

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: P1314344

Luminaire Tested: P3SQAS13R159735DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314344
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: P3SQAS13R159735DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

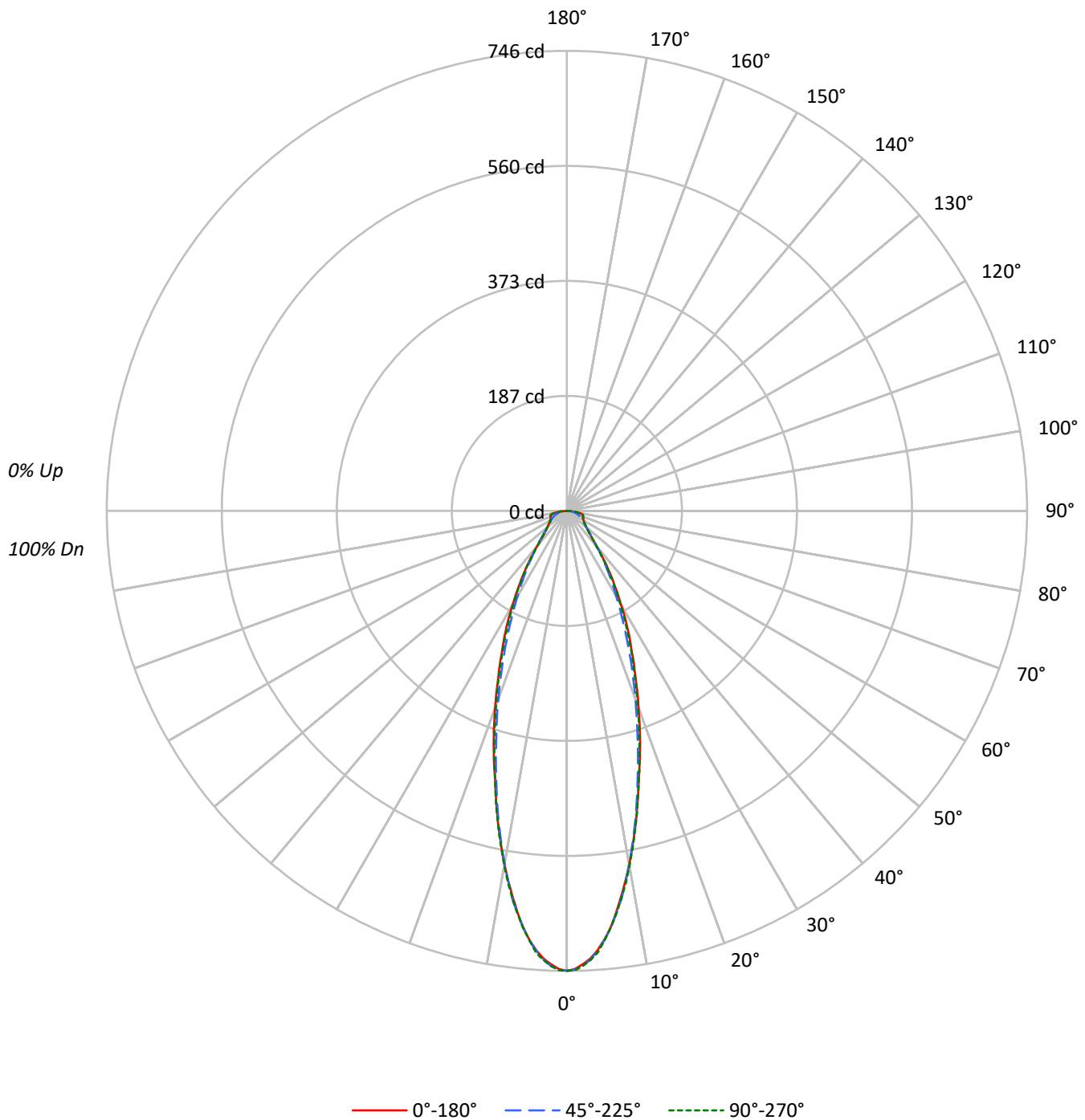
Lumens per Lamp: N/A
Luminaire Lumens: 500.0 lumens
Efficiency: N/A
Efficacy: 34.2 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	128444	128444	128444
5°	120636	120792	120792
10°	101902	101587	102217
15°	80145	79022	80305
20°	62277	59455	61452
25°	47013	43744	46328
30°	34961	31898	34245
35°	24956	23253	24578
40°	16907	17109	16704
45°	12592	13250	12592
50°	10932	10932	10932
55°	10599	10059	10599
60°	10919	9989	10609
65°	11818	10351	11818
70°	14150	10474	14150
75°	18099	10846	18099
80°	22514	11703	21621
85°	17982	10671	19760

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 22514 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.9	12.6
10°-20°	124.4	24.9
20°-30°	109.9	22.0
30°-40°	72.2	14.4
40°-50°	42.2	8.4
50°-60°	31.1	6.2
60°-70°	26.5	5.3
70°-80°	21.8	4.4
80°-90°	9.0	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°	297.2	59.4
0°-40°	369.4	73.9
0°-60°	442.6	88.5
0°-90°	500.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	500.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	746	746	746	746	746	
5°	698	698	699	700	699	63
15°	450	450	443	449	450	126
25°	247	239	230	236	244	114
35°	119	114	111	113	117	75
45°	52	53	54	53	52	42
55°	35	34	34	34	35	32
65°	29	26	25	26	29	29
75°	27	20	16	21	27	28
85°	9	10	5	9	10	10
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	745.8	745.8	745.8	745.8	745.8
1°	743.1	744.0	744.0	744.9	744.9
2°	735.9	737.7	738.6	738.6	738.6
3°	726.8	727.7	728.6	729.5	729.5
4°	714.1	715.0	715.0	716.8	717.8
5°	697.8	697.8	698.7	699.6	698.7
6°	678.8	678.8	679.7	679.7	679.7
7°	656.1	657.0	657.9	658.8	657.9
8°	631.7	632.6	635.3	635.3	634.4
9°	607.2	608.1	608.1	610.8	610.8
10°	582.7	582.7	580.9	582.7	584.5
12.5°	516.6	515.7	512.9	515.7	517.5
15°	449.5	449.5	443.2	448.6	450.4
17.5°	395.1	387.0	380.6	386.1	390.6
20°	339.8	331.7	324.4	329.9	335.3
22.5°	290.0	283.7	274.6	280.0	286.4
25°	247.4	239.3	230.2	236.5	243.8
27.5°	212.1	201.2	192.1	199.4	205.7
30°	175.8	168.6	160.4	165.8	172.2
32.5°	145.0	139.6	133.2	137.8	143.2
35°	118.7	114.2	110.6	113.3	116.9
37.5°	95.2	93.3	91.5	92.4	92.4
40°	75.2	76.1	76.1	76.1	74.3
42.5°	61.6	62.5	64.3	62.5	61.6
45°	51.7	52.6	54.4	52.6	51.7
47.5°	45.3	46.2	47.1	45.3	45.3
50°	40.8	40.8	40.8	40.8	40.8
52.5°	38.1	37.2	37.2	37.2	38.1
55°	35.3	34.4	33.5	34.4	35.3
57.5°	32.6	31.7	30.8	31.7	32.6
60°	31.7	29.9	29.0	29.9	30.8
62.5°	29.9	28.1	27.2	28.1	29.9
65°	29.0	26.3	25.4	26.3	29.0
67.5°	28.1	24.5	22.7	24.5	28.1
70°	28.1	22.7	20.8	23.6	28.1
72.5°	27.2	21.8	18.1	21.8	27.2
75°	27.2	19.9	16.3	20.8	27.2
77.5°	25.4	18.1	13.6	19.0	25.4
80°	22.7	16.3	11.8	17.2	21.8
82.5°	16.3	13.6	9.1	13.6	16.3
85°	9.1	10.0	5.4	9.1	10.0
87.5°	0.9	2.7	1.8	5.4	4.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)