

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: P1309727

Luminaire Tested: P3SQAS02R209040DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309727
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: P3SQAS02R209040DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

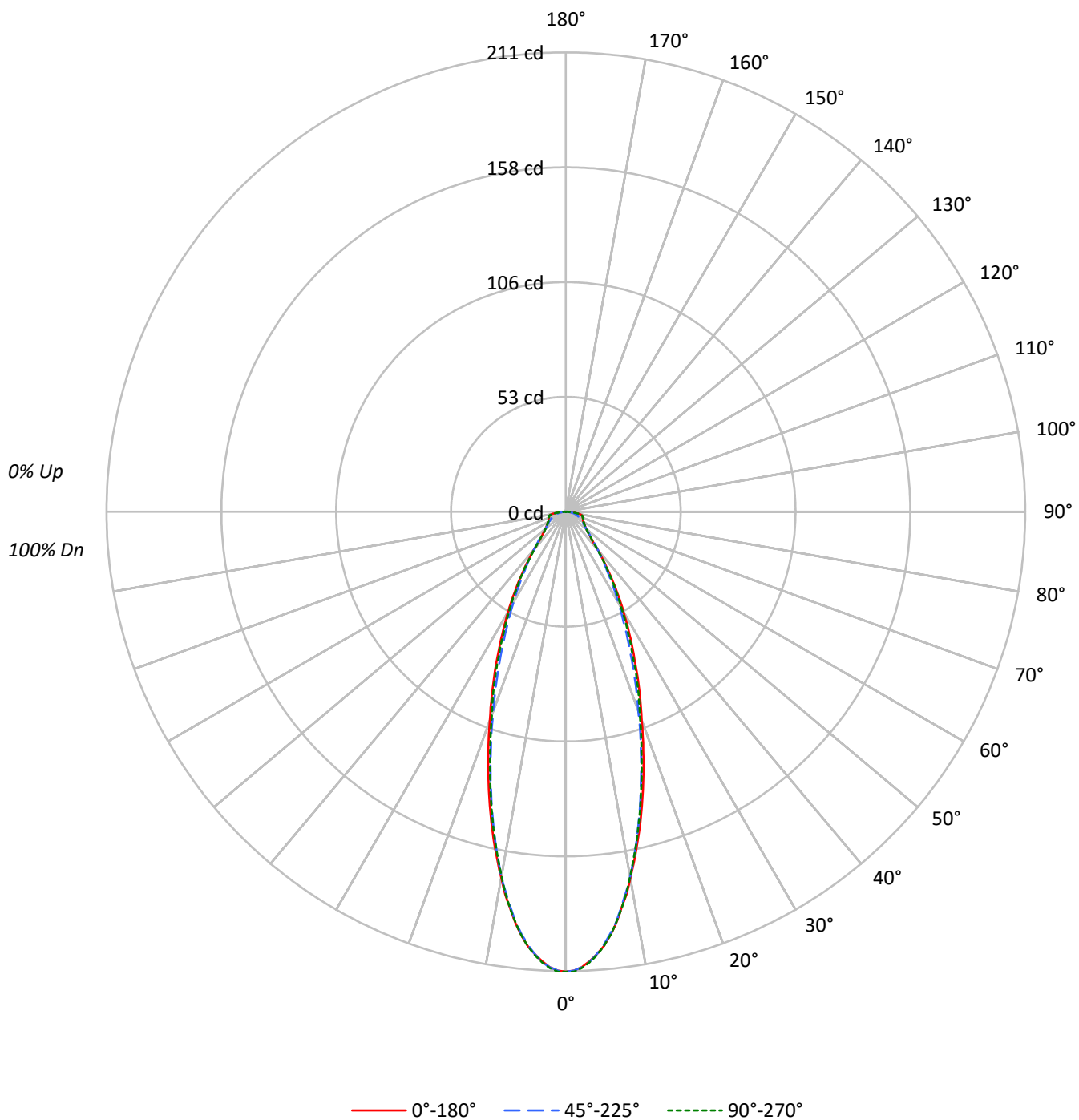
Lumens per Lamp: N/A
Luminaire Lumens: 149.0 lumens
Efficiency: N/A
Efficacy: 41.4 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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°	36391	36391	36391
5°	34628	34524	34628
10°	29887	29799	29747
15°	24249	23696	23785
20°	18694	17869	18199
25°	14195	13150	13796
30°	10540	9585	10222
35°	7443	6938	7338
40°	5126	5126	5014
45°	3775	3970	3775
50°	3296	3296	3296
55°	3153	3063	3153
60°	3238	2997	3238
65°	3545	2975	3545
70°	4230	3021	4230
75°	5390	3327	5390
80°	6744	3372	6546
85°	5138	3162	5730

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 6744 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.1	12.2
10°-20°	37.0	24.8
20°-30°	33.0	22.2
30°-40°	21.7	14.6
40°-50°	12.6	8.5
50°-60°	9.4	6.3
60°-70°	7.9	5.3
70°-80°	6.5	4.4
80°-90°	2.7	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°	88.2	59.2
0°-40°	109.9	73.7
0°-60°	131.8	88.5
0°-90°	149.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	149.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	211	211	211	211	211	
5°	200	200	200	200	200	18
15°	136	135	133	133	133	38
25°	75	73	69	71	73	34
35°	35	34	33	34	35	23
45°	16	16	16	16	16	12
55°	10	10	10	10	10	10
65°	9	8	7	8	9	9
75°	8	6	5	6	8	8
85°	3	3	2	3	3	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	211.3	211.3	211.3	211.3	211.3
1°	210.8	211.0	210.8	211.0	211.3
2°	209.4	209.7	209.4	209.4	209.7
3°	206.8	207.1	207.1	207.1	207.3
4°	203.7	203.9	203.7	203.9	204.2
5°	200.3	200.0	199.7	200.0	200.3
6°	195.6	195.3	195.0	195.3	195.6
7°	190.3	190.0	189.8	189.8	190.0
8°	183.8	184.0	183.2	183.8	184.0
9°	178.0	177.5	176.9	176.9	177.5
10°	170.9	170.4	170.4	170.1	170.1
12.5°	153.6	152.6	151.8	151.8	152.0
15°	136.0	134.7	132.9	133.2	133.4
17.5°	118.5	116.9	114.6	115.1	115.6
20°	102.0	100.4	97.5	98.6	99.3
22.5°	87.8	85.5	82.8	83.6	86.2
25°	74.7	72.6	69.2	71.0	72.6
27.5°	63.2	60.8	57.9	59.8	61.3
30°	53.0	50.9	48.2	49.8	51.4
32.5°	43.8	41.9	40.1	41.2	42.5
35°	35.4	34.3	33.0	34.1	34.9
37.5°	28.6	28.0	27.5	28.0	27.8
40°	22.8	23.1	22.8	22.8	22.3
42.5°	18.1	18.9	19.1	18.6	18.1
45°	15.5	15.7	16.3	15.7	15.5
47.5°	13.6	13.6	13.9	13.6	13.4
50°	12.3	12.3	12.3	12.3	12.3
52.5°	11.3	11.3	11.0	11.3	11.3
55°	10.5	10.2	10.2	10.2	10.5
57.5°	10.0	9.7	9.4	9.7	10.0
60°	9.4	8.9	8.7	8.9	9.4
62.5°	8.9	8.4	8.1	8.4	8.9
65°	8.7	7.9	7.3	7.9	8.7
67.5°	8.4	7.3	6.8	7.3	8.7
70°	8.4	6.8	6.0	7.1	8.4
72.5°	8.1	6.6	5.5	6.6	8.1
75°	8.1	6.0	5.0	6.0	8.1
77.5°	7.6	5.5	4.2	5.5	7.6
80°	6.8	5.0	3.4	5.0	6.6
82.5°	5.0	4.2	2.6	4.2	5.0
85°	2.6	2.9	1.6	2.9	2.9
87.5°	0.3	1.0	0.5	1.6	1.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)