

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: P1314298

Luminaire Tested: P3SQAS09R709735DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314298
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: P3SQAS09R709735DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

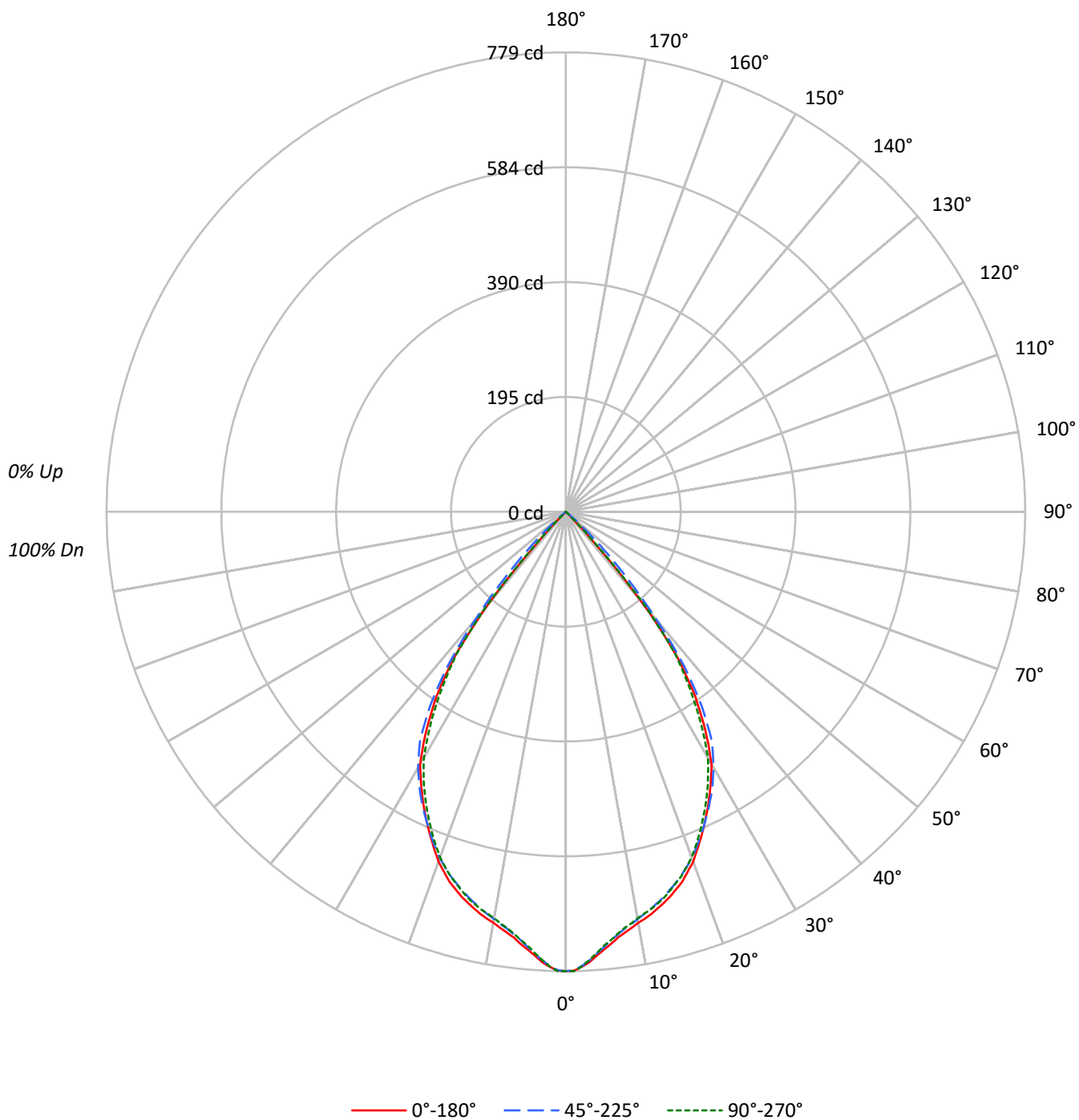
Lumens per Lamp: N/A
Luminaire Lumens: 806.0 lumens
Efficiency: N/A
Efficacy: 72.6 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1314298

CATALOG NUMBER: P3SQAS09R709735DE010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1314298

CATALOG NUMBER: P3SQAS09R709735DE010 E3SQCD1MB

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°	134179	134179	134179
5°	128796	128087	127741
10°	123727	122660	122416
15°	120797	119103	119335
20°	115683	114547	114309
25°	107365	107631	105940
30°	98279	99632	95833
35°	80398	84266	77244
40°	46268	53934	47505
45°	658	22407	2314
50°	0	2385	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: 22407 cd/sqm

TEST NUMBER: P1314298

CATALOG NUMBER: P3SQAS09R709735DE010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.5	8.6
10°-20°	188.3	23.4
20°-30°	258.7	32.1
30°-40°	234.6	29.1
40°-50°	54.5	6.8
50°-60°	0.3	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°	516.6	64.1
0°-40°	751.2	93.2
0°-60°	806.0	100.0
0°-90°	806.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	806.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	779	779	779	779	779	
5°	745	743	741	740	739	70
15°	678	673	668	668	669	190
25°	565	568	566	561	558	259
35°	382	388	401	384	367	230
45°	3	31	92	40	10	33
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: P1314298

CATALOG NUMBER: P3SQAS09R709735DE010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	779.1	779.1	779.1	779.1	779.1
1°	778.4	777.0	777.7	778.4	779.1
2°	772.3	770.9	770.9	771.6	771.6
3°	764.8	762.0	762.0	761.3	761.3
4°	754.5	752.5	751.1	750.4	750.4
5°	745.0	742.9	740.9	739.5	738.9
6°	736.8	733.4	730.7	730.0	730.7
7°	727.3	725.2	722.5	720.5	721.1
8°	720.5	717.7	714.3	713.0	713.0
9°	714.3	711.6	708.2	705.5	706.8
10°	707.5	704.8	701.4	699.3	700.0
11°	702.7	699.3	695.2	693.9	694.6
12°	697.3	693.2	689.1	688.4	689.8
13°	690.5	686.4	682.3	682.3	683.6
14°	684.3	679.6	675.5	675.5	677.5
15°	677.5	672.7	668.0	668.0	669.3
17.5°	657.1	653.0	648.2	648.2	648.9
20°	631.2	629.1	625.0	623.0	623.7
22.5°	598.4	598.4	596.4	593.0	591.6
25°	565.0	567.8	566.4	561.0	557.5
27.5°	530.3	535.1	535.7	527.6	521.4
30°	494.2	498.2	501.0	491.4	481.9
32.5°	441.0	453.3	460.1	447.1	427.4
35°	382.4	387.8	400.8	383.7	367.4
37.5°	310.8	317.6	328.5	314.9	305.4
40°	205.8	233.1	239.9	233.1	211.3
42.5°	74.3	130.9	157.4	133.6	87.2
45°	2.7	30.7	92.0	39.5	9.5
47.5°	0.0	0.7	41.6	1.4	0.0
50°	0.0	0.0	8.9	0.0	0.0
52.5°	0.0	0.0	0.7	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: P1314298

CATALOG NUMBER: P3SQAS09R709735DE010 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)