

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: P1315765

Luminaire Tested: P3SQAS02R159827DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315765
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: P3SQAS02R159827DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

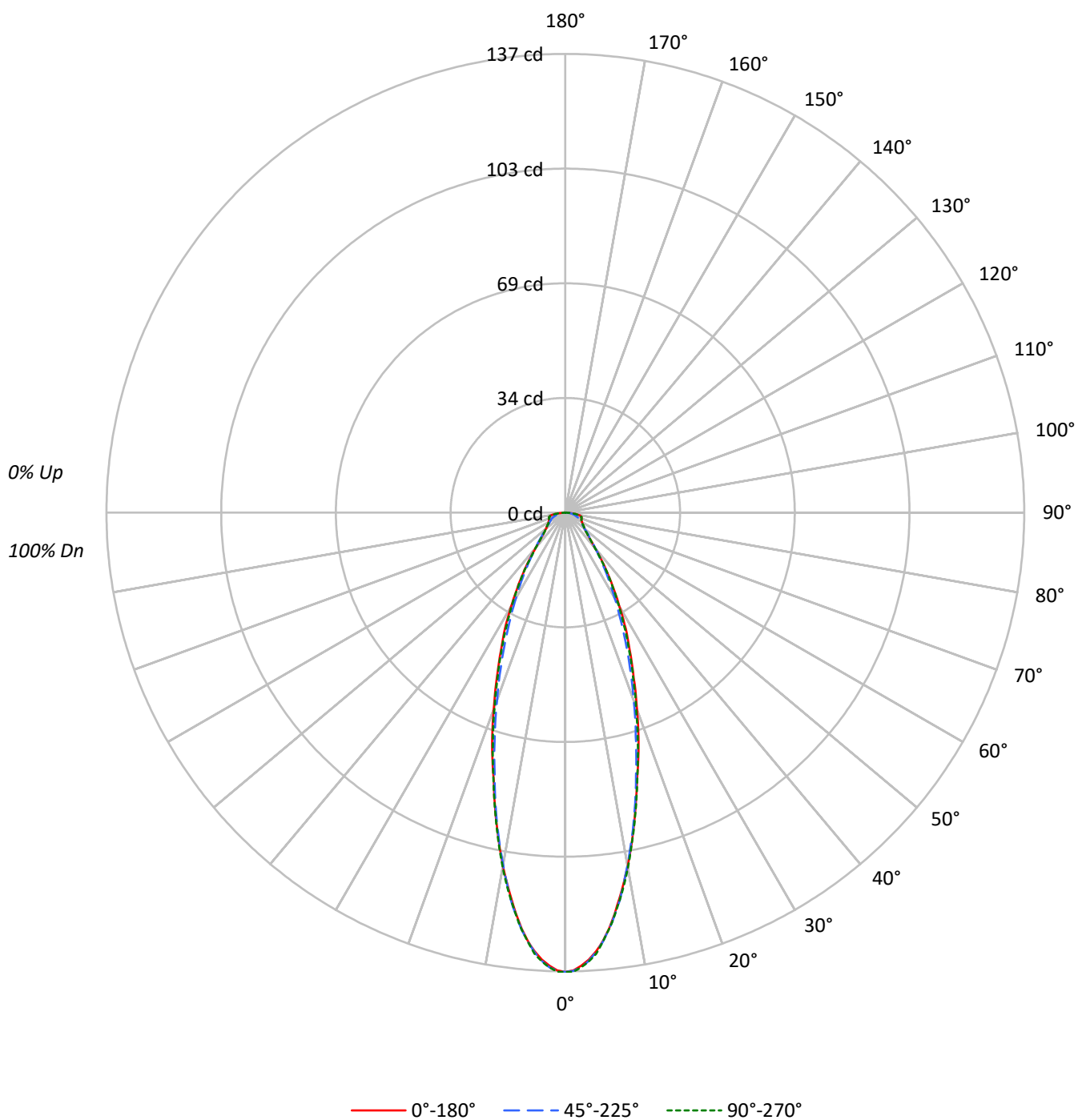
Lumens per Lamp: N/A
Luminaire Lumens: 92.0 lumens
Efficiency: N/A
Efficacy: 25.5 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	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°	23629	23629	23629
5°	22198	22232	22232
10°	18747	18695	18817
15°	14745	14531	14781
20°	11455	10942	11308
25°	8646	8057	8532
30°	6423	5867	6304
35°	4583	4268	4520
40°	3103	3147	3080
45°	2314	2436	2314
50°	2009	2009	2009
55°	1952	1862	1952
60°	1998	1826	1963
65°	2160	1915	2160
70°	2618	1913	2618
75°	3327	1996	3327
80°	4166	2182	3967
85°	3359	1976	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 4166 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.6	12.6
10°-20°	22.9	24.9
20°-30°	20.2	22.0
30°-40°	13.3	14.4
40°-50°	7.8	8.4
50°-60°	5.7	6.2
60°-70°	4.9	5.3
70°-80°	4.0	4.4
80°-90°	1.7	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°	54.7	59.5
0°-40°	68.0	73.9
0°-60°	81.4	88.5
0°-90°	92.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	92.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	137	137	137	137	137	
5°	128	128	129	129	129	12
15°	83	83	82	82	83	23
25°	46	44	42	44	45	21
35°	22	21	20	21	22	14
45°	10	10	10	10	10	8
55°	6	6	6	6	6	6
65°	5	5	5	5	5	5
75°	5	4	3	4	5	5
85°	2	2	1	2	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	137.2	137.2	137.2	137.2	137.2
1°	136.7	136.9	136.9	137.1	137.1
2°	135.4	135.7	135.9	135.9	135.9
3°	133.7	133.9	134.1	134.2	134.2
4°	131.4	131.6	131.6	131.9	132.1
5°	128.4	128.4	128.6	128.7	128.6
6°	124.9	124.9	125.1	125.1	125.1
7°	120.7	120.9	121.1	121.2	121.1
8°	116.2	116.4	116.9	116.9	116.7
9°	111.7	111.9	111.9	112.4	112.4
10°	107.2	107.2	106.9	107.2	107.6
12.5°	95.0	94.9	94.4	94.9	95.2
15°	82.7	82.7	81.5	82.5	82.9
17.5°	72.7	71.2	70.0	71.0	71.9
20°	62.5	61.0	59.7	60.7	61.7
22.5°	53.4	52.2	50.5	51.5	52.7
25°	45.5	44.0	42.4	43.5	44.9
27.5°	39.0	37.0	35.4	36.7	37.9
30°	32.3	31.0	29.5	30.5	31.7
32.5°	26.7	25.7	24.5	25.3	26.3
35°	21.8	21.0	20.3	20.8	21.5
37.5°	17.5	17.2	16.8	17.0	17.0
40°	13.8	14.0	14.0	14.0	13.7
42.5°	11.3	11.5	11.8	11.5	11.3
45°	9.5	9.7	10.0	9.7	9.5
47.5°	8.3	8.5	8.7	8.3	8.3
50°	7.5	7.5	7.5	7.5	7.5
52.5°	7.0	6.8	6.8	6.8	7.0
55°	6.5	6.3	6.2	6.3	6.5
57.5°	6.0	5.8	5.7	5.8	6.0
60°	5.8	5.5	5.3	5.5	5.7
62.5°	5.5	5.2	5.0	5.2	5.5
65°	5.3	4.8	4.7	4.8	5.3
67.5°	5.2	4.5	4.2	4.5	5.2
70°	5.2	4.2	3.8	4.3	5.2
72.5°	5.0	4.0	3.3	4.0	5.0
75°	5.0	3.7	3.0	3.8	5.0
77.5°	4.7	3.3	2.5	3.5	4.7
80°	4.2	3.0	2.2	3.2	4.0
82.5°	3.0	2.5	1.7	2.5	3.0
85°	1.7	1.8	1.0	1.7	1.8
87.5°	0.2	0.5	0.3	1.0	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)