

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: P1312107

Luminaire Tested: P3SQAS05R259727DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312107
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: P3SQAS05R259727DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

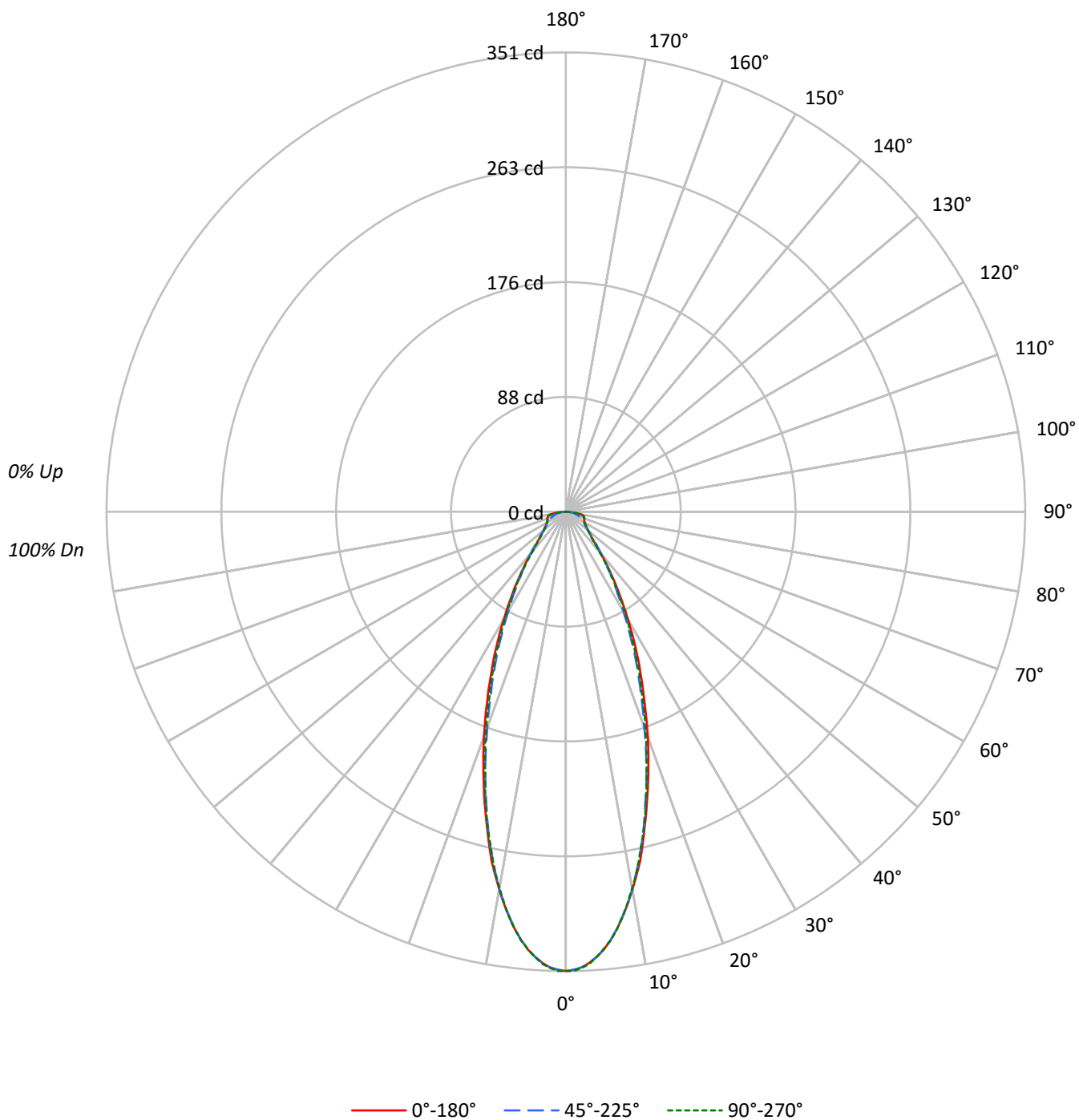
Lumens per Lamp: N/A
Luminaire Lumens: 265.0 lumens
Efficiency: N/A
Efficacy: 36.8 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1312107

CATALOG NUMBER: P3SQAS05R259727DE010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1312107

CATALOG NUMBER: P3SQAS05R259727DE010 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	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°	60433	60433	60433
5°	57984	57915	57915
10°	51257	51187	51030
15°	42328	41740	41954
20°	33539	32147	32696
25°	25540	24190	24817
30°	18813	17480	18236
35°	13477	12846	13035
40°	9218	9420	8948
45°	6844	7234	6722
50°	5948	5948	5841
55°	5645	5405	5645
60°	5752	5339	5752
65°	6316	5461	6316
70°	7604	5489	7402
75°	9449	5856	9449
80°	12001	6248	11207
85°	9880	5730	9880

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 12001 cd/sqm

TEST NUMBER: P1312107

CATALOG NUMBER: P3SQAS05R259727DE010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.6	11.6
10°-20°	65.1	24.6
20°-30°	59.6	22.5
30°-40°	39.3	14.8
40°-50°	22.9	8.6
50°-60°	16.7	6.3
60°-70°	14.2	5.4
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°	155.3	58.6
0°-40°	194.6	73.4
0°-60°	234.2	88.4
0°-90°	265.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	265.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	351	351	351	351	351	
5°	335	335	335	335	335	31
15°	237	237	234	235	235	66
25°	134	131	127	128	131	62
35°	64	63	61	61	62	41
45°	28	29	30	28	28	23
55°	19	19	18	18	19	17
65°	16	14	13	14	16	15
75°	14	11	9	11	14	15
85°	5	5	3	5	5	6
90°	0	0	0	0	0	

TEST NUMBER: P1312107

CATALOG NUMBER: P3SQAS05R259727DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	350.9	350.9	350.9	350.9	350.9
1°	350.0	350.0	350.0	350.0	350.9
2°	348.4	347.9	348.4	348.4	348.8
3°	345.0	345.0	345.0	345.0	345.9
4°	340.8	340.8	340.8	340.8	340.8
5°	335.4	335.0	335.0	335.4	335.0
6°	328.7	328.7	328.7	328.7	329.1
7°	321.2	320.7	320.7	320.3	321.2
8°	312.4	312.4	311.9	311.5	312.4
9°	303.1	303.6	302.7	302.3	302.3
10°	293.1	292.7	292.7	292.7	291.8
11°	283.0	281.8	281.4	281.4	282.2
12°	273.0	270.9	270.1	270.1	270.1
13°	260.9	260.0	258.8	257.9	258.3
14°	248.7	248.7	246.6	246.6	247.5
15°	237.4	236.6	234.1	234.9	235.3
17.5°	209.4	207.7	204.7	204.7	205.2
20°	183.0	180.0	175.4	177.5	178.4
22.5°	157.0	154.1	149.5	151.6	152.4
25°	134.4	130.6	127.3	127.7	130.6
27.5°	113.9	109.7	106.4	107.6	109.3
30°	94.6	92.1	87.9	90.0	91.7
32.5°	78.3	76.2	73.3	74.5	76.2
35°	64.1	62.8	61.1	61.1	62.0
37.5°	51.9	51.5	50.7	50.2	49.8
40°	41.0	41.9	41.9	41.0	39.8
42.5°	33.5	34.3	35.2	33.5	32.2
45°	28.1	28.9	29.7	28.1	27.6
47.5°	24.7	25.1	25.5	24.7	24.3
50°	22.2	22.2	22.2	21.8	21.8
52.5°	20.5	20.1	19.7	20.1	20.1
55°	18.8	18.8	18.0	18.4	18.8
57.5°	17.6	17.2	16.7	17.2	17.6
60°	16.7	15.9	15.5	15.9	16.7
62.5°	15.9	15.1	14.2	15.1	15.9
65°	15.5	14.2	13.4	14.2	15.5
67.5°	15.1	13.4	12.1	13.4	15.1
70°	15.1	12.6	10.9	12.6	14.7
72.5°	14.7	11.7	10.0	11.7	14.7
75°	14.2	10.9	8.8	10.9	14.2
77.5°	13.8	10.0	7.5	10.0	13.4
80°	12.1	9.2	6.3	9.2	11.3
82.5°	8.8	7.5	5.0	7.5	8.4
85°	5.0	5.4	2.9	5.4	5.0
87.5°	0.8	1.3	0.8	2.1	1.7



TEST NUMBER: P1312107

CATALOG NUMBER: P3SQAS05R259727DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)