

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: P1311313

Luminaire Tested: P3SQAS13R259050DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311313
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R259050DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

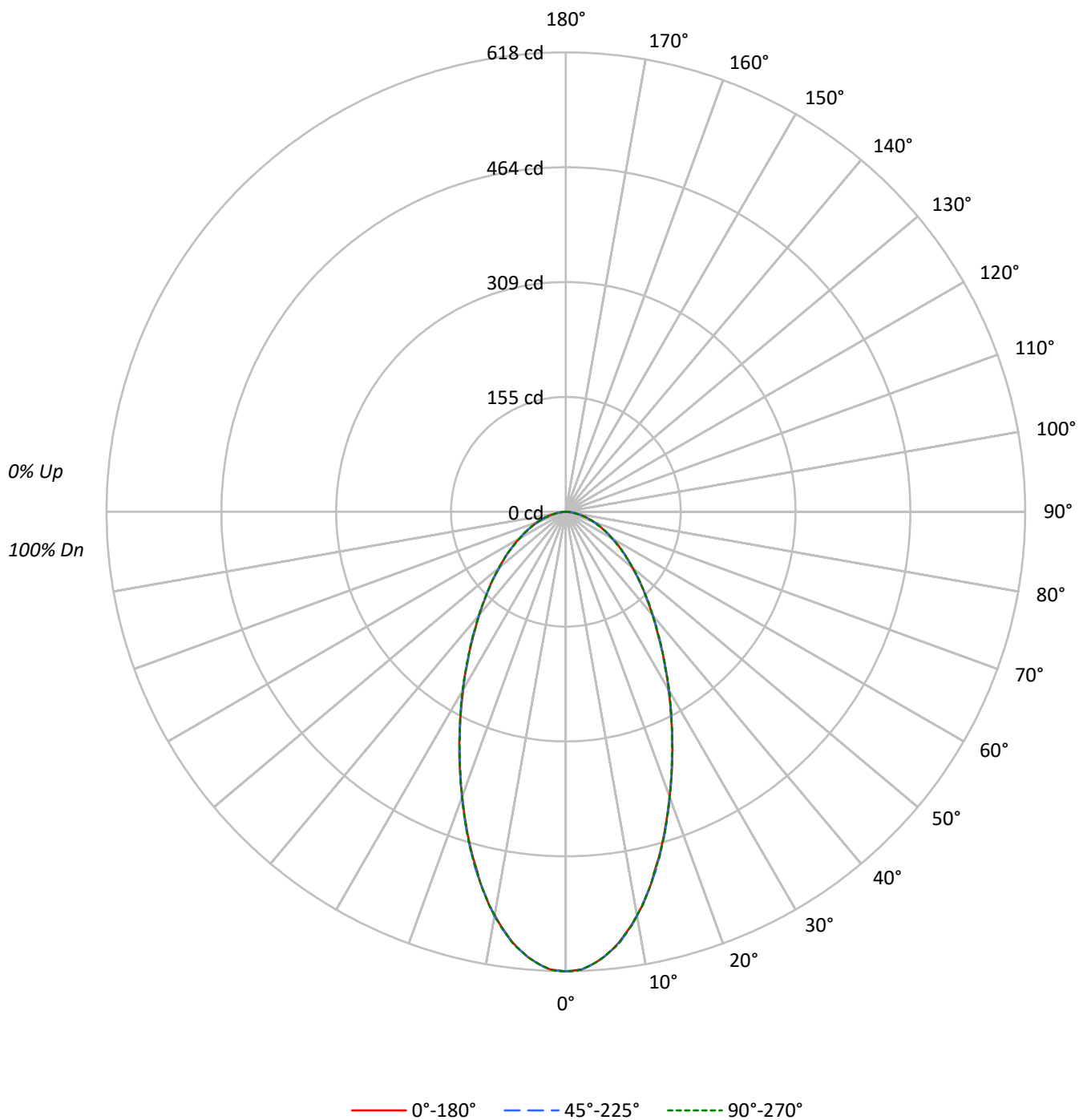
Lumens per Lamp: N/A
Luminaire Lumens: 774.0 lumens
Efficiency: N/A
Efficacy: 53.0 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1311313

CATALOG NUMBER: P3SQAS13R259050DE010 E3SQPHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1311313

CATALOG NUMBER: P3SQAS13R259050DE010 E3SQPHLD1MW

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	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	90	86	100	94	89	85	91	86	83		88	84	81		85
3	95	87	80	74	93	85	79	74	82	77	72		80	75	71		77
4	89	79	71	65	87	77	70	65	75	69	64		73	68	63		71
5	83	72	64	58	81	71	64	58	69	62	58		67	61	57		65
6	77	66	58	53	76	65	58	52	63	57	52		62	56	52		60
7	73	61	53	48	71	60	53	48	59	52	47		57	51	47		56
8	68	56	49	44	67	56	49	44	55	48	44		53	48	43		52
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49
10	61	49	42	37	60	49	42	37	48	42	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	106468	106468	106468
5°	103763	103763	103763
10°	96411	96603	96411
15°	85993	86171	86171
20°	74758	74960	74758
25°	64400	64191	64191
30°	54927	55126	55344
35°	47116	47116	47347
40°	40827	40827	40827
45°	35706	35706	35706
50°	31294	31294	31589
55°	28074	28074	28074
60°	24869	24869	24869
65°	22495	22495	22495
70°	20343	19789	20343
75°	18366	17700	17700
80°	14778	14778	14778
85°	10473	10473	10473

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 35706 cd/sqm

TEST NUMBER: P1311313

CATALOG NUMBER: P3SQAS13R259050DE010 E3SQPHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.8	7.2
10°-20°	134.5	17.4
20°-30°	155.5	20.1
30°-40°	141.0	18.2
40°-50°	113.6	14.7
50°-60°	83.7	10.8
60°-70°	55.0	7.1
70°-80°	28.4	3.7
80°-90°	6.4	0.8
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°	345.8	44.7
0°-40°	486.8	62.9
0°-60°	684.1	88.4
0°-90°	774.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	774.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	618	618	618	618	618	
5°	600	602	600	600	600	56
15°	482	483	483	482	483	134
25°	339	338	338	339	338	156
35°	224	224	224	224	225	141
45°	147	147	147	147	147	114
55°	94	94	94	92	94	84
65°	55	55	55	55	55	55
75°	28	27	27	27	27	29
85°	5	5	5	5	5	7
90°	0	0	0	0	0	

TEST NUMBER: P1311313

CATALOG NUMBER: P3SQAS13R259050DE010 E3SQPHLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	618.2	618.2	618.2	618.2	618.2
1°	617.2	619.3	617.2	617.2	618.2
2°	616.1	617.2	616.1	616.1	616.1
3°	611.8	614.0	611.8	611.8	611.8
4°	606.5	608.7	606.5	606.5	606.5
5°	600.2	602.3	600.2	600.2	600.2
6°	592.7	593.8	592.7	592.7	592.7
7°	584.2	585.3	584.2	584.2	585.3
8°	573.6	574.7	574.7	573.6	573.6
9°	563.0	564.0	564.0	563.0	564.0
10°	551.3	552.4	552.4	551.3	551.3
11°	539.6	540.7	538.6	538.6	539.6
12°	525.8	526.9	525.8	525.8	525.8
13°	512.0	512.0	512.0	512.0	512.0
14°	496.1	498.2	498.2	497.1	496.1
15°	482.3	483.3	483.3	482.3	483.3
17.5°	445.1	447.2	446.1	446.1	446.1
20°	407.9	409.0	409.0	407.9	407.9
22.5°	372.8	371.8	371.8	371.8	371.8
25°	338.9	337.8	337.8	338.9	337.8
27.5°	305.9	307.0	307.0	305.9	307.0
30°	276.2	276.2	277.2	276.2	278.3
32.5°	249.6	249.6	248.6	249.6	249.6
35°	224.1	224.1	224.1	224.1	225.2
37.5°	200.8	201.8	202.9	202.9	201.8
40°	181.6	181.6	181.6	181.6	181.6
42.5°	162.5	162.5	163.6	163.6	163.6
45°	146.6	146.6	146.6	146.6	146.6
47.5°	131.7	131.7	130.7	130.7	131.7
50°	116.8	117.9	116.8	116.8	117.9
52.5°	105.2	104.1	104.1	105.2	105.2
55°	93.5	93.5	93.5	92.4	93.5
57.5°	82.9	82.9	81.8	81.8	81.8
60°	72.2	72.2	72.2	72.2	72.2
62.5°	63.7	63.7	63.7	63.7	63.7
65°	55.2	55.2	55.2	55.2	55.2
67.5°	47.8	47.8	47.8	47.8	46.7
70°	40.4	40.4	39.3	39.3	40.4
72.5°	32.9	32.9	32.9	32.9	32.9
75°	27.6	26.6	26.6	26.6	26.6
77.5°	21.2	21.2	20.2	21.2	20.2
80°	14.9	14.9	14.9	14.9	14.9
82.5°	10.6	9.6	9.6	9.6	9.6
85°	5.3	5.3	5.3	5.3	5.3
87.5°	1.1	1.1	1.1	1.1	2.1



TEST NUMBER: P1311313

CATALOG NUMBER: P3SQAS13R259050DE010 E3SQPHLD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)