

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: P1309744

Luminaire Tested: P3SQAS02R259040DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309744
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R259040DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

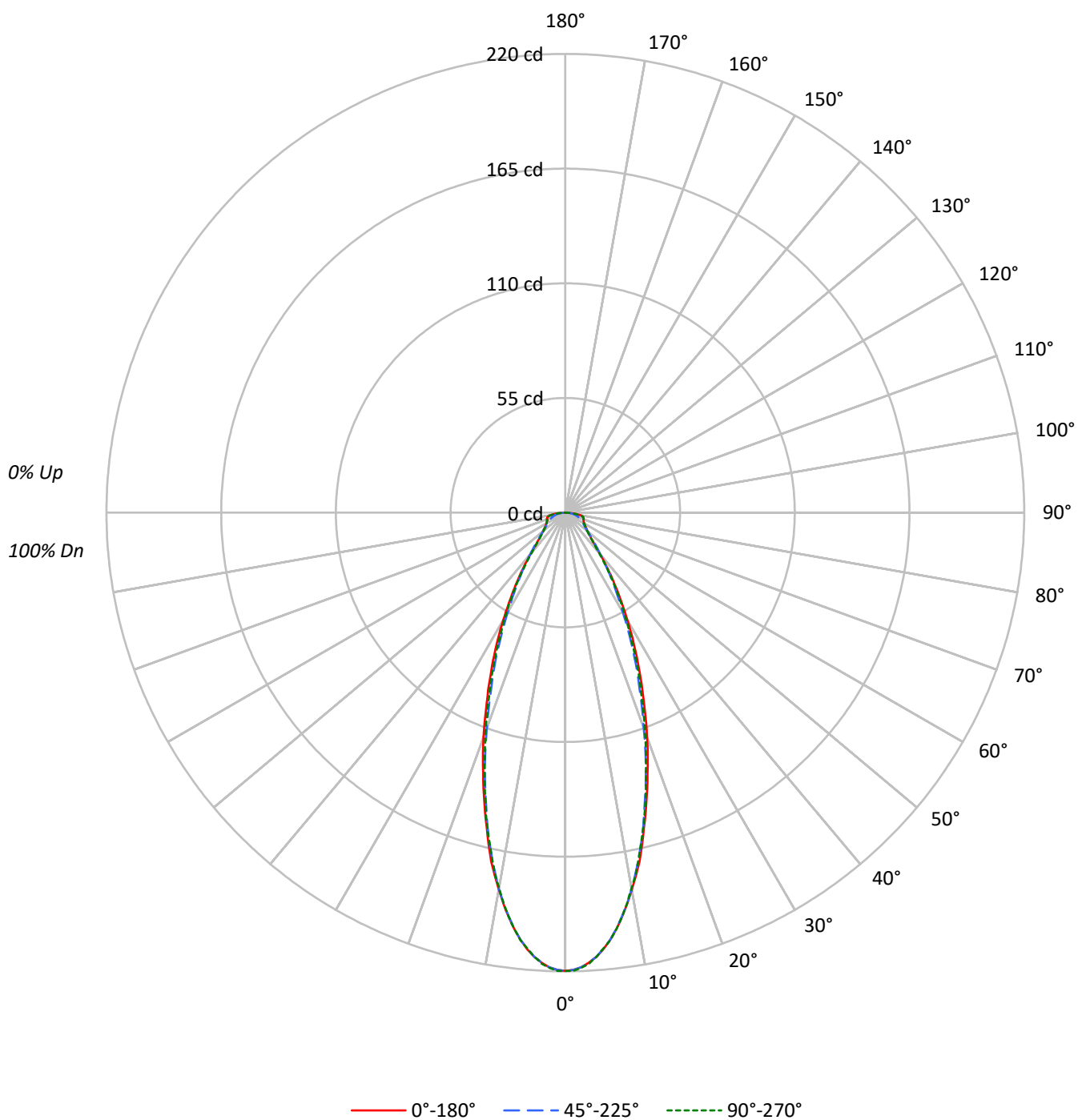
Lumens per Lamp: N/A
Luminaire Lumens: 166.0 lumens
Efficiency: N/A
Efficacy: 46.1 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		63
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	37855	37855	37855
5°	36322	36270	36270
10°	32108	32055	31968
15°	26513	26138	26281
20°	21003	20142	20472
25°	16000	15145	15544
30°	11793	10957	11415
35°	8431	8052	8158
40°	5778	5890	5598
45°	4287	4530	4214
50°	3724	3724	3644
55°	3543	3393	3543
60°	3617	3341	3617
65°	3953	3423	3953
70°	4733	3424	4633
75°	5922	3660	5922
80°	7538	3868	7042
85°	6126	3557	6126

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 7538 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.2	11.6
10°-20°	40.8	24.6
20°-30°	37.3	22.5
30°-40°	24.6	14.8
40°-50°	14.3	8.6
50°-60°	10.5	6.3
60°-70°	8.9	5.4
70°-80°	7.4	4.4
80°-90°	3.0	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°	97.3	58.6
0°-40°	121.9	73.4
0°-60°	146.7	88.4
0°-90°	166.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	166.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	220	220	220	220	220	
5°	210	210	210	210	210	19
15°	149	148	147	147	147	41
25°	84	82	80	80	82	39
35°	40	39	38	38	39	25
45°	18	18	19	18	17	14
55°	12	12	11	12	12	11
65°	10	9	8	9	10	10
75°	9	7	6	7	9	9
85°	3	3	2	3	3	4
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	219.8	219.8	219.8	219.8	219.8
1°	219.3	219.3	219.3	219.3	219.8
2°	218.2	218.0	218.2	218.2	218.5
3°	216.1	216.1	216.1	216.1	216.6
4°	213.5	213.5	213.5	213.5	213.5
5°	210.1	209.8	209.8	210.1	209.8
6°	205.9	205.9	205.9	205.9	206.2
7°	201.2	200.9	200.9	200.6	201.2
8°	195.7	195.7	195.4	195.1	195.7
9°	189.9	190.2	189.6	189.4	189.4
10°	183.6	183.3	183.3	183.3	182.8
11°	177.3	176.5	176.3	176.3	176.8
12°	171.0	169.7	169.2	169.2	169.2
13°	163.4	162.9	162.1	161.6	161.8
14°	155.8	155.8	154.5	154.5	155.0
15°	148.7	148.2	146.6	147.1	147.4
17.5°	131.1	130.1	128.3	128.3	128.5
20°	114.6	112.8	109.9	111.2	111.7
22.5°	98.4	96.5	93.6	94.9	95.5
25°	84.2	81.8	79.7	80.0	81.8
27.5°	71.3	68.7	66.6	67.4	68.5
30°	59.3	57.7	55.1	56.4	57.4
32.5°	49.0	47.7	45.9	46.7	47.7
35°	40.1	39.3	38.3	38.3	38.8
37.5°	32.5	32.3	31.7	31.5	31.2
40°	25.7	26.2	26.2	25.7	24.9
42.5°	21.0	21.5	22.0	21.0	20.2
45°	17.6	18.1	18.6	17.6	17.3
47.5°	15.5	15.7	16.0	15.5	15.2
50°	13.9	13.9	13.9	13.6	13.6
52.5°	12.9	12.6	12.3	12.6	12.6
55°	11.8	11.8	11.3	11.5	11.8
57.5°	11.0	10.8	10.5	10.8	11.0
60°	10.5	10.0	9.7	10.0	10.5
62.5°	10.0	9.4	8.9	9.4	10.0
65°	9.7	8.9	8.4	8.9	9.7
67.5°	9.4	8.4	7.6	8.4	9.4
70°	9.4	7.9	6.8	7.9	9.2
72.5°	9.2	7.3	6.3	7.3	9.2
75°	8.9	6.8	5.5	6.8	8.9
77.5°	8.7	6.3	4.7	6.3	8.4
80°	7.6	5.8	3.9	5.8	7.1
82.5°	5.5	4.7	3.1	4.7	5.2
85°	3.1	3.4	1.8	3.4	3.1
87.5°	0.5	0.8	0.5	1.3	1.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)