

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: P1317111

Luminaire Tested: P3SQAS13R259830DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317111
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: P3SQAS13R259830DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

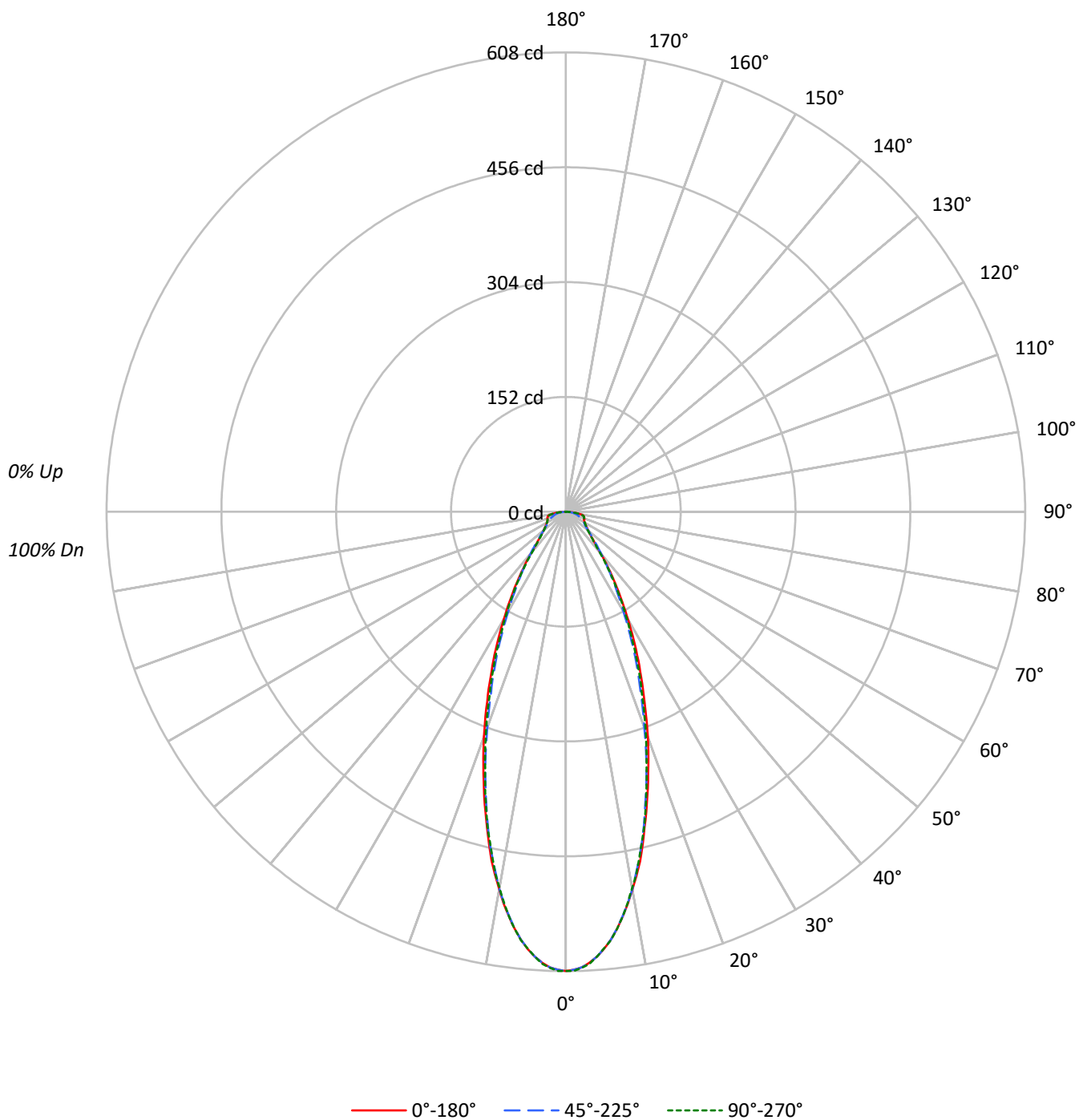
Lumens per Lamp: N/A
Luminaire Lumens: 459.0 lumens
Efficiency: N/A
Efficacy: 31.7 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1317111

CATALOG NUMBER: P3SQAS13R259830DE010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1317111

CATALOG NUMBER: P3SQAS13R259830DE010 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°	104677	104677	104677
5°	100426	100305	100305
10°	88786	88646	88402
15°	73316	72282	72674
20°	58080	55697	56632
25°	44238	41901	43003
30°	32594	30287	31580
35°	23337	22265	22559
40°	15985	16300	15490
45°	11837	12543	11667
50°	10289	10289	10101
55°	9789	9368	9789
60°	9989	9231	9989
65°	10921	9454	10921
70°	13143	9517	12790
75°	16436	10114	16436
80°	20828	10811	19439
85°	17191	10078	17191

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 20828 cd/sqm

TEST NUMBER: P1317111

CATALOG NUMBER: P3SQAS13R259830DE010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.0	11.6
10°-20°	112.7	24.5
20°-30°	103.3	22.5
30°-40°	68.1	14.8
40°-50°	39.6	8.6
50°-60°	28.9	6.3
60°-70°	24.6	5.4
70°-80°	20.4	4.4
80°-90°	8.4	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°	269.0	58.6
0°-40°	337.1	73.4
0°-60°	405.7	88.4
0°-90°	459.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	459.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	608	608	608	608	608	
5°	581	580	580	581	580	53
15°	411	410	405	407	408	114
25°	233	226	220	221	226	107
35°	111	109	106	106	107	70
45°	49	50	52	49	48	39
55°	33	33	31	32	33	30
65°	27	25	23	25	27	27
75°	25	19	15	19	25	26
85°	9	9	5	9	9	10
90°	0	0	0	0	0	

TEST NUMBER: P1317111

CATALOG NUMBER: P3SQAS13R259830DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	607.8	607.8	607.8	607.8	607.8
1°	606.3	606.3	606.3	606.3	607.8
2°	603.4	602.7	603.4	603.4	604.1
3°	597.6	597.6	597.6	597.6	599.0
4°	590.3	590.3	590.3	590.3	590.3
5°	580.9	580.2	580.2	580.9	580.2
6°	569.3	569.3	569.3	569.3	570.0
7°	556.3	555.5	555.5	554.8	556.3
8°	541.0	541.0	540.3	539.6	541.0
9°	525.1	525.8	524.3	523.6	523.6
10°	507.7	506.9	506.9	506.9	505.5
11°	490.3	488.1	487.4	487.4	488.8
12°	472.9	469.2	467.8	467.8	467.8
13°	451.8	450.4	448.2	446.7	447.5
14°	430.8	430.8	427.2	427.2	428.6
15°	411.2	409.8	405.4	406.9	407.6
17.5°	362.6	359.7	354.6	354.6	355.4
20°	316.9	311.9	303.9	307.5	309.0
22.5°	272.0	266.9	258.9	262.5	264.0
25°	232.8	226.3	220.5	221.2	226.3
27.5°	197.3	190.0	184.2	186.4	189.3
30°	163.9	159.6	152.3	155.9	158.8
32.5°	135.6	132.0	126.9	129.1	132.0
35°	111.0	108.8	105.9	105.9	107.3
37.5°	89.9	89.2	87.8	87.0	86.3
40°	71.1	72.5	72.5	71.1	68.9
42.5°	58.0	59.5	60.9	58.0	55.8
45°	48.6	50.0	51.5	48.6	47.9
47.5°	42.8	43.5	44.2	42.8	42.1
50°	38.4	38.4	38.4	37.7	37.7
52.5°	35.5	34.8	34.1	34.8	34.8
55°	32.6	32.6	31.2	31.9	32.6
57.5°	30.5	29.7	29.0	29.7	30.5
60°	29.0	27.6	26.8	27.6	29.0
62.5°	27.6	26.1	24.7	26.1	27.6
65°	26.8	24.7	23.2	24.7	26.8
67.5°	26.1	23.2	21.0	23.2	26.1
70°	26.1	21.8	18.9	21.8	25.4
72.5°	25.4	20.3	17.4	20.3	25.4
75°	24.7	18.9	15.2	18.9	24.7
77.5°	23.9	17.4	13.1	17.4	23.2
80°	21.0	16.0	10.9	16.0	19.6
82.5°	15.2	13.1	8.7	13.1	14.5
85°	8.7	9.4	5.1	9.4	8.7
87.5°	1.5	2.2	1.5	3.6	2.9



TEST NUMBER: P1317111

CATALOG NUMBER: P3SQAS13R259830DE010 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)