

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: P1313550

Luminaire Tested: P3SQAS17R259730DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313550
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: P3SQAS17R259730DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

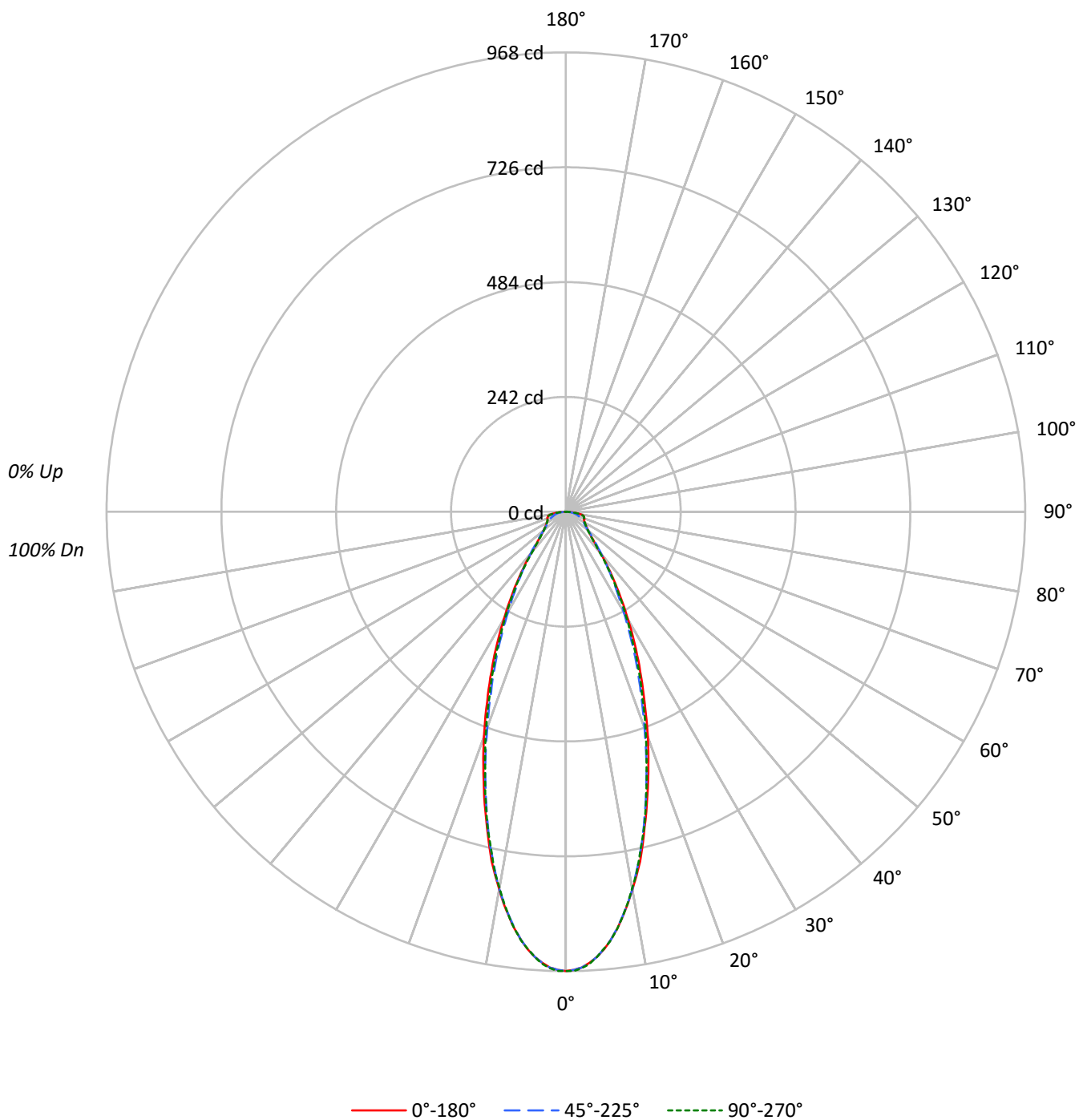
Lumens per Lamp: N/A
Luminaire Lumens: 731.0 lumens
Efficiency: N/A
Efficacy: 34.5 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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		62
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°	166694	166694	166694
5°	159949	159742	159742
10°	141390	141198	140778
15°	116767	115127	115733
20°	92499	88687	90172
25°	70462	66718	68486
30°	51904	48245	50293
35°	37150	35447	35931
40°	25450	25967	24663
45°	18852	19972	18559
50°	16397	16397	16103
55°	15614	14923	15614
60°	15913	14708	15913
65°	17401	15078	17401
70°	20947	15106	20343
75°	26151	16170	26151
80°	33225	17158	30944
85°	27467	16006	27467

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 33225 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.5	11.6
10°-20°	179.5	24.6
20°-30°	164.4	22.5
30°-40°	108.5	14.8
40°-50°	63.1	8.6
50°-60°	46.1	6.3
60°-70°	39.2	5.4
70°-80°	32.4	4.4
80°-90°	13.4	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°	428.4	58.6
0°-40°	536.8	73.4
0°-60°	646.1	88.4
0°-90°	731.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	731.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	968	968	968	968	968	
5°	925	924	924	925	924	85
15°	655	653	646	648	649	181
25°	371	360	351	352	360	170
35°	177	173	169	169	171	112
45°	77	80	82	77	76	62
55°	52	52	50	51	52	47
65°	43	39	37	39	43	43
75°	39	30	24	30	39	41
85°	14	15	8	15	14	16
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	967.9	967.9	967.9	967.9	967.9
1°	965.6	965.6	965.6	965.6	967.9
2°	961.0	959.8	961.0	961.0	962.1
3°	951.7	951.7	951.7	951.7	954.0
4°	940.2	940.2	940.2	940.2	940.2
5°	925.2	924.0	924.0	925.2	924.0
6°	906.7	906.7	906.7	906.7	907.8
7°	885.9	884.7	884.7	883.6	885.9
8°	861.6	861.6	860.5	859.3	861.6
9°	836.2	837.4	835.1	833.9	833.9
10°	808.5	807.4	807.4	807.4	805.0
11°	780.8	777.3	776.2	776.2	778.5
12°	753.1	747.3	745.0	745.0	745.0
13°	719.6	717.3	713.8	711.5	712.6
14°	686.1	686.1	680.3	680.3	682.6
15°	654.9	652.6	645.7	648.0	649.1
17.5°	577.5	572.9	564.8	564.8	566.0
20°	504.7	496.7	483.9	489.7	492.0
22.5°	433.1	425.0	412.3	418.1	420.4
25°	370.8	360.4	351.1	352.3	360.4
27.5°	314.2	302.6	293.4	296.8	301.5
30°	261.0	254.1	242.6	248.3	252.9
32.5°	216.0	210.2	202.1	205.6	210.2
35°	176.7	173.3	168.6	168.6	170.9
37.5°	143.2	142.1	139.8	138.6	137.4
40°	113.2	115.5	115.5	113.2	109.7
42.5°	92.4	94.7	97.0	92.4	88.9
45°	77.4	79.7	82.0	77.4	76.2
47.5°	68.1	69.3	70.5	68.1	67.0
50°	61.2	61.2	61.2	60.1	60.1
52.5°	56.6	55.4	54.3	55.4	55.4
55°	52.0	52.0	49.7	50.8	52.0
57.5°	48.5	47.4	46.2	47.4	48.5
60°	46.2	43.9	42.7	43.9	46.2
62.5°	43.9	41.6	39.3	41.6	43.9
65°	42.7	39.3	37.0	39.3	42.7
67.5°	41.6	37.0	33.5	37.0	41.6
70°	41.6	34.7	30.0	34.7	40.4
72.5°	40.4	32.3	27.7	32.3	40.4
75°	39.3	30.0	24.3	30.0	39.3
77.5°	38.1	27.7	20.8	27.7	37.0
80°	33.5	25.4	17.3	25.4	31.2
82.5°	24.3	20.8	13.9	20.8	23.1
85°	13.9	15.0	8.1	15.0	13.9
87.5°	2.3	3.5	2.3	5.8	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)