

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: P1313204

Luminaire Tested: P3SQAS09R159730DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313204
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: P3SQAS09R159730DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

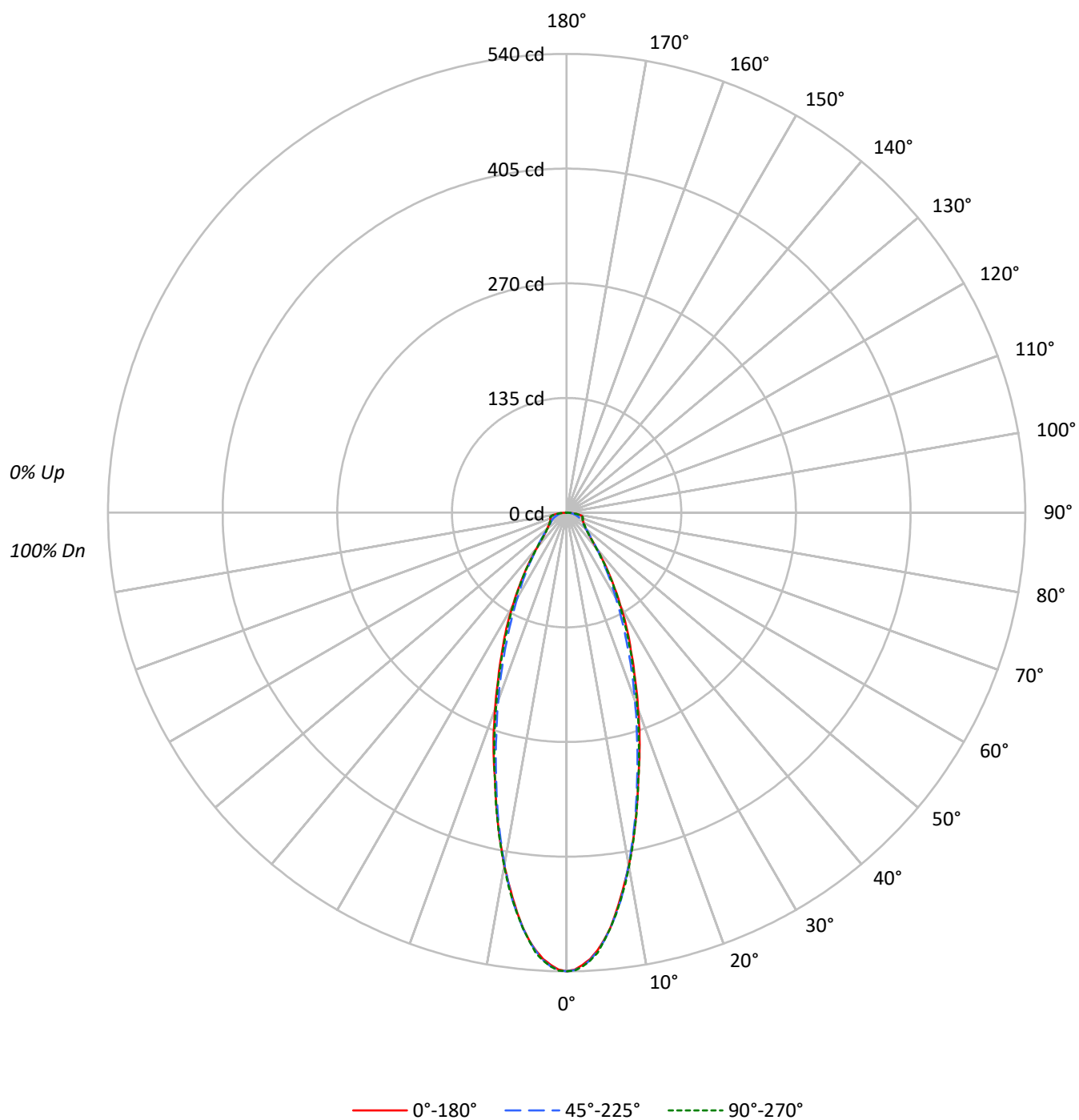
Lumens per Lamp: N/A
Luminaire Lumens: 362.0 lumens
Efficiency: N/A
Efficacy: 32.6 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	60	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	53	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°	93000	93000	93000
5°	87339	87460	87460
10°	73782	73554	74009
15°	58018	57198	58143
20°	45086	43051	44499
25°	34034	31677	33540
30°	25316	23088	24799
35°	18081	16820	17787
40°	12253	12388	12095
45°	9109	9596	9109
50°	7904	7904	7904
55°	7687	7296	7687
60°	7922	7233	7681
65°	8558	7498	8558
70°	10222	7604	10222
75°	13109	7852	13109
80°	16265	8430	15571
85°	13042	7707	14227

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 16265 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.5	12.6
10°-20°	90.0	24.9
20°-30°	79.6	22.0
30°-40°	52.3	14.4
40°-50°	30.6	8.4
50°-60°	22.5	6.2
60°-70°	19.2	5.3
70°-80°	15.8	4.4
80°-90°	6.5	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°	215.1	59.4
0°-40°	267.4	73.9
0°-60°	320.5	88.5
0°-90°	362.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	362.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	540	540	540	540	540	
5°	505	505	506	506	506	45
15°	325	325	321	325	326	91
25°	179	173	167	171	176	83
35°	86	83	80	82	85	54
45°	37	38	39	38	37	30
55°	26	25	24	25	26	23
65°	21	19	18	19	21	21
75°	20	14	12	15	20	20
85°	7	7	4	7	7	7
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	540.0	540.0	540.0	540.0	540.0
1°	538.0	538.7	538.7	539.3	539.3
2°	532.8	534.1	534.7	534.7	534.7
3°	526.2	526.9	527.5	528.2	528.2
4°	517.0	517.7	517.7	519.0	519.7
5°	505.2	505.2	505.9	506.5	505.9
6°	491.4	491.4	492.1	492.1	492.1
7°	475.0	475.7	476.3	477.0	476.3
8°	457.3	458.0	459.9	459.9	459.3
9°	439.6	440.3	440.3	442.2	442.2
10°	421.9	421.9	420.6	421.9	423.2
12.5°	374.0	373.3	371.4	373.3	374.6
15°	325.4	325.4	320.8	324.8	326.1
17.5°	286.1	280.2	275.6	279.5	282.8
20°	246.0	240.1	234.9	238.8	242.8
22.5°	210.0	205.4	198.8	202.7	207.3
25°	179.1	173.2	166.7	171.2	176.5
27.5°	153.5	145.7	139.1	144.3	148.9
30°	127.3	122.0	116.1	120.1	124.7
32.5°	105.0	101.0	96.5	99.7	103.7
35°	86.0	82.7	80.0	82.0	84.6
37.5°	68.9	67.6	66.3	66.9	66.9
40°	54.5	55.1	55.1	55.1	53.8
42.5°	44.6	45.3	46.6	45.3	44.6
45°	37.4	38.1	39.4	38.1	37.4
47.5°	32.8	33.5	34.1	32.8	32.8
50°	29.5	29.5	29.5	29.5	29.5
52.5°	27.6	26.9	26.9	26.9	27.6
55°	25.6	24.9	24.3	24.9	25.6
57.5°	23.6	23.0	22.3	23.0	23.6
60°	23.0	21.7	21.0	21.7	22.3
62.5°	21.7	20.3	19.7	20.3	21.7
65°	21.0	19.0	18.4	19.0	21.0
67.5°	20.3	17.7	16.4	17.7	20.3
70°	20.3	16.4	15.1	17.1	20.3
72.5°	19.7	15.7	13.1	15.7	19.7
75°	19.7	14.4	11.8	15.1	19.7
77.5°	18.4	13.1	9.8	13.8	18.4
80°	16.4	11.8	8.5	12.5	15.7
82.5°	11.8	9.8	6.6	9.8	11.8
85°	6.6	7.2	3.9	6.6	7.2
87.5°	0.7	2.0	1.3	3.9	3.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)