

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: P1317079

Luminaire Tested: P3SQAS13R159830DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317079
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: P3SQAS13R159830DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

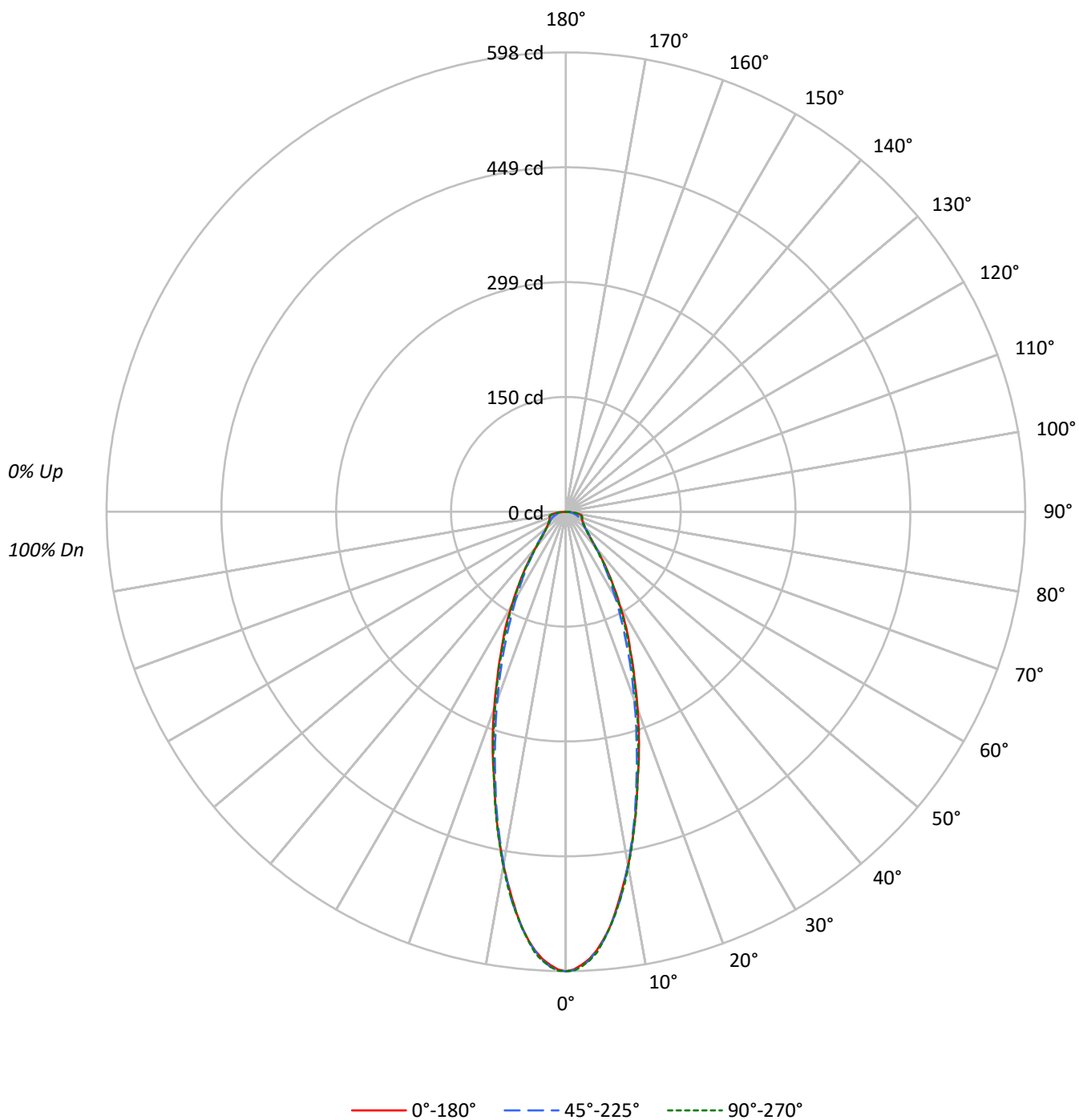
Lumens per Lamp: N/A
Luminaire Lumens: 401.0 lumens
Efficiency: N/A
Efficacy: 27.7 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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: P1317079

CATALOG NUMBER: P3SQAS13R159830DE010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1317079

CATALOG NUMBER: P3SQAS13R159830DE010 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°	103024	103024	103024
5°	96744	96882	96882
10°	81721	81476	81983
15°	64276	63367	64401
20°	49961	47688	49283
25°	37701	35079	37150
30°	28040	25574	27463
35°	20015	18649	19721
40°	13557	13737	13399
45°	10083	10619	10083
50°	8761	8761	8761
55°	8497	8077	8497
60°	8749	8026	8508
65°	9495	8313	9495
70°	11330	8409	11330
75°	14506	8717	14506
80°	18051	9323	17257
85°	14425	8695	15808

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 18051 cd/sqm

TEST NUMBER: P1317079

CATALOG NUMBER: P3SQAS13R159830DE010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.5	12.6
10°-20°	99.7	24.9
20°-30°	88.2	22.0
30°-40°	57.9	14.4
40°-50°	33.8	8.4
50°-60°	24.9	6.2
60°-70°	21.2	5.3
70°-80°	17.5	4.4
80°-90°	7.3	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°	238.3	59.4
0°-40°	296.2	73.9
0°-60°	355.0	88.5
0°-90°	401.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	401.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	598	598	598	598	598	
5°	560	560	560	561	560	50
15°	360	360	355	360	361	101
25°	198	192	185	190	196	92
35°	95	92	89	91	94	60
45°	41	42	44	42	41	33
55°	28	28	27	28	28	26
65°	23	21	20	21	23	23
75°	22	16	13	17	22	22
85°	7	8	4	7	8	8
90°	0	0	0	0	0	

TEST NUMBER: P1317079

CATALOG NUMBER: P3SQAS13R159830DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	598.2	598.2	598.2	598.2	598.2
1°	596.0	596.7	596.7	597.4	597.4
2°	590.2	591.6	592.4	592.4	592.4
3°	582.9	583.6	584.4	585.1	585.1
4°	572.7	573.5	573.5	574.9	575.6
5°	559.6	559.6	560.4	561.1	560.4
6°	544.4	544.4	545.1	545.1	545.1
7°	526.2	526.9	527.7	528.4	527.7
8°	506.6	507.3	509.5	509.5	508.8
9°	487.0	487.7	487.7	489.9	489.9
10°	467.3	467.3	465.9	467.3	468.8
12.5°	414.3	413.6	411.4	413.6	415.0
15°	360.5	360.5	355.4	359.8	361.2
17.5°	316.9	310.4	305.3	309.6	313.3
20°	272.6	266.0	260.2	264.6	268.9
22.5°	232.6	227.5	220.2	224.6	229.7
25°	198.4	191.9	184.6	189.7	195.5
27.5°	170.1	161.4	154.1	159.9	165.0
30°	141.0	135.2	128.6	133.0	138.1
32.5°	116.3	111.9	106.8	110.5	114.8
35°	95.2	91.6	88.7	90.9	93.8
37.5°	76.3	74.9	73.4	74.1	74.1
40°	60.3	61.1	61.1	61.1	59.6
42.5°	49.4	50.2	51.6	50.2	49.4
45°	41.4	42.2	43.6	42.2	41.4
47.5°	36.3	37.1	37.8	36.3	36.3
50°	32.7	32.7	32.7	32.7	32.7
52.5°	30.5	29.8	29.8	29.8	30.5
55°	28.3	27.6	26.9	27.6	28.3
57.5°	26.2	25.4	24.7	25.4	26.2
60°	25.4	24.0	23.3	24.0	24.7
62.5°	24.0	22.5	21.8	22.5	24.0
65°	23.3	21.1	20.4	21.1	23.3
67.5°	22.5	19.6	18.2	19.6	22.5
70°	22.5	18.2	16.7	18.9	22.5
72.5°	21.8	17.4	14.5	17.4	21.8
75°	21.8	16.0	13.1	16.7	21.8
77.5°	20.4	14.5	10.9	15.3	20.4
80°	18.2	13.1	9.4	13.8	17.4
82.5°	13.1	10.9	7.3	10.9	13.1
85°	7.3	8.0	4.4	7.3	8.0
87.5°	0.7	2.2	1.5	4.4	3.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)