

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: P1309712

Luminaire Tested: P3SQAS02R159040DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309712
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: P3SQAS02R159040DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

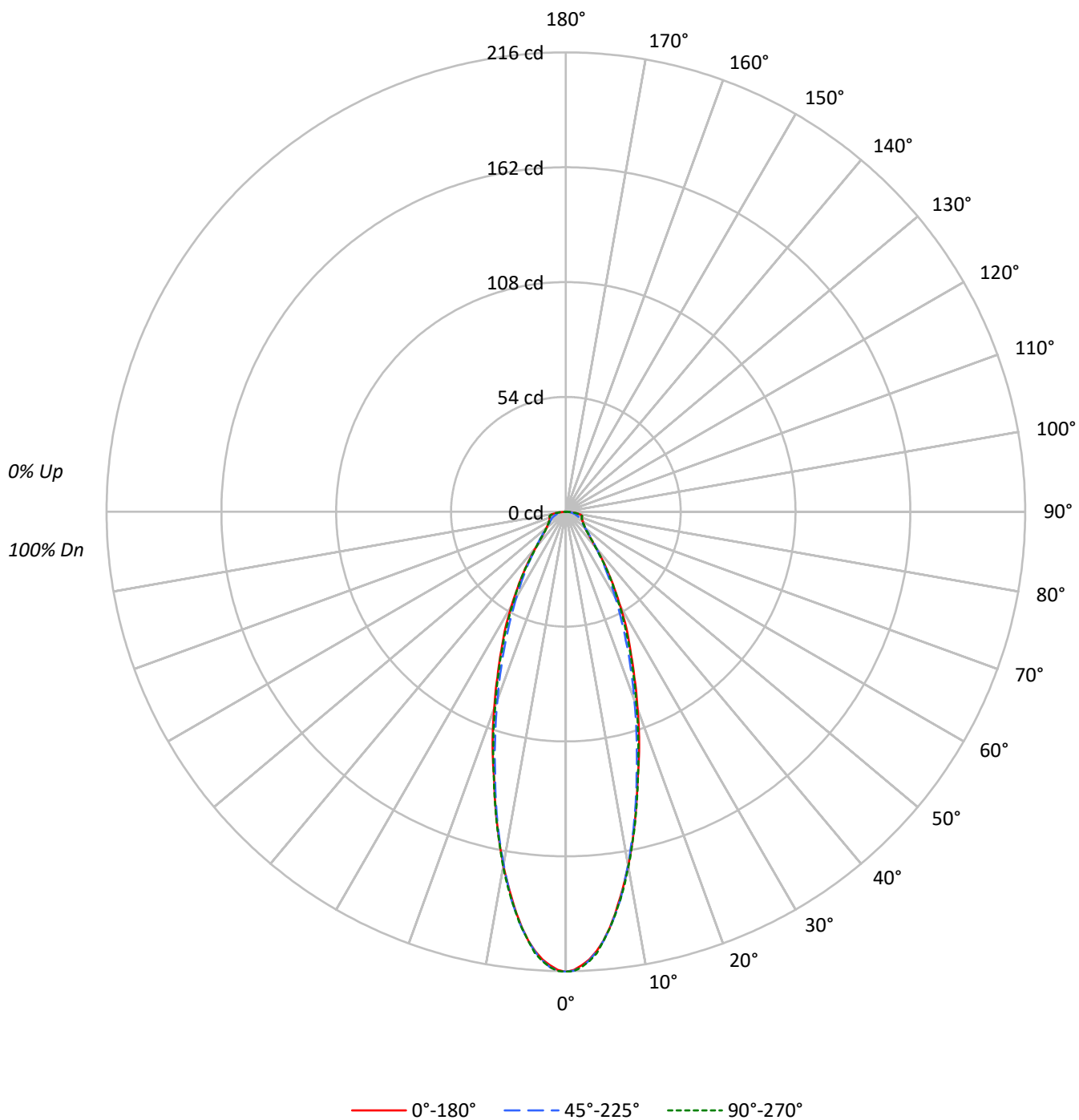
Lumens per Lamp: N/A
Luminaire Lumens: 145.0 lumens
Efficiency: N/A
Efficacy: 40.3 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	84		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	61	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	54	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°	37252	37252	37252
5°	34991	35026	35026
10°	29555	29467	29642
15°	23250	22911	23286
20°	18071	17246	17814
25°	13625	12694	13435
30°	10142	9247	9923
35°	7232	6749	7127
40°	4901	4969	4856
45°	3653	3848	3653
50°	3162	3162	3162
55°	3063	2913	3063
60°	3169	2893	3066
65°	3423	3016	3423
70°	4079	3021	4079
75°	5257	3127	5257
80°	6546	3372	6248
85°	5138	3162	5730

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 6546 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.2	12.6
10°-20°	36.1	24.9
20°-30°	31.9	22.0
30°-40°	20.9	14.4
40°-50°	12.2	8.4
50°-60°	9.0	6.2
60°-70°	7.7	5.3
70°-80°	6.3	4.4
80°-90°	2.6	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°	86.2	59.4
0°-40°	107.1	73.9
0°-60°	128.4	88.5
0°-90°	145.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	145.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	216	216	216	216	216	
5°	202	202	203	203	203	18
15°	130	130	128	130	131	36
25°	72	69	67	69	71	33
35°	34	33	32	33	34	22
45°	15	15	16	15	15	12
55°	10	10	10	10	10	9
65°	8	8	7	8	8	8
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°	216.3	216.3	216.3	216.3	216.3
1°	215.5	215.8	215.8	216.0	216.0
2°	213.4	213.9	214.2	214.2	214.2
3°	210.8	211.0	211.3	211.6	211.6
4°	207.1	207.4	207.4	207.9	208.1
5°	202.4	202.4	202.6	202.9	202.6
6°	196.8	196.8	197.1	197.1	197.1
7°	190.3	190.5	190.8	191.1	190.8
8°	183.2	183.4	184.2	184.2	184.0
9°	176.1	176.3	176.3	177.1	177.1
10°	169.0	169.0	168.5	169.0	169.5
12.5°	149.8	149.5	148.8	149.5	150.1
15°	130.4	130.4	128.5	130.1	130.6
17.5°	114.6	112.2	110.4	112.0	113.3
20°	98.6	96.2	94.1	95.7	97.2
22.5°	84.1	82.3	79.6	81.2	83.0
25°	71.7	69.4	66.8	68.6	70.7
27.5°	61.5	58.3	55.7	57.8	59.7
30°	51.0	48.9	46.5	48.1	49.9
32.5°	42.1	40.5	38.6	39.9	41.5
35°	34.4	33.1	32.1	32.9	33.9
37.5°	27.6	27.1	26.5	26.8	26.8
40°	21.8	22.1	22.1	22.1	21.6
42.5°	17.9	18.1	18.7	18.1	17.9
45°	15.0	15.2	15.8	15.2	15.0
47.5°	13.1	13.4	13.7	13.1	13.1
50°	11.8	11.8	11.8	11.8	11.8
52.5°	11.0	10.8	10.8	10.8	11.0
55°	10.2	10.0	9.7	10.0	10.2
57.5°	9.5	9.2	8.9	9.2	9.5
60°	9.2	8.7	8.4	8.7	8.9
62.5°	8.7	8.1	7.9	8.1	8.7
65°	8.4	7.6	7.4	7.6	8.4
67.5°	8.1	7.1	6.6	7.1	8.1
70°	8.1	6.6	6.0	6.8	8.1
72.5°	7.9	6.3	5.3	6.3	7.9
75°	7.9	5.8	4.7	6.0	7.9
77.5°	7.4	5.3	3.9	5.5	7.4
80°	6.6	4.7	3.4	5.0	6.3
82.5°	4.7	3.9	2.6	3.9	4.7
85°	2.6	2.9	1.6	2.6	2.9
87.5°	0.3	0.8	0.5	1.6	1.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)