

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: P1307755

Luminaire Tested: P3SQAS05R609030DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307755
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: P3SQAS05R609030DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

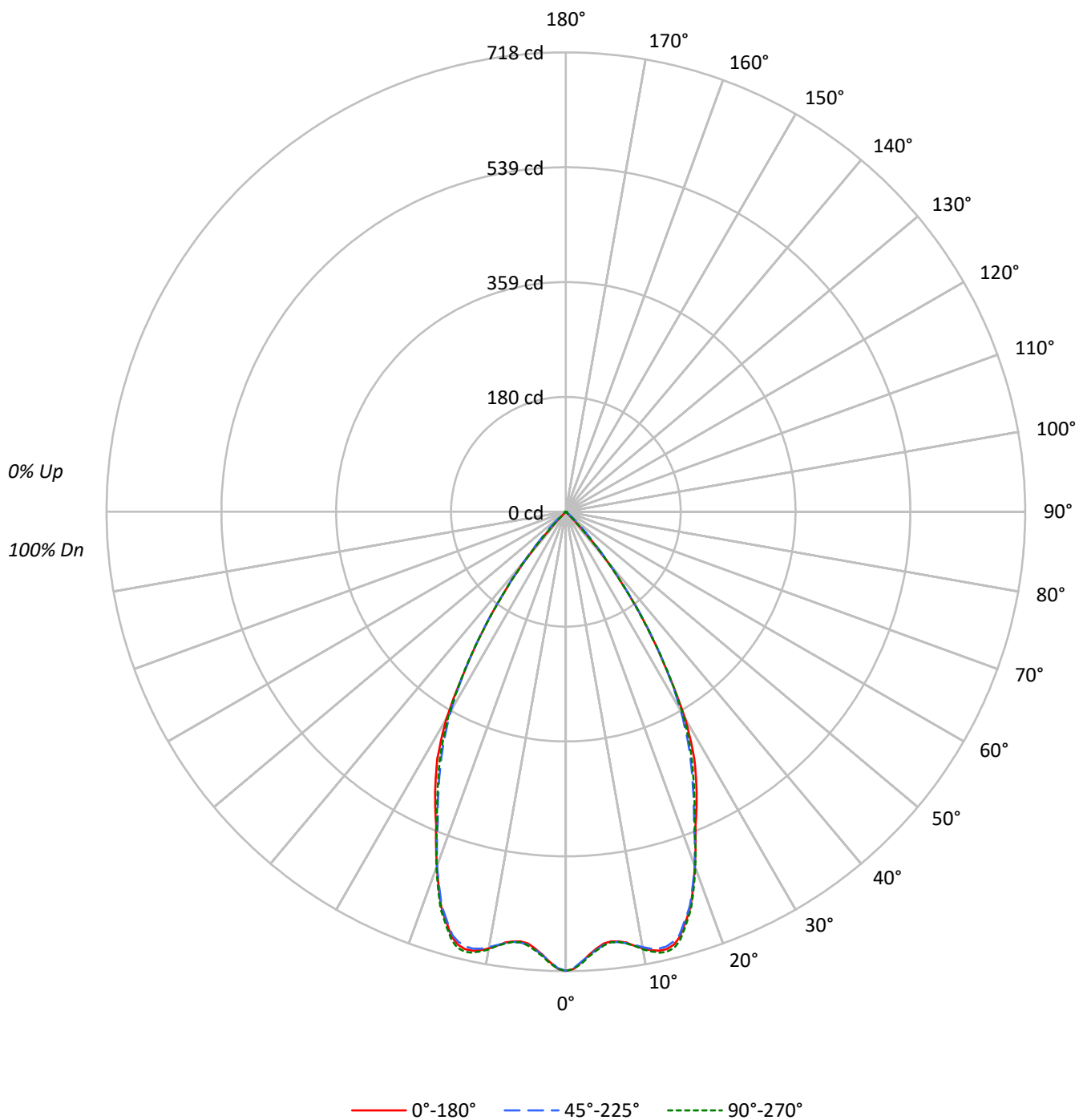
Lumens per Lamp: N/A
Luminaire Lumens: 640.0 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.92 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	123570	123570	123570
5°	117127	117472	117645
10°	121191	120842	121454
15°	122669	122134	123382
20°	108004	107913	108481
25°	91916	89256	90016
30°	74177	71592	72785
35°	46948	47368	46843
40°	21942	22842	22280
45°	1340	8037	1583
50°	670	1876	670
55°	751	751	751
60°	689	689	689
65°	611	815	611
70°	755	755	755
75°	665	665	665
80°	496	496	496
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 8037 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	10.2
10°-20°	188.4	29.4
20°-30°	217.1	33.9
30°-40°	139.4	21.8
40°-50°	24.2	3.8
50°-60°	2.3	0.4
60°-70°	1.8	0.3
70°-80°	1.1	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°	470.9	73.6
0°-40°	610.3	95.4
0°-60°	636.8	99.5
0°-90°	640.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	640.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	718	718	718	718	718	
5°	678	679	680	681	680	65
15°	688	686	685	690	692	189
25°	484	478	470	470	474	221
35°	223	222	225	221	223	139
45°	6	16	33	20	6	18
55°	2	2	2	2	2	2
65°	2	2	2	2	2	2
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°	717.5	717.5	717.5	717.5	717.5
1°	714.5	714.0	713.5	714.0	714.5
2°	704.5	704.0	703.5	705.5	706.5
3°	693.5	694.0	694.5	695.5	696.0
4°	684.5	685.5	686.0	687.0	687.5
5°	677.5	679.0	679.5	681.0	680.5
6°	675.5	676.5	677.0	677.5	676.5
7°	676.5	677.0	677.5	678.5	677.5
8°	680.0	680.5	681.0	681.5	681.5
9°	687.0	686.0	685.5	687.5	687.0
10°	693.0	691.5	691.0	694.0	694.5
11°	698.0	696.0	695.5	699.0	700.0
12°	701.5	698.5	698.0	702.5	704.5
13°	701.5	697.5	697.5	702.5	705.5
14°	697.5	693.0	693.0	698.5	702.0
15°	688.0	685.5	685.0	689.5	692.0
17.5°	647.9	644.9	645.4	650.4	650.9
20°	589.3	587.8	588.8	589.8	591.9
22.5°	529.8	528.8	523.3	524.8	525.8
25°	483.7	478.2	469.7	470.2	473.7
27.5°	435.1	429.6	417.6	420.1	423.6
30°	373.0	368.5	360.0	361.5	366.0
32.5°	292.9	301.9	293.9	296.4	294.9
35°	223.3	221.8	225.3	220.8	222.8
37.5°	157.2	157.7	159.2	155.2	155.2
40°	97.6	100.1	101.6	99.6	99.1
42.5°	41.1	56.1	59.1	56.1	41.6
45°	5.5	16.5	33.0	19.5	6.5
47.5°	2.5	3.5	17.5	3.5	2.5
50°	2.5	2.5	7.0	2.5	2.5
52.5°	2.5	2.5	2.5	2.5	2.5
55°	2.5	2.5	2.5	2.5	2.5
57.5°	2.5	2.5	2.5	2.5	2.5
60°	2.0	2.0	2.0	2.0	2.0
62.5°	2.0	2.0	2.0	2.0	2.0
65°	1.5	2.0	2.0	2.0	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	1.5
72.5°	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.5	0.5	0.5	0.5	0.5
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)