

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: P1315911

Luminaire Tested: P3SQAS05R159827DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315911
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: P3SQAS05R159827DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

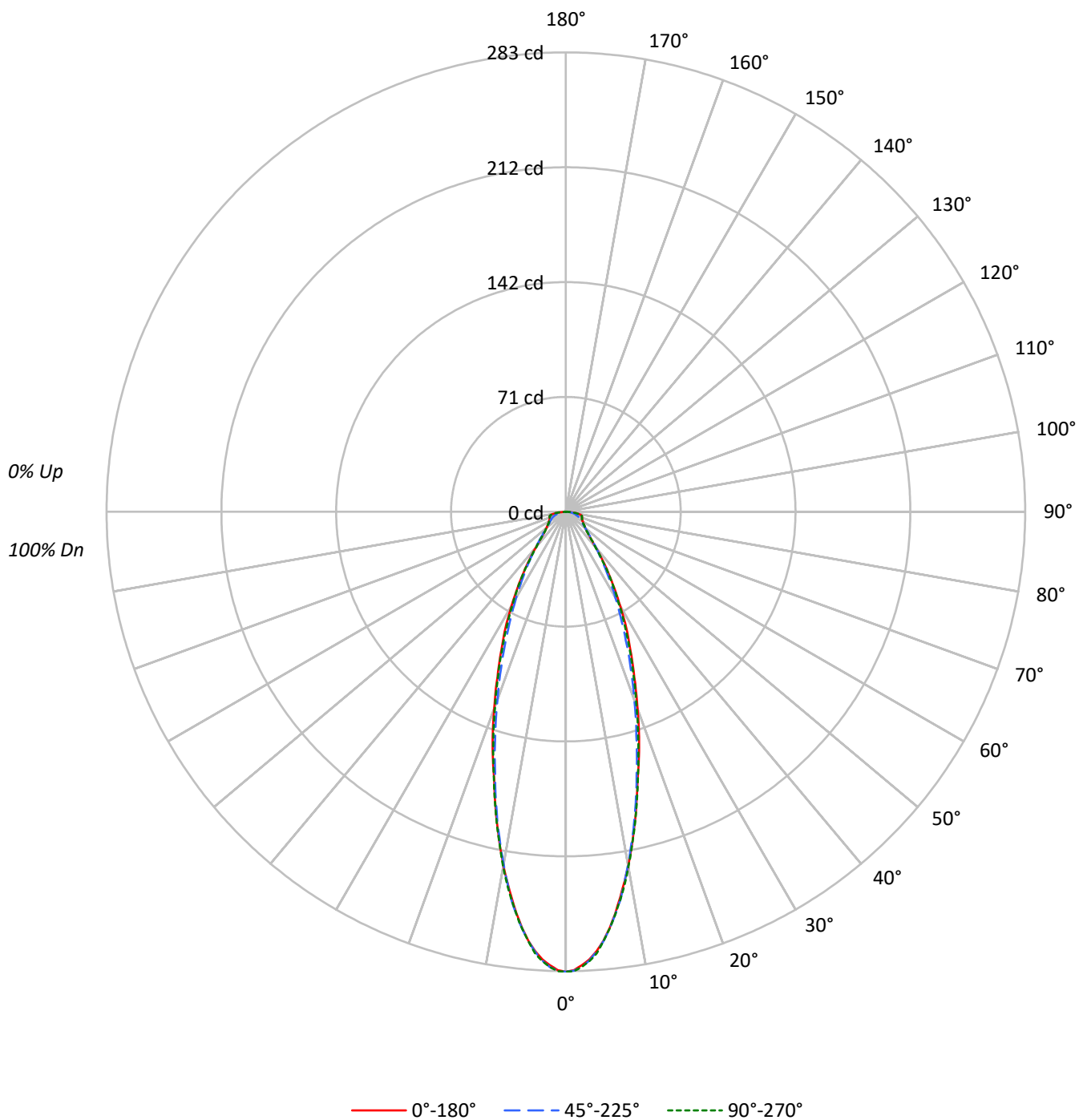
Lumens per Lamp: N/A
Luminaire Lumens: 190.0 lumens
Efficiency: N/A
Efficacy: 26.4 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1315911

CATALOG NUMBER: P3SQAS05R159827DE010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1315911

CATALOG NUMBER: P3SQAS05R159827DE010 E3SQPHLP1MW

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°	48808	48808	48808
5°	45848	45900	45900
10°	38718	38596	38841
15°	30453	30025	30525
20°	23661	22598	23349
25°	17863	16627	17596
30°	13284	12131	13006
35°	9482	8830	9335
40°	6430	6497	6340
45°	4774	5042	4774
50°	4153	4153	4153
55°	4023	3813	4023
60°	4168	3789	4030
65°	4483	3912	4483
70°	5388	3978	5388
75°	6854	4126	6854
80°	8529	4463	8232
85°	6719	4150	7509

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 8529 cd/sqm

TEST NUMBER: P1315911

CATALOG NUMBER: P3SQAS05R159827DE010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.9	12.6
10°-20°	47.3	24.9
20°-30°	41.8	22.0
30°-40°	27.4	14.4
40°-50°	16.0	8.4
50°-60°	11.8	6.2
60°-70°	10.1	5.3
70°-80°	8.3	4.4
80°-90°	3.4	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°	112.9	59.4
0°-40°	140.4	73.9
0°-60°	168.2	88.5
0°-90°	190.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	190.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	283	283	283	283	283	
5°	265	265	266	266	266	24
15°	171	171	168	170	171	48
25°	94	91	88	90	93	43
35°	45	43	42	43	44	28
45°	20	20	21	20	20	16
55°	13	13	13	13	13	12
65°	11	10	10	10	11	11
75°	10	8	6	8	10	11
85°	3	4	2	3	4	4
90°	0	0	0	0	0	

TEST NUMBER: P1315911

CATALOG NUMBER: P3SQAS05R159827DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	283.4	283.4	283.4	283.4	283.4
1°	282.4	282.7	282.7	283.1	283.1
2°	279.6	280.3	280.7	280.7	280.7
3°	276.2	276.5	276.9	277.2	277.2
4°	271.4	271.7	271.7	272.4	272.7
5°	265.2	265.2	265.5	265.9	265.5
6°	257.9	257.9	258.3	258.3	258.3
7°	249.3	249.7	250.0	250.4	250.0
8°	240.0	240.4	241.4	241.4	241.1
9°	230.7	231.1	231.1	232.1	232.1
10°	221.4	221.4	220.7	221.4	222.1
12.5°	196.3	196.0	194.9	196.0	196.6
15°	170.8	170.8	168.4	170.5	171.2
17.5°	150.1	147.0	144.6	146.7	148.4
20°	129.1	126.0	123.3	125.4	127.4
22.5°	110.2	107.8	104.3	106.4	108.8
25°	94.0	90.9	87.5	89.9	92.6
27.5°	80.6	76.5	73.0	75.8	78.2
30°	66.8	64.1	61.0	63.0	65.4
32.5°	55.1	53.0	50.6	52.3	54.4
35°	45.1	43.4	42.0	43.0	44.4
37.5°	36.2	35.5	34.8	35.1	35.1
40°	28.6	28.9	28.9	28.9	28.2
42.5°	23.4	23.8	24.5	23.8	23.4
45°	19.6	20.0	20.7	20.0	19.6
47.5°	17.2	17.6	17.9	17.2	17.2
50°	15.5	15.5	15.5	15.5	15.5
52.5°	14.5	14.1	14.1	14.1	14.5
55°	13.4	13.1	12.7	13.1	13.4
57.5°	12.4	12.1	11.7	12.1	12.4
60°	12.1	11.4	11.0	11.4	11.7
62.5°	11.4	10.7	10.3	10.7	11.4
65°	11.0	10.0	9.6	10.0	11.0
67.5°	10.7	9.3	8.6	9.3	10.7
70°	10.7	8.6	7.9	9.0	10.7
72.5°	10.3	8.3	6.9	8.3	10.3
75°	10.3	7.6	6.2	7.9	10.3
77.5°	9.6	6.9	5.2	7.2	9.6
80°	8.6	6.2	4.5	6.5	8.3
82.5°	6.2	5.2	3.4	5.2	6.2
85°	3.4	3.8	2.1	3.4	3.8
87.5°	0.3	1.0	0.7	2.1	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)