

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: P1311331

Luminaire Tested: P3SQAS13R309050DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311331
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R309050DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

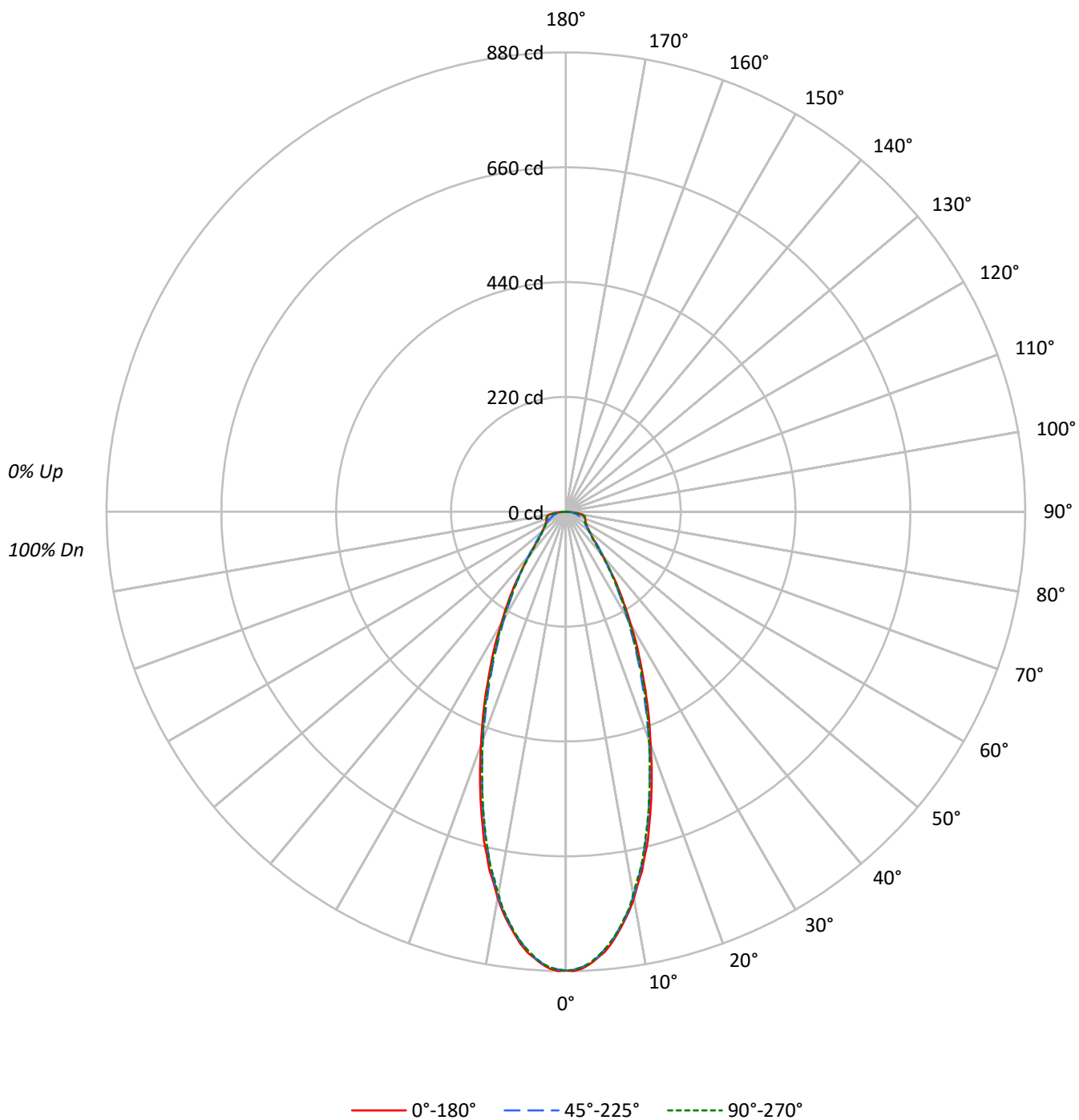
Lumens per Lamp: N/A
Luminaire Lumens: 693.0 lumens
Efficiency: N/A
Efficacy: 47.5 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1311331

CATALOG NUMBER: P3SQAS13R309050DE010 E3SQPHLP1MW

Luminous Intensity Polar Plot



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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	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	59		67	62	58		66
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	151349	151349	151349
5°	146430	145686	145686
10°	131404	130670	130110
15°	110135	108441	108245
20°	86946	85205	85205
25°	66547	63925	65141
30°	49398	46853	47907
35°	35700	34144	34354
40°	24573	25045	23853
45°	18364	19119	17585
50°	15915	15647	15647
55°	14983	14352	14653
60°	15362	14260	14983
65°	16871	14263	16423
70°	19789	14452	19235
75°	25419	15504	24687
80°	31539	16860	29456
85°	25096	16796	23120

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 31539 cd/sqm

TEST NUMBER: P1311331

CATALOG NUMBER: P3SQAS13R309050DE010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.5	11.2
10°-20°	168.5	24.3
20°-30°	157.0	22.7
30°-40°	104.2	15.0
40°-50°	60.6	8.8
50°-60°	44.1	6.4
60°-70°	37.3	5.4
70°-80°	30.9	4.5
80°-90°	12.8	1.9
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°	403.0	58.2
0°-40°	507.1	73.2
0°-60°	611.9	88.3
0°-90°	693.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	693.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	879	879	879	879	879	
5°	847	846	843	843	843	78
15°	618	611	608	607	607	171
25°	350	344	336	338	343	161
35°	170	167	162	163	163	107
45°	75	76	78	74	72	60
55°	50	49	48	49	49	45
65°	41	37	35	37	40	41
75°	38	29	23	29	37	39
85°	13	15	8	14	12	15
90°	0	0	0	0	0	

TEST NUMBER: P1311331

CATALOG NUMBER: P3SQAS13R309050DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	878.8	878.8	878.8	878.8	878.8
1°	879.9	878.8	876.7	877.7	877.7
2°	875.6	874.6	873.5	873.5	873.5
3°	868.2	867.1	866.1	866.1	866.1
4°	857.6	856.5	856.5	855.4	855.4
5°	847.0	845.9	842.7	842.7	842.7
6°	832.1	831.0	828.9	827.9	827.9
7°	814.1	814.1	810.9	809.8	810.9
8°	794.9	793.9	791.8	790.7	790.7
9°	774.8	771.6	771.6	768.4	770.5
10°	751.4	749.3	747.2	745.1	744.0
11°	724.9	723.8	720.7	718.5	717.5
12°	702.6	697.3	695.2	692.0	694.1
13°	674.0	670.8	665.5	664.4	665.5
14°	649.5	643.2	638.9	636.8	635.7
15°	617.7	611.3	608.2	607.1	607.1
17.5°	546.6	542.3	533.9	533.9	533.9
20°	474.4	470.2	464.9	463.8	464.9
22.5°	411.8	404.4	395.9	396.9	403.3
25°	350.2	343.9	336.4	337.5	342.8
27.5°	298.2	289.7	282.3	284.4	287.6
30°	248.4	243.0	235.6	237.7	240.9
32.5°	205.9	202.7	194.2	196.3	199.5
35°	169.8	166.6	162.4	163.4	163.4
37.5°	135.9	135.9	134.8	133.7	132.7
40°	109.3	111.4	111.4	108.3	106.1
42.5°	89.2	91.3	93.4	89.2	86.0
45°	75.4	76.4	78.5	74.3	72.2
47.5°	65.8	65.8	67.9	64.7	63.7
50°	59.4	59.4	58.4	57.3	58.4
52.5°	54.1	53.1	52.0	53.1	53.1
55°	49.9	48.8	47.8	48.8	48.8
57.5°	46.7	45.6	44.6	44.6	45.6
60°	44.6	42.5	41.4	42.5	43.5
62.5°	42.5	39.3	38.2	39.3	41.4
65°	41.4	37.1	35.0	37.1	40.3
67.5°	40.3	35.0	31.8	35.0	39.3
70°	39.3	32.9	28.7	32.9	38.2
72.5°	38.2	30.8	26.5	30.8	38.2
75°	38.2	28.7	23.3	28.7	37.1
77.5°	36.1	26.5	20.2	26.5	35.0
80°	31.8	24.4	17.0	23.3	29.7
82.5°	23.3	21.2	12.7	20.2	22.3
85°	12.7	14.9	8.5	13.8	11.7
87.5°	2.1	3.2	2.1	6.4	4.2



TEST NUMBER: P1311331

CATALOG NUMBER: P3SQAS13R309050DE010 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)