

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: P1313736

Luminaire Tested: P3SQAS20R359730D010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313736
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359730D010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

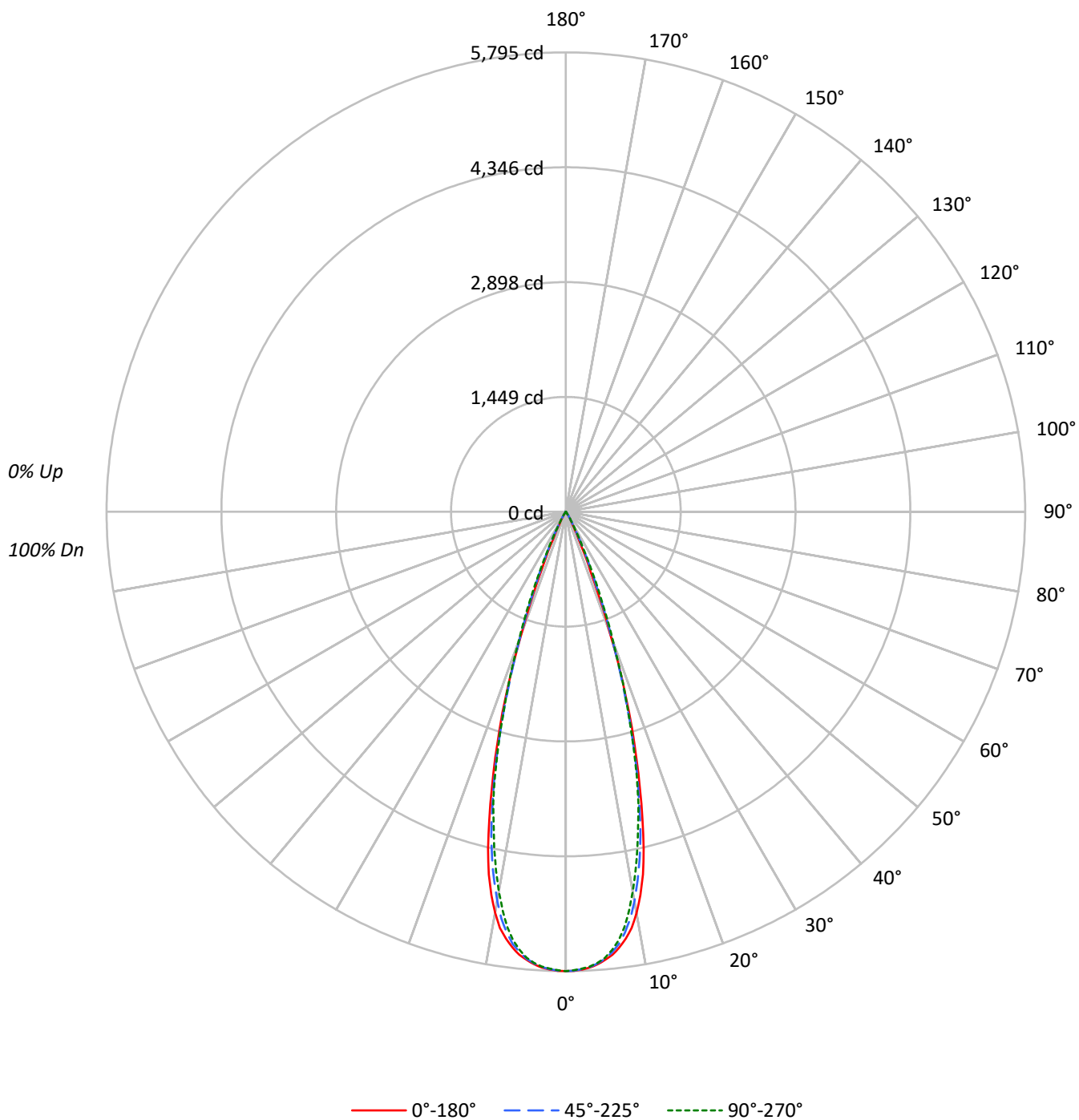
Lumens per Lamp: N/A
Luminaire Lumens: 1759.0 lumens
Efficiency: N/A
Efficacy: 61.1 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1313736

CATALOG NUMBER: P3SQAS20R359730D010 E3SQPH1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1313736

CATALOG NUMBER: P3SQAS20R359730D010 E3SQPH1MW

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93	92	91
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90	89	87
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87	86	85
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	84	82
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82	81	80
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	80	78	77
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	76	75	74
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	75	74	73
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	73	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	998082	998082	998082
5°	980941	978849	976740
10°	899020	871984	850789
15°	643745	623223	615645
20°	298501	308783	319614
25°	70823	100771	105085
30°	20781	23804	26807
35°	4773	7653	7001
40°	1012	2046	1371
45°	365	365	365
50°	402	0	402
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 424 cd/sqm

TEST NUMBER: P1313736

CATALOG NUMBER: P3SQAS20R359730D010 E3SQPH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	520.3	29.6
10°-20°	930.1	52.9
20°-30°	279.8	15.9
30°-40°	26.8	1.5
40°-50°	1.8	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1730.3	98.4
0°-40°	1757.0	99.9
0°-60°	1759.0	100.0
0°-90°	1759.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1759.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5795	5795	5795	5795	5795	
5°	5674	5673	5662	5654	5650	526
15°	3610	3583	3495	3480	3453	954
25°	373	411	530	553	553	240
35°	23	30	36	39	33	21
45°	2	2	2	2	2	2
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1313736

CATALOG NUMBER: P3SQAS20R359730D010 E3SQPH1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5795.3	5795.3	5795.3	5795.3	5795.3
1°	5792.3	5792.3	5789.2	5789.2	5783.2
2°	5778.6	5780.1	5774.1	5772.6	5768.0
3°	5757.4	5752.9	5752.9	5749.8	5746.8
4°	5724.1	5715.0	5712.0	5713.5	5707.4
5°	5674.1	5672.6	5662.0	5654.4	5649.8
6°	5619.5	5608.9	5586.2	5566.5	5562.0
7°	5537.7	5515.0	5495.3	5454.4	5448.3
8°	5437.7	5401.4	5358.9	5301.4	5298.3
9°	5315.0	5255.9	5196.8	5119.6	5092.3
10°	5140.8	5086.2	4986.2	4918.0	4865.0
11°	4924.1	4855.9	4739.3	4657.4	4613.5
12°	4678.7	4615.0	4478.7	4404.4	4342.3
13°	4363.5	4310.5	4183.2	4101.4	4052.9
14°	3998.4	3959.0	3837.8	3801.4	3784.7
15°	3610.5	3583.2	3495.4	3480.2	3452.9
17.5°	2657.5	2612.0	2562.1	2571.1	2580.2
20°	1628.7	1692.4	1684.8	1718.1	1743.9
22.5°	812.1	893.9	989.4	1046.9	1075.7
25°	372.7	410.6	530.3	553.0	553.0
27.5°	187.9	197.0	250.0	254.5	266.7
30°	104.5	112.1	119.7	133.3	134.8
32.5°	53.0	62.1	65.1	72.7	69.7
35°	22.7	30.3	36.4	39.4	33.3
37.5°	10.6	13.6	19.7	18.2	13.6
40°	4.5	6.1	9.1	7.6	6.1
42.5°	3.0	3.0	4.5	3.0	3.0
45°	1.5	1.5	1.5	1.5	1.5
47.5°	1.5	1.5	0.0	1.5	1.5
50°	1.5	0.0	0.0	0.0	1.5
52.5°	1.5	0.0	0.0	0.0	1.5
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1313736

CATALOG NUMBER: P3SQAS20R359730D010 E3SQPH1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)