

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: P1314359

Luminaire Tested: P3SQAS13R209735DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314359
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R209735DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

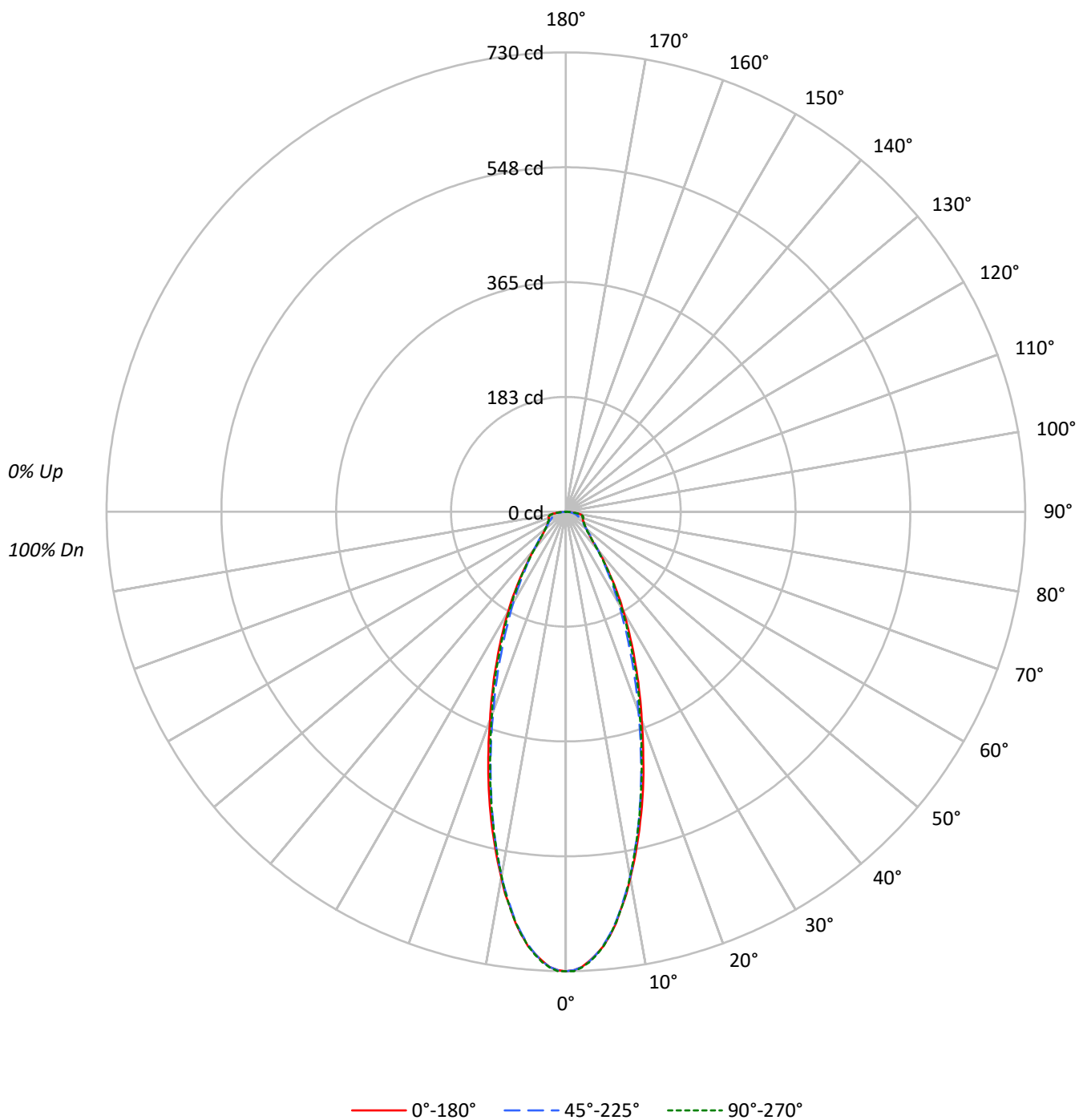
Lumens per Lamp: N/A
Luminaire Lumens: 515.0 lumens
Efficiency: N/A
Efficacy: 35.3 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	85	81	77		83	79	75		81
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	68	64		72	67	63		71
6	82	72	65	60	81	71	65	60	69	64	59		68	63	59		67
7	78	67	61	56	77	67	60	56	65	60	55		64	59	55		63
8	74	63	57	52	73	63	57	52	62	56	52		61	55	52		60
9	71	60	53	49	69	59	53	49	58	53	49		57	52	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	125774	125774	125774
5°	119668	119357	119668
10°	103301	102987	102829
15°	83836	81910	82231
20°	64586	61764	62937
25°	49065	45454	47697
30°	36392	33151	35319
35°	25713	24010	25335
40°	17716	17716	17311
45°	13030	13688	13030
50°	11414	11414	11414
55°	10869	10599	10869
60°	11229	10299	11229
65°	12185	10351	12185
70°	14603	10474	14603
75°	18698	11445	18698
80°	23406	11703	22514
85°	17982	10671	19760

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 23406 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.7	12.2
10°-20°	127.9	24.8
20°-30°	114.2	22.2
30°-40°	74.9	14.6
40°-50°	43.6	8.5
50°-60°	32.3	6.3
60°-70°	27.3	5.3
70°-80°	22.6	4.4
80°-90°	9.4	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°	304.8	59.2
0°-40°	379.7	73.7
0°-60°	455.7	88.5
0°-90°	515.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	515.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	730	730	730	730	730	
5°	692	691	690	691	692	63
15°	470	466	459	460	461	130
25°	258	251	239	246	251	119
35°	122	119	114	118	120	78
45°	54	54	56	54	54	43
55°	36	35	35	35	36	33
65°	30	27	25	27	30	30
75°	28	21	17	21	28	29
85°	9	10	5	10	10	11
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	730.3	730.3	730.3	730.3	730.3
1°	728.5	729.4	728.5	729.4	730.3
2°	723.9	724.8	723.9	723.9	724.8
3°	714.9	715.8	715.8	715.8	716.7
4°	704.0	704.9	704.0	704.9	705.8
5°	692.2	691.3	690.4	691.3	692.2
6°	675.9	675.0	674.1	675.0	675.9
7°	657.8	656.9	656.0	656.0	656.9
8°	635.1	636.0	633.3	635.1	636.0
9°	615.2	613.4	611.6	611.6	613.4
10°	590.7	588.9	588.9	588.0	588.0
12.5°	530.9	527.3	524.6	524.6	525.5
15°	470.2	465.7	459.4	460.3	461.2
17.5°	409.5	404.1	395.9	397.8	399.6
20°	352.4	347.0	337.0	340.7	343.4
22.5°	303.5	295.4	286.3	289.0	298.1
25°	258.2	251.0	239.2	245.5	251.0
27.5°	218.4	210.2	200.2	206.6	212.0
30°	183.0	175.8	166.7	172.1	177.6
32.5°	151.3	145.0	138.6	142.2	146.8
35°	122.3	118.7	114.2	117.8	120.5
37.5°	98.8	96.9	95.1	96.9	96.0
40°	78.8	79.7	78.8	78.8	77.0
42.5°	62.5	65.2	66.1	64.3	62.5
45°	53.5	54.4	56.2	54.4	53.5
47.5°	47.1	47.1	48.0	47.1	46.2
50°	42.6	42.6	42.6	42.6	42.6
52.5°	39.0	39.0	38.1	39.0	39.0
55°	36.2	35.3	35.3	35.3	36.2
57.5°	34.4	33.5	32.6	33.5	34.4
60°	32.6	30.8	29.9	30.8	32.6
62.5°	30.8	29.0	28.1	29.0	30.8
65°	29.9	27.2	25.4	27.2	29.9
67.5°	29.0	25.4	23.6	25.4	29.9
70°	29.0	23.6	20.8	24.5	29.0
72.5°	28.1	22.7	19.0	22.7	28.1
75°	28.1	20.8	17.2	20.8	28.1
77.5°	26.3	19.0	14.5	19.0	26.3
80°	23.6	17.2	11.8	17.2	22.7
82.5°	17.2	14.5	9.1	14.5	17.2
85°	9.1	10.0	5.4	10.0	10.0
87.5°	0.9	3.6	1.8	5.4	4.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)