

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: P1312029

Luminaire Tested: P3SQAS02R709727DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312029
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R709727DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

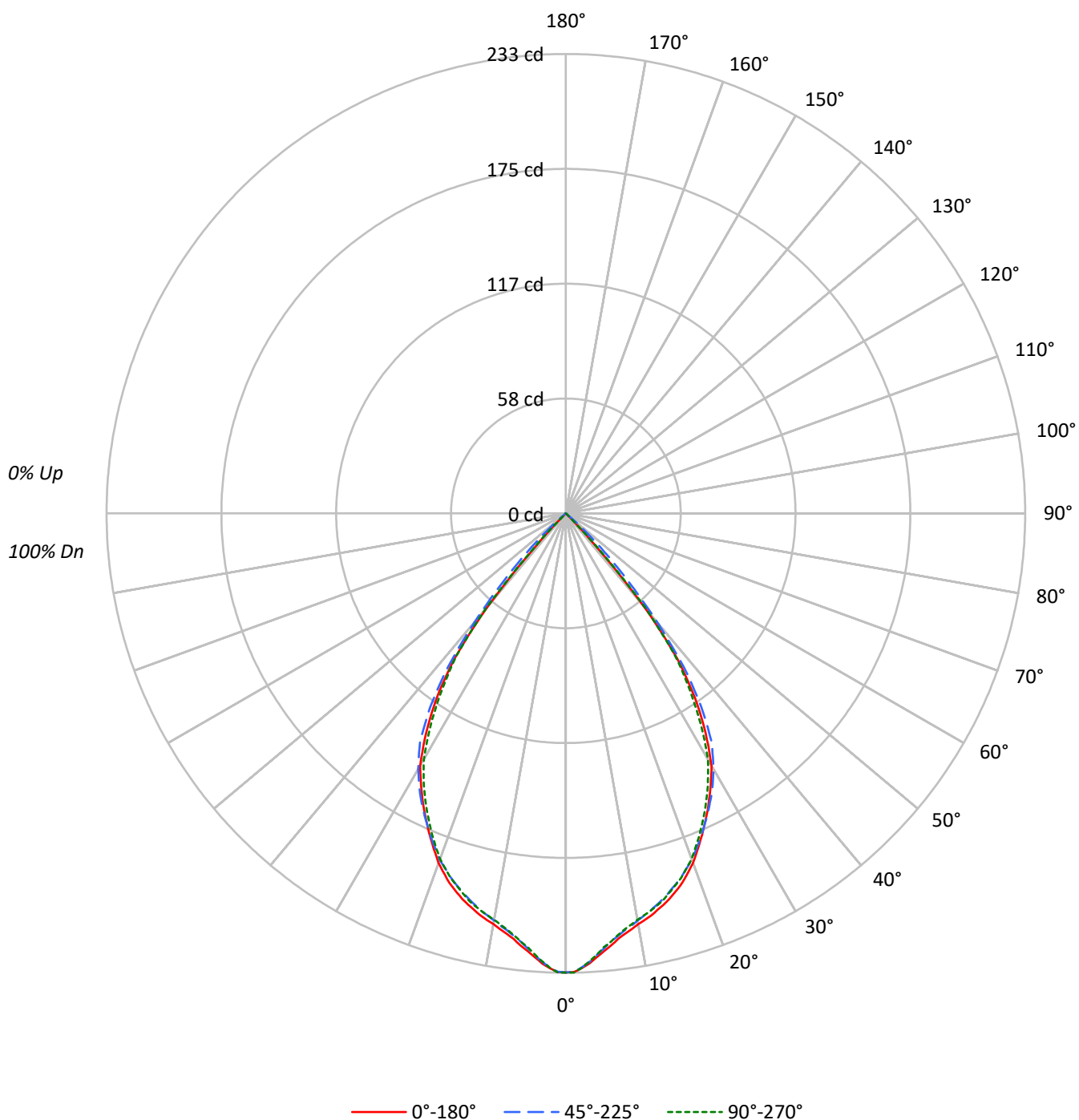
Lumens per Lamp: N/A
Luminaire Lumens: 241.0 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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

TEST NUMBER: P1312029

CATALOG NUMBER: P3SQAS02R709727DE010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1312029

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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	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	98	95	105	101	97	94	98	95	92		95	92	90		92
3	102	95	90	86	100	94	89	85	91	87	84		89	86	83		87
4	96	89	83	79	95	88	82	78	85	81	77		83	79	76		81
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77
6	86	77	71	67	85	76	71	66	75	70	66		73	69	65		72
7	82	72	66	62	80	71	66	61	70	65	61		69	64	61		68
8	78	68	61	57	76	67	61	57	66	61	57		65	60	57		64
9	74	63	57	53	72	63	57	53	62	57	53		61	56	53		60
10	70	60	54	50	69	59	53	50	58	53	49		58	53	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	40111	40111	40111
5°	38518	38293	38189
10°	36987	36672	36602
15°	36123	35606	35677
20°	34584	34254	34181
25°	32115	32191	31677
30°	29392	29790	28657
35°	24031	25187	23106
40°	13826	16120	14209
45°	195	6698	706
50°	0	697	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 6698 cd/sqm

TEST NUMBER: P1312029

CATALOG NUMBER: P3SQAS02R709727DE010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.8	8.6
10°-20°	56.3	23.4
20°-30°	77.4	32.1
30°-40°	70.1	29.1
40°-50°	16.3	6.8
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	154.5	64.1
0°-40°	224.6	93.2
0°-60°	241.0	100.0
0°-90°	241.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	241.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	233	233	233	233	233	
5°	223	222	222	221	221	21
15°	203	201	200	200	200	57
25°	169	170	169	168	167	78
35°	114	116	120	115	110	69
45°	1	9	28	12	3	10
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1312029

CATALOG NUMBER: P3SQAS02R709727DE010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	232.9	232.9	232.9	232.9	232.9
1°	232.7	232.3	232.5	232.7	232.9
2°	230.9	230.5	230.5	230.7	230.7
3°	228.7	227.9	227.9	227.6	227.6
4°	225.6	225.0	224.6	224.4	224.4
5°	222.8	222.1	221.5	221.1	220.9
6°	220.3	219.3	218.5	218.3	218.5
7°	217.5	216.8	216.0	215.4	215.6
8°	215.4	214.6	213.6	213.2	213.2
9°	213.6	212.8	211.8	210.9	211.3
10°	211.5	210.7	209.7	209.1	209.3
11°	210.1	209.1	207.9	207.5	207.7
12°	208.5	207.3	206.0	205.8	206.2
13°	206.5	205.2	204.0	204.0	204.4
14°	204.6	203.2	202.0	202.0	202.6
15°	202.6	201.2	199.7	199.7	200.1
17.5°	196.5	195.2	193.8	193.8	194.0
20°	188.7	188.1	186.9	186.3	186.5
22.5°	178.9	178.9	178.3	177.3	176.9
25°	169.0	169.8	169.4	167.7	166.7
27.5°	158.6	160.0	160.2	157.7	155.9
30°	147.8	149.0	149.8	146.9	144.1
32.5°	131.9	135.5	137.6	133.7	127.8
35°	114.3	116.0	119.8	114.7	109.9
37.5°	92.9	95.0	98.2	94.2	91.3
40°	61.5	69.7	71.7	69.7	63.2
42.5°	22.2	39.1	47.1	39.9	26.1
45°	0.8	9.2	27.5	11.8	2.9
47.5°	0.0	0.2	12.4	0.4	0.0
50°	0.0	0.0	2.6	0.0	0.0
52.5°	0.0	0.0	0.2	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1312029

CATALOG NUMBER: P3SQAS02R709727DE010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)