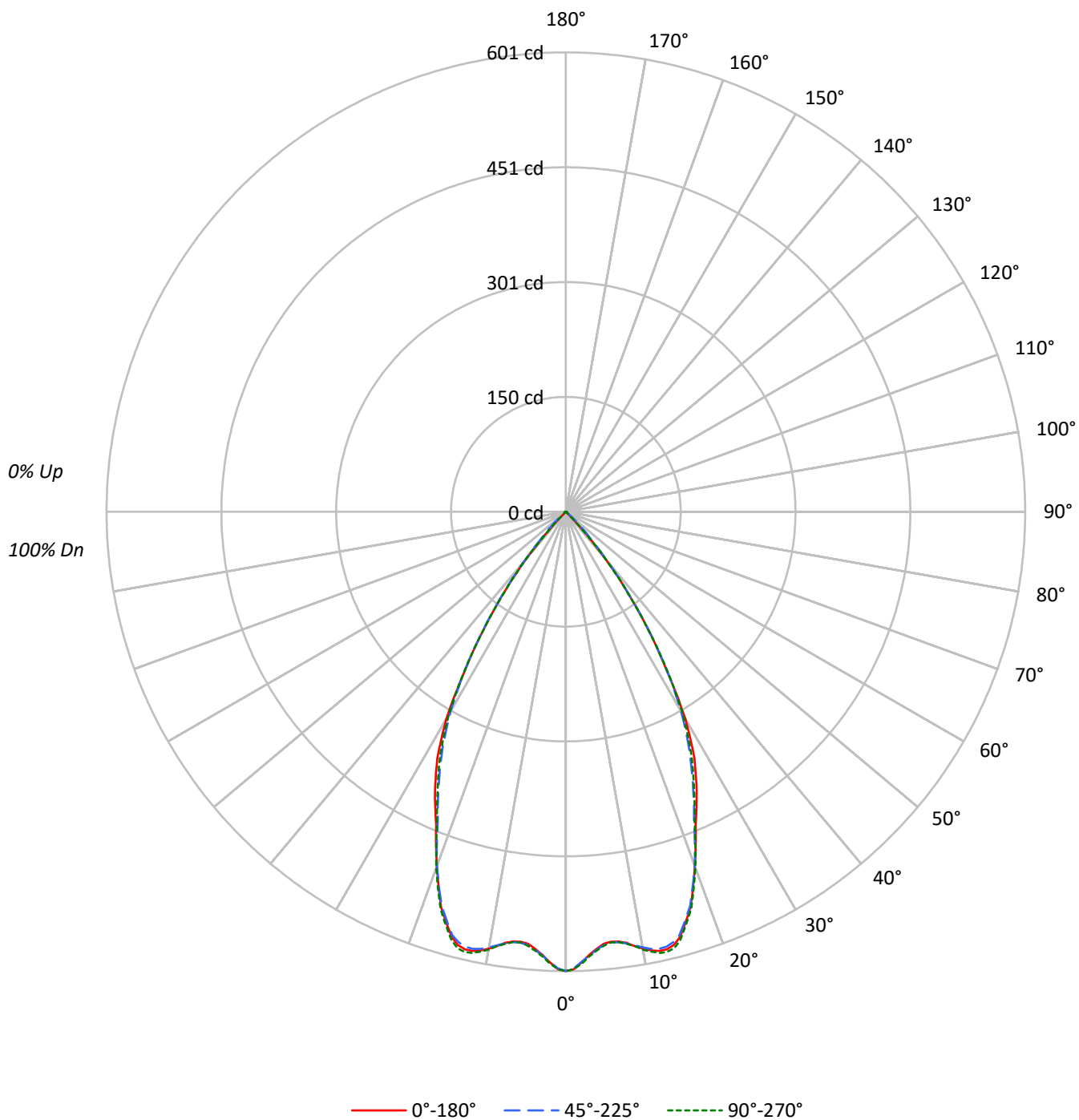
Lumens per Lamp: N/A
Luminaire Lumens: 536.0 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.92 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	114	111	108	106	111	109	107	105	105	103	101		101	100	98		98
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88
4	98	90	85	81	96	89	84	80	87	83	79		85	81	79		83
5	93	85	79	75	91	84	79	75	82	77	74		80	76	73		79
6	88	80	74	70	87	79	73	69	77	73	69		76	72	68		75
7	84	75	69	65	83	74	69	65	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	76	67	61	57	75	66	61	57	65	60	57		65	60	57		64
10	73	63	58	54	72	63	57	54	62	57	54		61	57	53		61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	103489	103489	103489
5°	98092	98386	98525
10°	101500	101203	101710
15°	102735	102290	103324
20°	90465	90391	90850
25°	76980	74756	75384
30°	62126	59958	60952
35°	39316	39673	39232
40°	18390	19132	18660
45°	1120	6747	1340
50°	563	1581	563
55°	631	631	631
60°	586	586	586
65°	530	693	530
70°	655	655	655
75°	532	532	532
80°	397	397	397
85°	790	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 6747 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.8	10.2
10°-20°	157.7	29.4
20°-30°	181.8	33.9
30°-40°	116.8	21.8
40°-50°	20.3	3.8
50°-60°	1.9	0.4
60°-70°	1.5	0.3
70°-80°	0.9	0.2
80°-90°	0.3	0.1
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°	394.3	73.6
0°-40°	511.1	95.4
0°-60°	533.4	99.5
0°-90°	536.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	536.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	601	601	601	601	601	
5°	567	569	569	570	570	55
15°	576	574	574	577	580	158
25°	405	400	393	394	397	185
35°	187	186	189	185	187	117
45°	5	14	28	16	6	15
55°	2	2	2	2	2	2
65°	1	2	2	2	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	600.9	600.9	600.9	600.9	600.9
1°	598.4	598.0	597.6	598.0	598.4
2°	590.0	589.6	589.2	590.9	591.7
3°	580.8	581.2	581.6	582.5	582.9
4°	573.3	574.1	574.5	575.4	575.8
5°	567.4	568.6	569.1	570.3	569.9
6°	565.7	566.5	567.0	567.4	566.5
7°	566.5	567.0	567.4	568.2	567.4
8°	569.5	569.9	570.3	570.7	570.7
9°	575.4	574.5	574.1	575.8	575.4
10°	580.4	579.1	578.7	581.2	581.6
11°	584.6	582.9	582.5	585.4	586.3
12°	587.5	585.0	584.6	588.4	590.0
13°	587.5	584.2	584.2	588.4	590.9
14°	584.2	580.4	580.4	585.0	587.9
15°	576.2	574.1	573.7	577.4	579.5
17.5°	542.6	540.1	540.5	544.7	545.2
20°	493.6	492.3	493.2	494.0	495.7
22.5°	443.7	442.8	438.2	439.5	440.3
25°	405.1	400.5	393.4	393.8	396.7
27.5°	364.4	359.8	349.7	351.8	354.8
30°	312.4	308.6	301.5	302.8	306.5
32.5°	245.3	252.9	246.2	248.3	247.0
35°	187.0	185.8	188.7	184.9	186.6
37.5°	131.7	132.1	133.4	130.0	130.0
40°	81.8	83.9	85.1	83.5	83.0
42.5°	34.4	47.0	49.5	47.0	34.8
45°	4.6	13.8	27.7	16.4	5.5
47.5°	2.1	2.9	14.7	2.9	2.1
50°	2.1	2.1	5.9	2.1	2.1
52.5°	2.1	2.1	2.1	2.1	2.1
55°	2.1	2.1	2.1	2.1	2.1
57.5°	2.1	2.1	2.1	2.1	2.1
60°	1.7	1.7	1.7	1.7	1.7
62.5°	1.7	1.7	1.7	1.7	1.7
65°	1.3	1.7	1.7	1.7	1.3
67.5°	1.3	1.3	1.3	1.3	1.3
70°	1.3	1.3	1.3	1.3	1.3
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.4	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0



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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)