

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: P1313372

Luminaire Tested: P3SQAS13R159730DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313372
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: P3SQAS13R159730DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

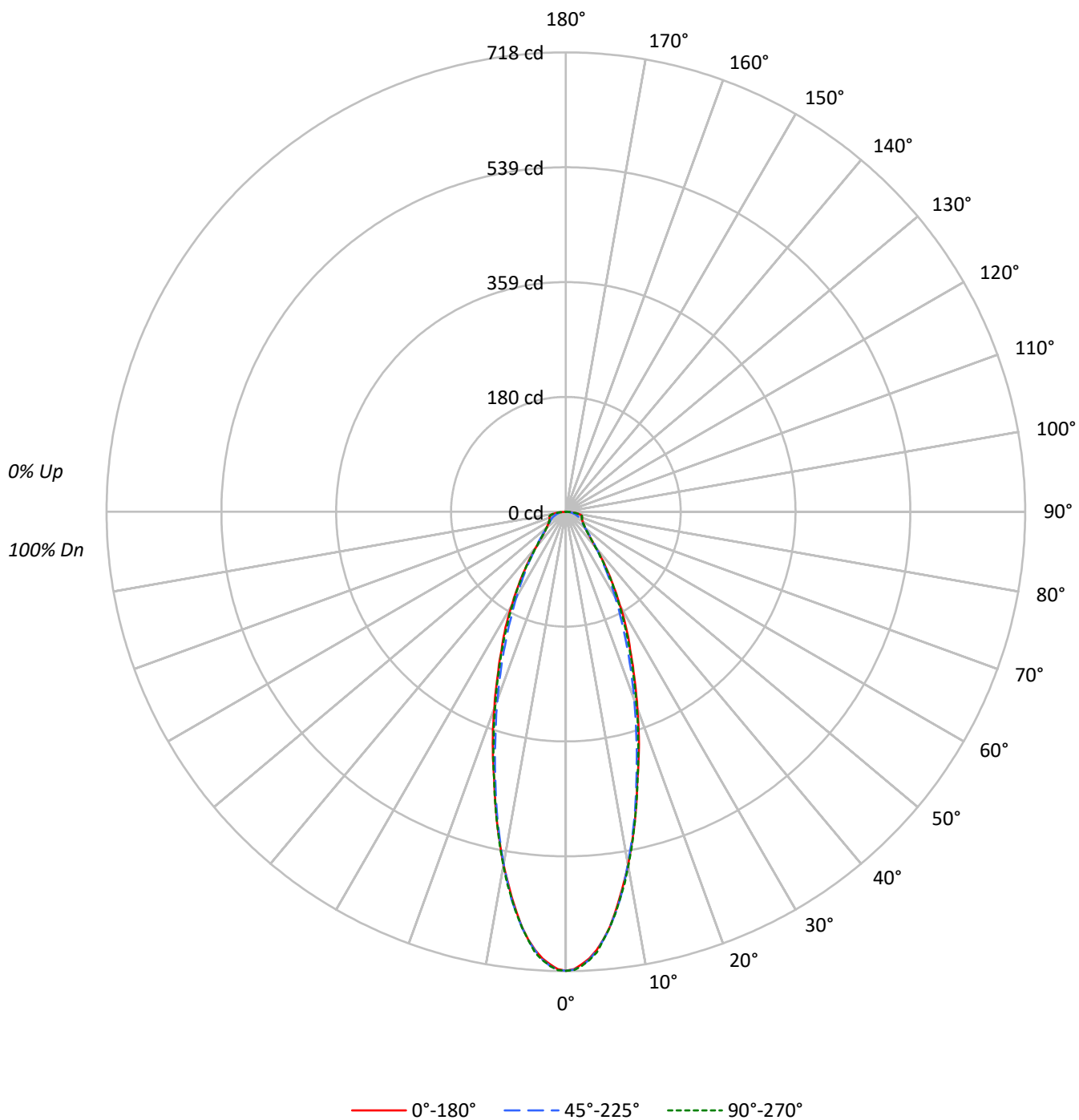
Lumens per Lamp: N/A
Luminaire Lumens: 481.0 lumens
Efficiency: N/A
Efficacy: 32.9 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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		73	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°	123570	123570	123570
5°	116055	116210	116210
10°	98037	97723	98335
15°	77096	76008	77257
20°	59913	57200	59125
25°	45226	42072	44561
30°	33628	30685	32932
35°	24010	22370	23653
40°	16277	16457	16075
45°	12105	12738	12105
50°	10503	10503	10503
55°	10209	9698	10209
60°	10506	9610	10196
65°	11370	9943	11370
70°	13596	10121	13596
75°	17434	10447	17434
80°	21621	11207	20728
85°	17191	10275	18970

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 21621 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.5	12.6
10°-20°	119.6	24.9
20°-30°	105.7	22.0
30°-40°	69.5	14.4
40°-50°	40.6	8.4
50°-60°	29.9	6.2
60°-70°	25.5	5.3
70°-80°	21.0	4.4
80°-90°	8.7	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°	285.9	59.4
0°-40°	355.3	73.9
0°-60°	425.8	88.5
0°-90°	481.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	481.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	718	718	718	718	718	
5°	671	671	672	673	672	60
15°	432	432	426	432	433	121
25°	238	230	221	228	234	110
35°	114	110	106	109	112	72
45°	50	51	52	51	50	40
55°	34	33	32	33	34	31
65°	28	25	24	25	28	28
75°	26	19	16	20	26	27
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°	717.5	717.5	717.5	717.5	717.5
1°	714.9	715.8	715.8	716.6	716.6
2°	707.9	709.7	710.5	710.5	710.5
3°	699.2	700.1	700.9	701.8	701.8
4°	687.0	687.9	687.9	689.6	690.5
5°	671.3	671.3	672.2	673.0	672.2
6°	653.0	653.0	653.9	653.9	653.9
7°	631.2	632.1	632.9	633.8	632.9
8°	607.7	608.5	611.1	611.1	610.3
9°	584.1	585.0	585.0	587.6	587.6
10°	560.6	560.6	558.8	560.6	562.3
12.5°	496.9	496.1	493.4	496.1	497.8
15°	432.4	432.4	426.3	431.5	433.3
17.5°	380.1	372.3	366.2	371.4	375.8
20°	326.9	319.1	312.1	317.3	322.6
22.5°	279.0	272.9	264.2	269.4	275.5
25°	238.0	230.2	221.4	227.5	234.5
27.5°	204.0	193.5	184.8	191.8	197.9
30°	169.1	162.2	154.3	159.5	165.6
32.5°	139.5	134.3	128.2	132.5	137.7
35°	114.2	109.8	106.4	109.0	112.5
37.5°	91.5	89.8	88.1	88.9	88.9
40°	72.4	73.2	73.2	73.2	71.5
42.5°	59.3	60.2	61.9	60.2	59.3
45°	49.7	50.6	52.3	50.6	49.7
47.5°	43.6	44.5	45.3	43.6	43.6
50°	39.2	39.2	39.2	39.2	39.2
52.5°	36.6	35.7	35.7	35.7	36.6
55°	34.0	33.1	32.3	33.1	34.0
57.5°	31.4	30.5	29.6	30.5	31.4
60°	30.5	28.8	27.9	28.8	29.6
62.5°	28.8	27.0	26.2	27.0	28.8
65°	27.9	25.3	24.4	25.3	27.9
67.5°	27.0	23.5	21.8	23.5	27.0
70°	27.0	21.8	20.1	22.7	27.0
72.5°	26.2	20.9	17.4	20.9	26.2
75°	26.2	19.2	15.7	20.1	26.2
77.5°	24.4	17.4	13.1	18.3	24.4
80°	21.8	15.7	11.3	16.6	20.9
82.5°	15.7	13.1	8.7	13.1	15.7
85°	8.7	9.6	5.2	8.7	9.6
87.5°	0.9	2.6	1.7	5.2	4.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)