

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: P1312546

Luminaire Tested: P3SQAS17R159727DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312546
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R159727DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

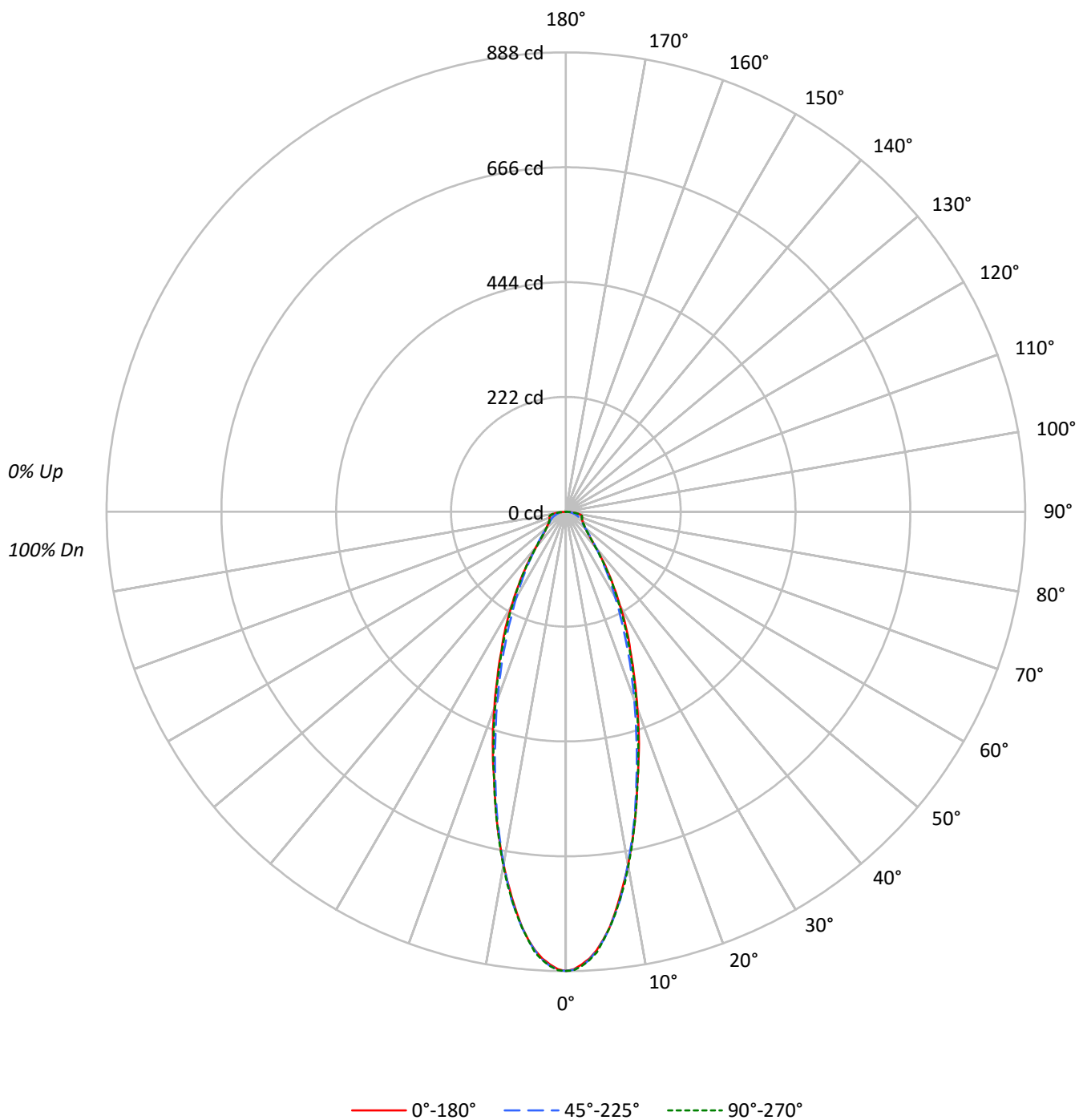
Lumens per Lamp: N/A
Luminaire Lumens: 595.0 lumens
Efficiency: N/A
Efficacy: 28.1 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	111	108	104	101	109	105	102	100	101	99	96		97	95	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	98	90	84	79	96	88	83	78	86	81	77		83	79	76		81
4	92	83	76	71	90	82	76	71	80	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	69	64		72	68	64		71
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67
7	78	68	61	56	77	67	60	56	66	60	56		64	59	55		63
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	71	60	54	49	70	60	53	49	59	53	49		58	53	49		57
10	68	57	51	47	67	57	51	47	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	152865	152865	152865
5°	143560	143750	143750
10°	121261	120894	121646
15°	95372	94034	95568
20°	74117	70763	73127
25°	55944	52048	55127
30°	41603	37963	40748
35°	29708	27668	29245
40°	20121	20369	19874
45°	14979	15758	14979
50°	12995	12995	12995
55°	12641	11980	12641
60°	12986	11883	12641
65°	14059	12307	14059
70°	16818	12488	16818
75°	21560	12909	21560
80°	26778	13885	25687
85°	21341	12844	23515

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 26778 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.9	12.6
10°-20°	148.0	24.9
20°-30°	130.8	22.0
30°-40°	85.9	14.4
40°-50°	50.2	8.4
50°-60°	37.0	6.2
60°-70°	31.5	5.3
70°-80°	26.0	4.4
80°-90°	10.8	1.8
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°	353.6	59.4
0°-40°	439.6	73.9
0°-60°	526.7	88.5
0°-90°	595.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	595.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	888	888	888	888	888	
5°	830	830	832	833	832	75
15°	535	535	527	534	536	150
25°	294	285	274	282	290	136
35°	141	136	132	135	139	89
45°	62	62	65	62	62	49
55°	42	41	40	41	42	38
65°	34	31	30	31	34	34
75°	32	24	19	25	32	33
85°	11	12	6	11	12	12
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	887.6	887.6	887.6	887.6	887.6
1°	884.3	885.4	885.4	886.5	886.5
2°	875.7	877.9	878.9	878.9	878.9
3°	864.9	866.0	867.1	868.1	868.1
4°	849.8	850.9	850.9	853.0	854.1
5°	830.4	830.4	831.5	832.6	831.5
6°	807.8	807.8	808.8	808.8	808.8
7°	780.8	781.9	783.0	784.0	783.0
8°	751.7	752.8	756.0	756.0	754.9
9°	722.6	723.6	723.6	726.9	726.9
10°	693.4	693.4	691.3	693.4	695.6
12.5°	614.7	613.6	610.4	613.6	615.8
15°	534.9	534.9	527.4	533.8	536.0
17.5°	470.2	460.5	452.9	459.4	464.8
20°	404.4	394.7	386.1	392.6	399.0
22.5°	345.1	337.6	326.8	333.2	340.8
25°	294.4	284.7	273.9	281.5	290.1
27.5°	252.4	239.4	228.6	237.3	244.8
30°	209.2	200.6	190.9	197.4	204.9
32.5°	172.6	166.1	158.5	163.9	170.4
35°	141.3	135.9	131.6	134.8	139.1
37.5°	113.2	111.1	108.9	110.0	110.0
40°	89.5	90.6	90.6	90.6	88.4
42.5°	73.3	74.4	76.6	74.4	73.3
45°	61.5	62.5	64.7	62.5	61.5
47.5°	53.9	55.0	56.1	53.9	53.9
50°	48.5	48.5	48.5	48.5	48.5
52.5°	45.3	44.2	44.2	44.2	45.3
55°	42.1	41.0	39.9	41.0	42.1
57.5°	38.8	37.7	36.7	37.7	38.8
60°	37.7	35.6	34.5	35.6	36.7
62.5°	35.6	33.4	32.4	33.4	35.6
65°	34.5	31.3	30.2	31.3	34.5
67.5°	33.4	29.1	27.0	29.1	33.4
70°	33.4	27.0	24.8	28.0	33.4
72.5°	32.4	25.9	21.6	25.9	32.4
75°	32.4	23.7	19.4	24.8	32.4
77.5°	30.2	21.6	16.2	22.6	30.2
80°	27.0	19.4	14.0	20.5	25.9
82.5°	19.4	16.2	10.8	16.2	19.4
85°	10.8	11.9	6.5	10.8	11.9
87.5°	1.1	3.2	2.2	6.5	5.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)