

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: P1313494

Luminaire Tested: P3SQAS13R709730DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313494
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: P3SQAS13R709730DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

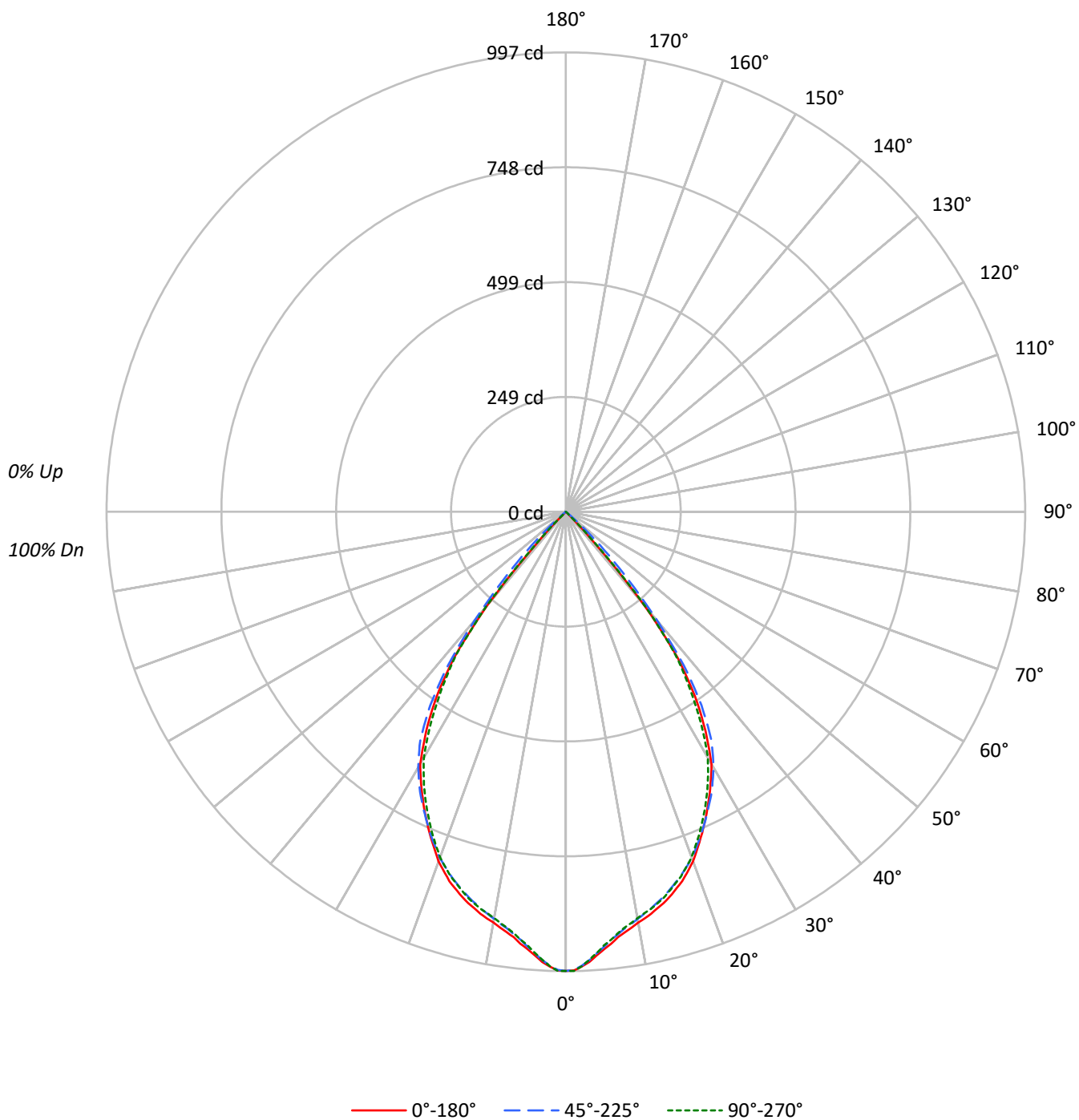
Lumens per Lamp: N/A
Luminaire Lumens: 1031.0 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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

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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	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°	171637	171637	171637
5°	164755	163839	163389
10°	158266	156902	156587
15°	154513	152338	152659
20°	147977	146529	146217
25°	137351	137674	135527
30°	125703	127433	122581
35°	102831	107793	98794
40°	59195	68997	60769
45°	852	28667	2971
50°	0	3028	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: 28667 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.9	8.6
10°-20°	240.9	23.4
20°-30°	331.0	32.1
30°-40°	300.1	29.1
40°-50°	69.7	6.8
50°-60°	0.4	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°	660.8	64.1
0°-40°	960.9	93.2
0°-60°	1031.0	100.0
0°-90°	1031.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1031.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	997	997	997	997	997	
5°	953	950	948	946	945	89
15°	867	860	854	854	856	243
25°	723	726	724	718	713	332
35°	489	496	513	491	470	294
45°	4	39	118	51	12	42
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	996.6	996.6	996.6	996.6	996.6
1°	995.7	993.9	994.8	995.7	996.6
2°	987.8	986.1	986.1	987.0	987.0
3°	978.2	974.8	974.8	973.9	973.9
4°	965.2	962.5	960.8	959.9	959.9
5°	953.0	950.3	947.7	946.0	945.1
6°	942.5	938.1	934.6	933.8	934.6
7°	930.3	927.7	924.2	921.6	922.4
8°	921.6	918.1	913.7	912.0	912.0
9°	913.7	910.2	905.9	902.4	904.1
10°	905.0	901.5	897.2	894.5	895.4
11°	898.9	894.5	889.3	887.6	888.4
12°	891.9	886.7	881.5	880.6	882.3
13°	883.2	878.0	872.7	872.7	874.5
14°	875.4	869.3	864.0	864.0	866.6
15°	866.6	860.5	854.4	854.4	856.2
17.5°	840.5	835.3	829.2	829.2	830.0
20°	807.4	804.7	799.5	796.9	797.8
22.5°	765.5	765.5	762.9	758.5	756.8
25°	722.8	726.3	724.5	717.6	713.2
27.5°	678.3	684.4	685.3	674.8	667.0
30°	632.1	637.3	640.8	628.6	616.4
32.5°	564.1	579.8	588.5	571.9	546.7
35°	489.1	496.1	512.7	490.9	469.9
37.5°	397.6	406.3	420.2	402.8	390.6
40°	263.3	298.2	306.9	298.2	270.3
42.5°	95.0	167.4	201.4	170.9	111.6
45°	3.5	39.2	117.7	50.6	12.2
47.5°	0.0	0.9	53.2	1.7	0.0
50°	0.0	0.0	11.3	0.0	0.0
52.5°	0.0	0.0	0.9	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



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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)