

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: P1313385

Luminaire Tested: P3SQAS13R209730DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313385
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R209730DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

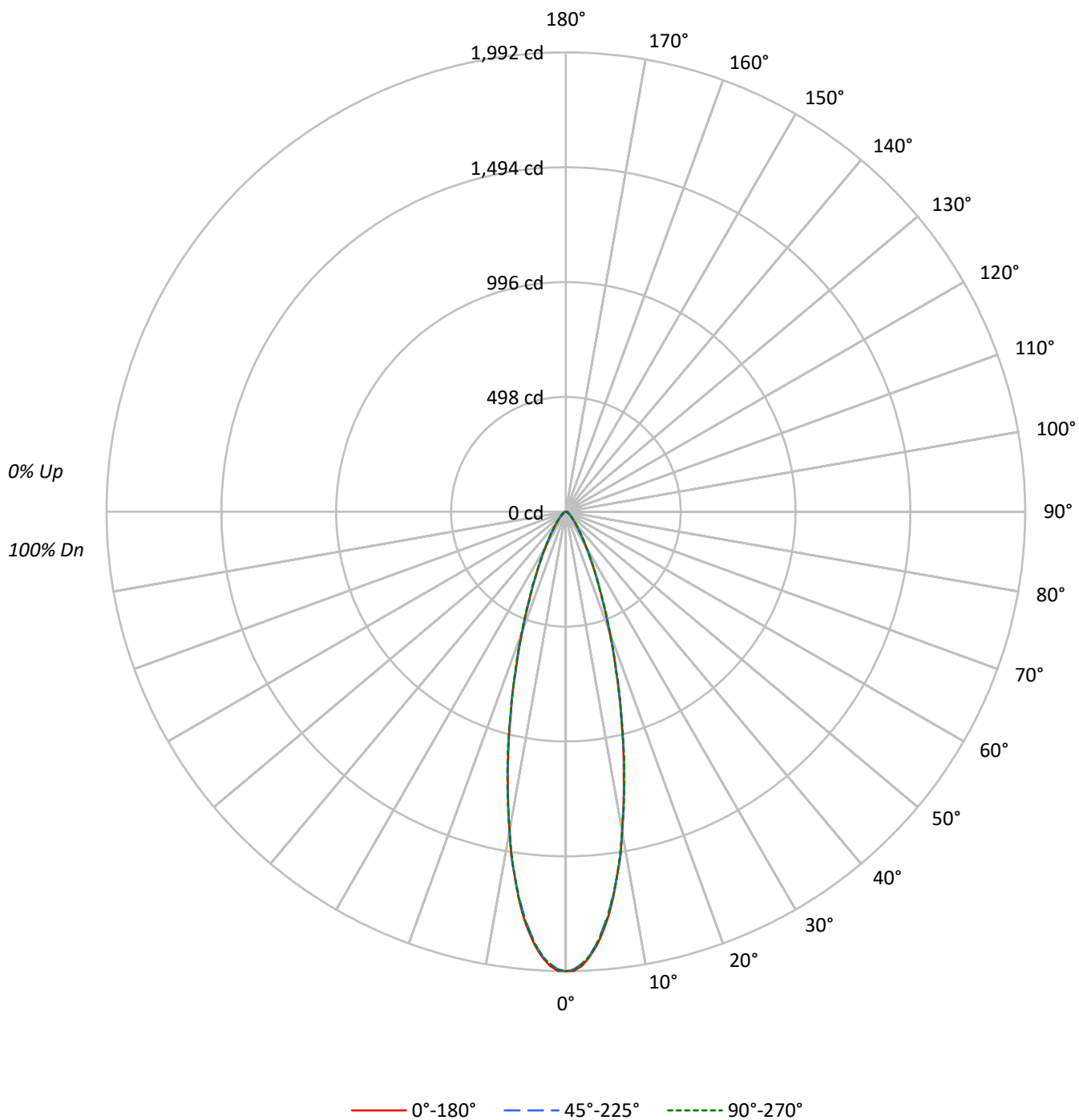
Lumens per Lamp: N/A
Luminaire Lumens: 700.0 lumens
Efficiency: N/A
Efficacy: 47.9 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1313385

CATALOG NUMBER: P3SQAS13R209730DE010 E3SQPHL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1313385

CATALOG NUMBER: P3SQAS13R209730DE010 E3SQPHL1MW

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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	343050	343050	343050
5°	316475	314677	315732
10°	245601	245898	245898
15°	165995	166780	166780
20°	100820	102084	102561
25°	59136	59972	59801
30°	34503	35199	35358
35°	21067	21634	21634
40°	13714	13916	14119
45°	9548	9767	9986
50°	7020	7234	7234
55°	5495	5765	5765
60°	4788	4788	5098
65°	4279	4279	4605
70°	3928	3928	3928
75°	3460	3460	3460
80°	2579	2579	3471
85°	1778	1778	3359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 9986 cd/sqm

TEST NUMBER: P1313385

CATALOG NUMBER: P3SQAS13R209730DE010 E3SQPHL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.6	22.9
10°-20°	257.2	36.7
20°-30°	149.0	21.3
30°-40°	66.8	9.5
40°-50°	31.7	4.5
50°-60°	17.4	2.5
60°-70°	10.5	1.5
70°-80°	5.6	0.8
80°-90°	1.2	0.2
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°	566.8	81.0
0°-40°	633.6	90.5
0°-60°	682.6	97.5
0°-90°	700.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	700.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1992	1992	1992	1992	1992	
5°	1831	1824	1820	1824	1826	161
15°	931	931	935	931	935	256
25°	311	311	316	313	315	147
35°	100	101	103	104	103	65
45°	39	39	40	40	41	31
55°	18	18	19	19	19	17
65°	10	10	10	10	11	10
75°	5	5	5	5	5	6
85°	1	1	1	1	2	1
90°	0	0	0	0	0	

TEST NUMBER: P1313385

CATALOG NUMBER: P3SQAS13R209730DE010 E3SQPHL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1991.9	1991.9	1991.9	1991.9	1991.9
1°	1991.0	1985.8	1984.1	1982.3	1987.5
2°	1971.0	1964.9	1961.4	1963.1	1964.0
3°	1935.2	1931.8	1931.8	1929.1	1930.9
4°	1889.0	1882.1	1882.1	1882.9	1882.9
5°	1830.6	1824.5	1820.2	1823.7	1826.3
6°	1765.3	1757.4	1753.9	1754.8	1760.9
7°	1685.1	1674.6	1676.3	1680.7	1680.7
8°	1594.4	1593.5	1595.3	1593.5	1595.3
9°	1510.7	1498.5	1509.0	1500.2	1504.6
10°	1404.4	1403.5	1406.1	1408.7	1406.1
12.5°	1162.0	1166.4	1168.1	1164.6	1172.5
15°	931.0	931.0	935.4	931.0	935.4
17.5°	724.4	723.5	727.0	723.5	728.8
20°	550.1	556.2	557.0	557.0	559.6
22.5°	414.9	414.9	418.4	419.3	417.6
25°	311.2	311.2	315.6	313.0	314.7
27.5°	230.1	231.9	235.4	237.1	237.1
30°	173.5	174.3	177.0	177.8	177.8
32.5°	130.8	132.5	134.2	135.1	136.0
35°	100.2	101.1	102.9	103.7	102.9
37.5°	76.7	77.6	79.3	80.2	80.2
40°	61.0	61.0	61.9	62.8	62.8
42.5°	47.9	48.8	48.8	49.7	49.7
45°	39.2	39.2	40.1	40.1	41.0
47.5°	31.4	31.4	32.3	33.1	33.1
50°	26.2	26.2	27.0	27.0	27.0
52.5°	21.8	21.8	22.7	22.7	22.7
55°	18.3	18.3	19.2	19.2	19.2
57.5°	15.7	15.7	16.6	16.6	16.6
60°	13.9	13.9	13.9	13.9	14.8
62.5°	12.2	12.2	12.2	12.2	12.2
65°	10.5	10.5	10.5	10.5	11.3
67.5°	8.7	8.7	8.7	8.7	9.6
70°	7.8	7.8	7.8	7.8	7.8
72.5°	6.1	6.1	6.1	7.0	7.0
75°	5.2	5.2	5.2	5.2	5.2
77.5°	4.4	4.4	4.4	4.4	4.4
80°	2.6	2.6	2.6	3.5	3.5
82.5°	1.7	1.7	1.7	1.7	1.7
85°	0.9	0.9	0.9	0.9	1.7
87.5°	0.0	0.0	0.0	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)