

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: P1313567

Luminaire Tested: P3SQAS17R309730DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313567
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R309730DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

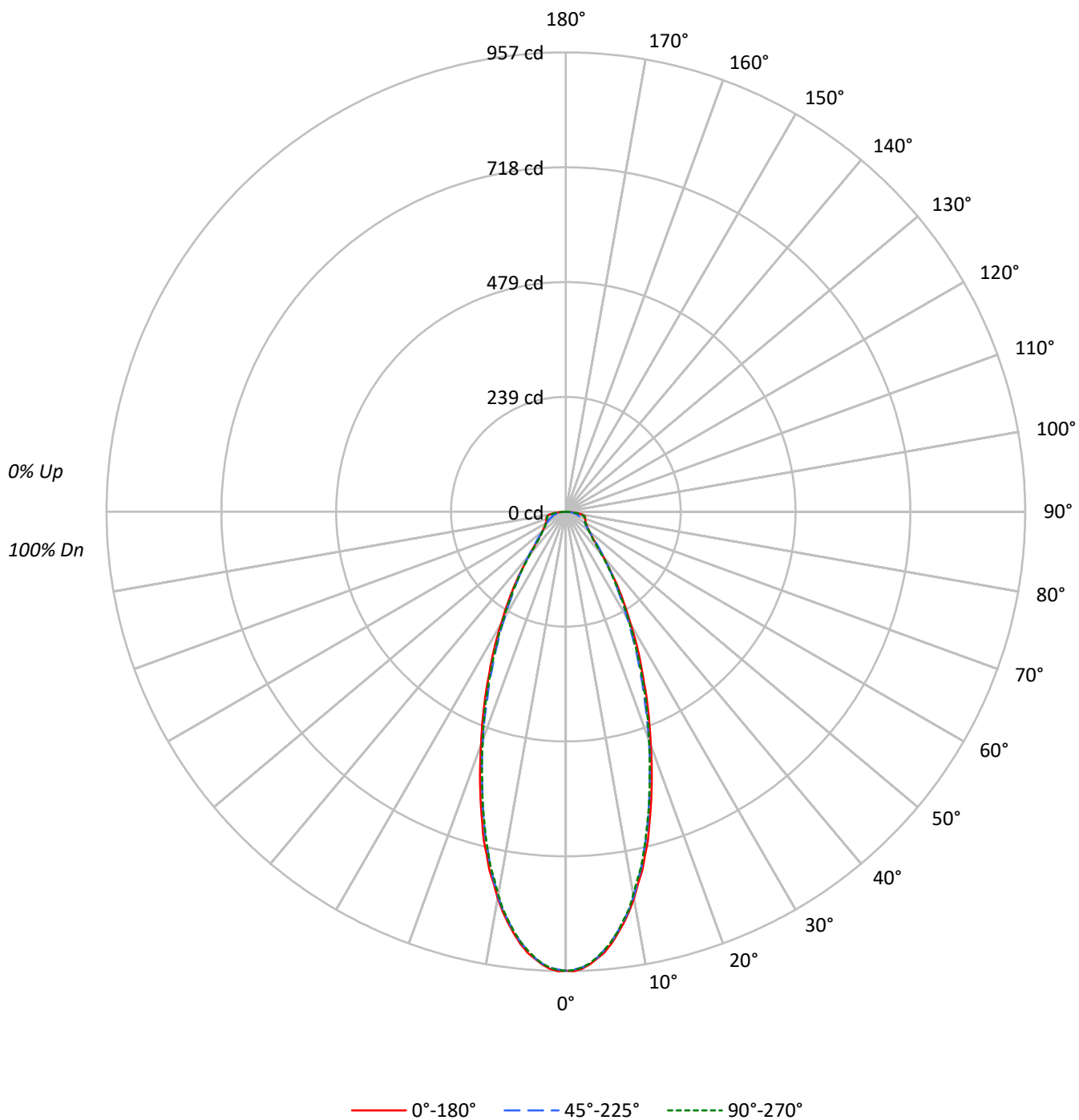
Lumens per Lamp: N/A
Luminaire Lumens: 754.0 lumens
Efficiency: N/A
Efficacy: 35.6 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	59		67	62	58		66
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	164679	164679	164679
5°	159309	158514	158514
10°	142981	142177	141565
15°	119834	117980	117766
20°	94607	92701	92701
25°	72419	69569	70880
30°	53733	50989	52123
35°	38853	37150	37382
40°	26731	27271	25967
45°	19972	20824	19119
50°	17335	17014	17014
55°	16304	15614	15944
60°	16706	15500	16292
65°	18338	15526	17890
70°	21501	15711	20947
75°	27681	16902	26883
80°	34316	18348	32035
85°	27467	18180	25096

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 34316 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.3	11.2
10°-20°	183.3	24.3
20°-30°	170.8	22.7
30°-40°	113.3	15.0
40°-50°	66.0	8.8
50°-60°	48.0	6.4
60°-70°	40.6	5.4
70°-80°	33.6	4.5
80°-90°	14.0	1.9
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°	438.5	58.2
0°-40°	551.8	73.2
0°-60°	665.8	88.3
0°-90°	754.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	754.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	956	956	956	956	956	
5°	922	920	917	917	917	85
15°	672	665	662	660	660	186
25°	381	374	366	367	373	176
35°	185	181	177	178	178	116
45°	82	83	86	81	78	66
55°	54	53	52	53	53	49
65°	45	40	38	40	44	45
75°	42	31	25	31	40	43
85°	14	16	9	15	13	16
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	956.2	956.2	956.2	956.2	956.2
1°	957.3	956.2	953.8	955.0	955.0
2°	952.7	951.5	950.4	950.4	950.4
3°	944.6	943.4	942.3	942.3	942.3
4°	933.1	931.9	931.9	930.7	930.7
5°	921.5	920.4	916.9	916.9	916.9
6°	905.3	904.2	901.9	900.7	900.7
7°	885.7	885.7	882.2	881.1	882.2
8°	864.9	863.8	861.5	860.3	860.3
9°	843.0	839.5	839.5	836.1	838.4
10°	817.6	815.3	813.0	810.6	809.5
11°	788.7	787.6	784.1	781.8	780.6
12°	764.5	758.7	756.4	752.9	755.2
13°	733.3	729.8	724.0	722.9	724.0
14°	706.7	699.8	695.2	692.9	691.7
15°	672.1	665.1	661.7	660.5	660.5
17.5°	594.7	590.1	580.8	580.8	580.8
20°	516.2	511.6	505.8	504.6	505.8
22.5°	448.1	440.0	430.7	431.9	438.8
25°	381.1	374.1	366.1	367.2	373.0
27.5°	324.5	315.3	307.2	309.5	312.9
30°	270.2	264.4	256.4	258.7	262.1
32.5°	224.0	220.6	211.3	213.6	217.1
35°	184.8	181.3	176.7	177.8	177.8
37.5°	147.8	147.8	146.7	145.5	144.3
40°	118.9	121.3	121.3	117.8	115.5
42.5°	97.0	99.3	101.6	97.0	93.5
45°	82.0	83.1	85.5	80.8	78.5
47.5°	71.6	71.6	73.9	70.4	69.3
50°	64.7	64.7	63.5	62.4	63.5
52.5°	58.9	57.7	56.6	57.7	57.7
55°	54.3	53.1	52.0	53.1	53.1
57.5°	50.8	49.7	48.5	48.5	49.7
60°	48.5	46.2	45.0	46.2	47.3
62.5°	46.2	42.7	41.6	42.7	45.0
65°	45.0	40.4	38.1	40.4	43.9
67.5°	43.9	38.1	34.6	38.1	42.7
70°	42.7	35.8	31.2	35.8	41.6
72.5°	41.6	33.5	28.9	33.5	41.6
75°	41.6	31.2	25.4	31.2	40.4
77.5°	39.3	28.9	21.9	28.9	38.1
80°	34.6	26.6	18.5	25.4	32.3
82.5°	25.4	23.1	13.9	21.9	24.3
85°	13.9	16.2	9.2	15.0	12.7
87.5°	2.3	3.5	2.3	6.9	4.6



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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)