

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: P1314991

Luminaire Tested: P3SQAS05R159740DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314991
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: P3SQAS05R159740DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

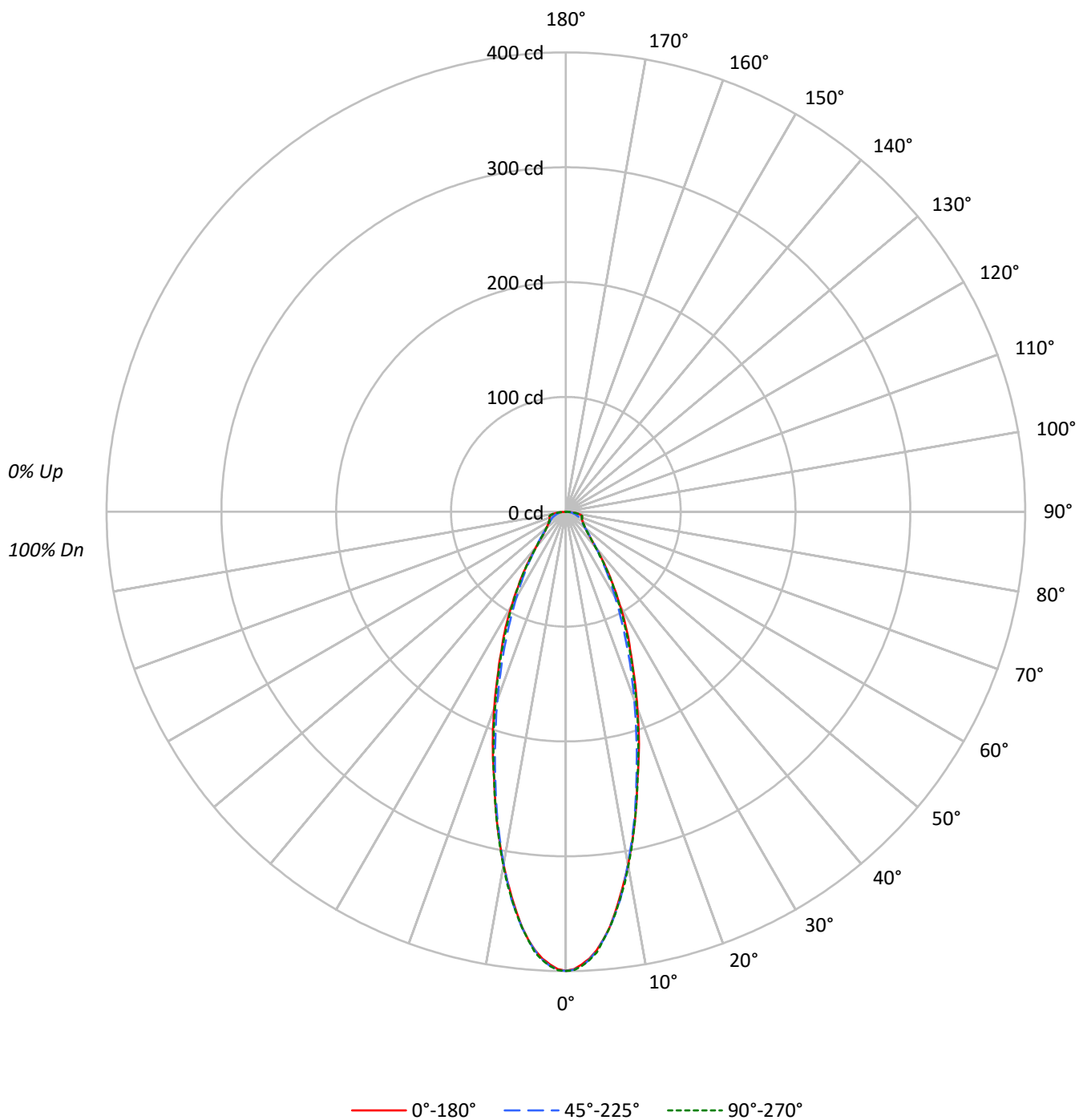
Lumens per Lamp: N/A
Luminaire Lumens: 268.0 lumens
Efficiency: N/A
Efficacy: 37.2 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	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		72	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°	68855	68855	68855
5°	64657	64744	64744
10°	54615	54457	54790
15°	42952	42346	43041
20°	33393	31872	32935
25°	25198	23449	24836
30°	18733	17102	18355
35°	13372	12468	13182
40°	9060	9173	8948
45°	6747	7088	6747
50°	5868	5868	5868
55°	5675	5405	5675
60°	5856	5339	5683
65°	6316	5542	6316
70°	7604	5640	7604
75°	9715	5789	9715
80°	12001	6248	11604
85°	9683	5730	10473

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 12001 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.7	12.6
10°-20°	66.6	24.9
20°-30°	58.9	22.0
30°-40°	38.7	14.4
40°-50°	22.6	8.4
50°-60°	16.7	6.2
60°-70°	14.2	5.3
70°-80°	11.7	4.4
80°-90°	4.8	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°	159.3	59.4
0°-40°	198.0	73.9
0°-60°	237.3	88.5
0°-90°	268.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	268.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	400	400	400	400	400	
5°	374	374	374	375	374	34
15°	241	241	238	240	241	67
25°	133	128	123	127	131	61
35°	64	61	59	61	63	40
45°	28	28	29	28	28	22
55°	19	18	18	18	19	17
65°	16	14	14	14	16	16
75°	15	11	9	11	15	15
85°	5	5	3	5	5	5
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	399.8	399.8	399.8	399.8	399.8
1°	398.3	398.8	398.8	399.3	399.3
2°	394.4	395.4	395.9	395.9	395.9
3°	389.6	390.1	390.5	391.0	391.0
4°	382.8	383.3	383.3	384.2	384.7
5°	374.0	374.0	374.5	375.0	374.5
6°	363.8	363.8	364.3	364.3	364.3
7°	351.7	352.2	352.7	353.1	352.7
8°	338.6	339.1	340.5	340.5	340.0
9°	325.5	325.9	325.9	327.4	327.4
10°	312.3	312.3	311.4	312.3	313.3
12.5°	276.9	276.4	274.9	276.4	277.4
15°	240.9	240.9	237.5	240.4	241.4
17.5°	211.8	207.4	204.0	206.9	209.4
20°	182.2	177.8	173.9	176.8	179.7
22.5°	155.4	152.0	147.2	150.1	153.5
25°	132.6	128.2	123.4	126.8	130.7
27.5°	113.7	107.8	103.0	106.9	110.3
30°	94.2	90.4	86.0	88.9	92.3
32.5°	77.7	74.8	71.4	73.8	76.7
35°	63.6	61.2	59.3	60.7	62.7
37.5°	51.0	50.0	49.1	49.5	49.5
40°	40.3	40.8	40.8	40.8	39.8
42.5°	33.0	33.5	34.5	33.5	33.0
45°	27.7	28.2	29.1	28.2	27.7
47.5°	24.3	24.8	25.3	24.3	24.3
50°	21.9	21.9	21.9	21.9	21.9
52.5°	20.4	19.9	19.9	19.9	20.4
55°	18.9	18.5	18.0	18.5	18.9
57.5°	17.5	17.0	16.5	17.0	17.5
60°	17.0	16.0	15.5	16.0	16.5
62.5°	16.0	15.1	14.6	15.1	16.0
65°	15.5	14.1	13.6	14.1	15.5
67.5°	15.1	13.1	12.1	13.1	15.1
70°	15.1	12.1	11.2	12.6	15.1
72.5°	14.6	11.7	9.7	11.7	14.6
75°	14.6	10.7	8.7	11.2	14.6
77.5°	13.6	9.7	7.3	10.2	13.6
80°	12.1	8.7	6.3	9.2	11.7
82.5°	8.7	7.3	4.9	7.3	8.7
85°	4.9	5.3	2.9	4.9	5.3
87.5°	0.5	1.5	1.0	2.9	2.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)