

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: P1313733

Luminaire Tested: P3SQAS20R359730D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313733
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359730D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

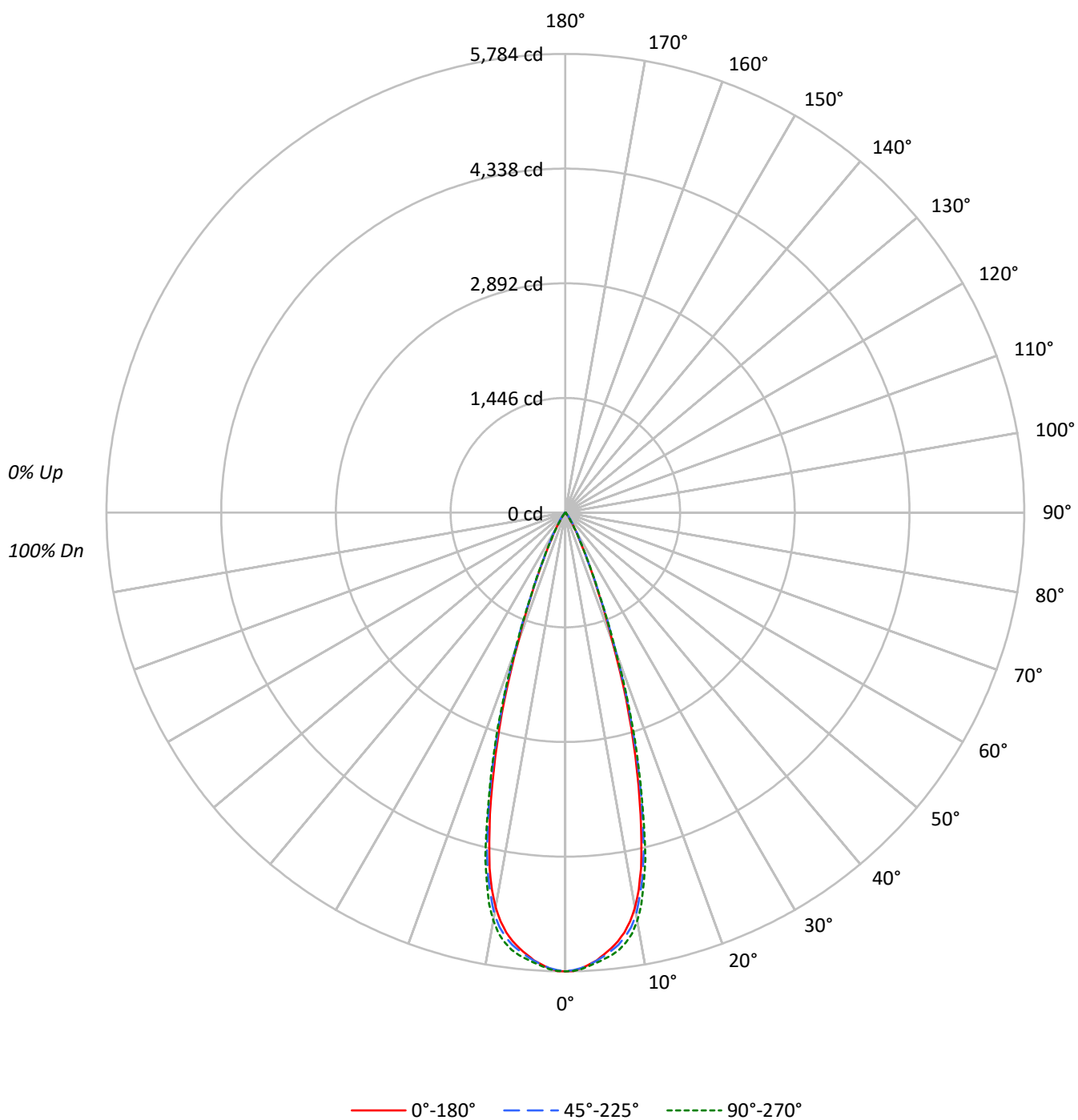
Lumens per Lamp: N/A
Luminaire Lumens: 1942.9 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1313733

CATALOG NUMBER: P3SQAS20R359730D010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1313733

CATALOG NUMBER: P3SQAS20R359730D010 E3SQCD1MW

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		
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96		
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93		
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	89		
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86		
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	83		
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	80		
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	77		
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	75		
9	88	81	77	74	88	81	77	74	80	76	74	79	76	74	79	76	73	72		
10	86	79	75	72	85	78	74	72	78	74	71	77	74	71	76	73	71	70		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	996187	996187	996187
5°	966713	970119	976671
10°	884295	899667	913448
15°	634759	658009	664766
20°	319284	337905	338748
25°	121009	124753	125342
30°	49140	56378	48245
35°	17850	27101	17219
40°	7509	11601	7149
45°	1851	4798	1851
50°	1206	2036	1206
55°	1351	1351	1351
60°	1550	1550	1550
65°	1223	1223	1223
70°	755	755	755
75°	998	998	998
80°	1488	1488	1488
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 4798 cd/sqm

TEST NUMBER: P1313733

CATALOG NUMBER: P3SQAS20R359730D010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	523.0	26.9
10°-20°	974.3	50.1
20°-30°	350.4	18.0
30°-40°	73.6	3.8
40°-50°	12.7	0.7
50°-60°	4.1	0.2
60°-70°	3.0	0.2
70°-80°	1.6	0.1
80°-90°	0.3	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°	1847.7	95.1
0°-40°	1921.3	98.9
0°-60°	1938.1	99.8
0°-90°	1942.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1942.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5784	5784	5784	5784	5784	
5°	5592	5602	5612	5649	5649	518
15°	3560	3622	3690	3730	3728	947
25°	637	646	656	663	660	339
35°	85	100	129	99	82	65
45°	8	12	20	12	8	9
55°	4	4	4	4	4	4
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

TEST NUMBER: P1313733

CATALOG NUMBER: P3SQAS20R359730D010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5784.3	5784.3	5784.3	5784.3	5784.3
1°	5781.3	5781.3	5769.2	5782.8	5778.3
2°	5749.5	5752.5	5744.9	5761.6	5760.1
3°	5705.5	5713.1	5707.0	5731.3	5723.7
4°	5658.5	5664.6	5661.5	5691.8	5688.8
5°	5591.8	5602.4	5611.5	5649.4	5649.4
6°	5523.5	5534.2	5553.9	5594.8	5608.5
7°	5444.7	5458.4	5490.2	5544.8	5553.9
8°	5344.6	5359.8	5403.8	5462.9	5475.0
9°	5220.3	5243.1	5293.1	5364.3	5371.9
10°	5056.6	5074.8	5144.5	5203.6	5223.3
11°	4844.3	4859.4	4921.6	5017.1	5029.3
12°	4586.5	4604.7	4685.1	4747.2	4759.4
13°	4260.5	4295.4	4392.5	4453.1	4486.5
14°	3925.5	3972.5	4042.2	4128.6	4107.4
15°	3560.1	3622.2	3690.5	3729.9	3728.4
17.5°	2664.0	2700.4	2761.0	2783.8	2814.1
20°	1742.1	1789.1	1843.7	1864.9	1848.3
22.5°	1081.1	1093.2	1109.9	1119.0	1115.9
25°	636.8	645.9	656.5	662.6	659.6
27.5°	383.6	404.8	420.0	401.8	391.2
30°	247.1	256.2	283.5	259.3	242.6
32.5°	147.1	168.3	191.0	162.2	141.0
35°	84.9	100.1	128.9	98.6	81.9
37.5°	54.6	62.2	83.4	60.6	53.1
40°	33.4	42.5	51.6	39.4	31.8
42.5°	16.7	25.8	30.3	22.7	16.7
45°	7.6	12.1	19.7	12.1	7.6
47.5°	4.5	6.1	12.1	6.1	4.5
50°	4.5	4.5	7.6	4.5	4.5
52.5°	4.5	4.5	4.5	4.5	4.5
55°	4.5	4.5	4.5	4.5	4.5
57.5°	4.5	4.5	4.5	4.5	4.5
60°	4.5	4.5	4.5	4.5	4.5
62.5°	3.0	3.0	3.0	3.0	3.0
65°	3.0	3.0	3.0	3.0	3.0
67.5°	3.0	3.0	3.0	3.0	3.0
70°	1.5	1.5	1.5	1.5	1.5
72.5°	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	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: P1313733

CATALOG NUMBER: P3SQAS20R359730D010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)