

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: P1313726

Luminaire Tested: P3SQAS20R359730D010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313726
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359730D010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

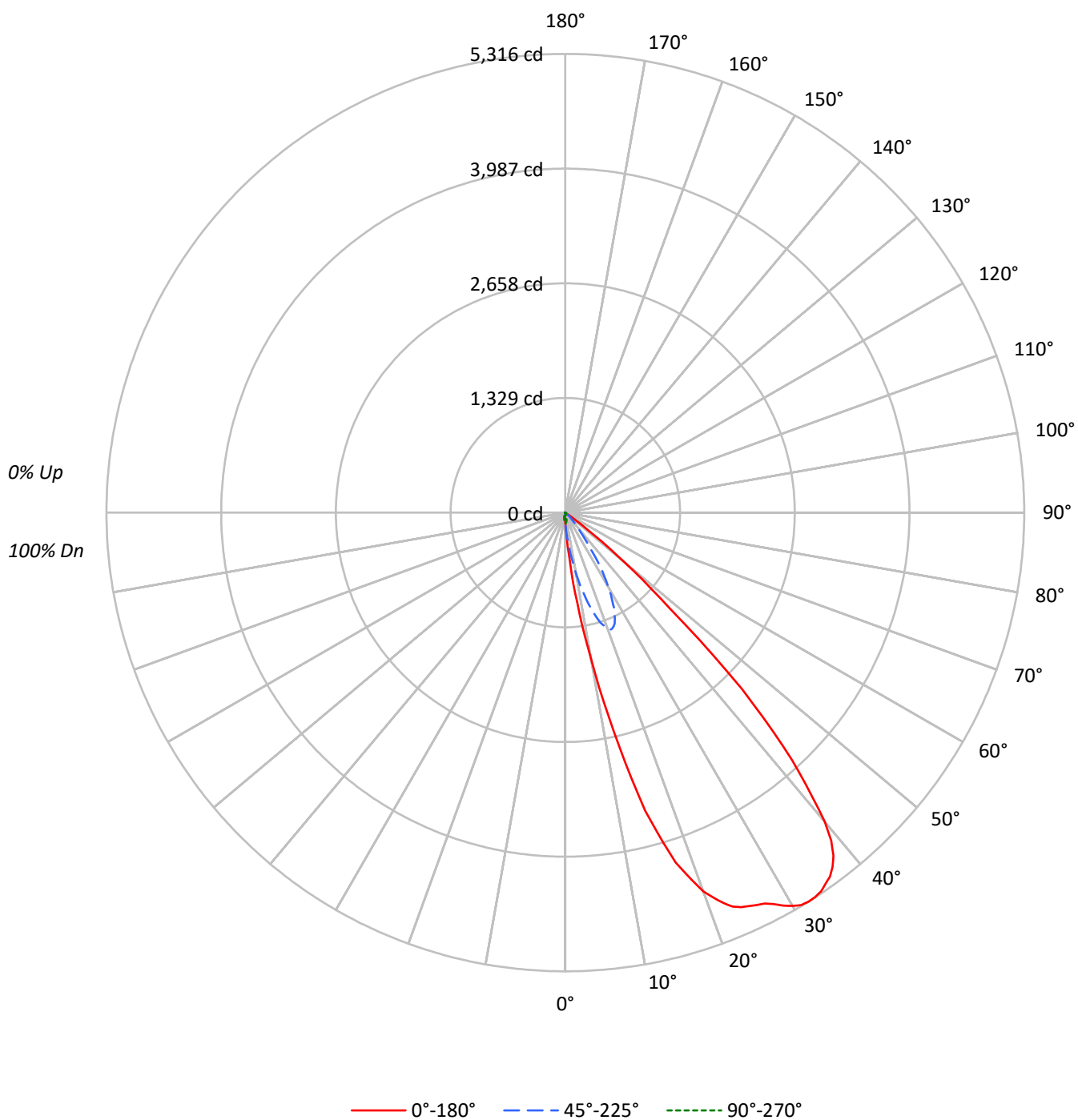
Lumens per Lamp: N/A
Luminaire Lumens: 1588.0 lumens
Efficiency: N/A
Efficacy: 55.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1313726

CATALOG NUMBER: P3SQAS20R359730D010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1313726

CATALOG NUMBER: P3SQAS20R359730D010 E3SQCA301MMS

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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75		
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67		
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	20615	20615	20615	20615	20615
5°	89569	55529	19121	6811	4720
10°	301492	125319	14305	1591	525
15°	638004	205560	8915	0	0
20°	855457	262652	4160	0	0
25°	956062	257942	855	0	0
30°	1046610	197633	0	0	0
35°	1104585	107666	0	0	0
40°	1050048	48359	0	0	0
45°	704764	21409	0	0	0
50°	235431	2036	0	0	0
55°	12731	0	0	0	0
60°	0	0	517	0	0
65°	0	0	1223	0	0
70°	0	755	1511	0	0
75°	0	998	1996	0	0
80°	0	1488	2975	0	0
85°	0	2964	5928	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 704764 cd/sqm

TEST NUMBER: P1313726

CATALOG NUMBER: P3SQAS20R359730D010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.7	1.6
10°-20°	220.3	13.9
20°-30°	483.4	30.4
30°-40°	559.2	35.2
40°-50°	276.0	17.4
50°-60°	20.4	1.3
60°-70°	0.7	0.0
70°-80°	1.1	0.1
80°-90°	1.0	0.1
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°	729.5	45.9
0°-40°	1288.7	81.2
0°-60°	1585.1	99.8
0°-90°	1588.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1588.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	120	120	120	120	120	
5°	518	321	111	39	27	89
15°	3578	1153	50	0	0	1010
25°	5031	1357	4	0	0	2326
35°	5254	512	0	0	0	3244
45°	2894	88	0	0	0	2124
55°	42	0	0	0	0	173
65°	0	0	3	0	0	0
75°	0	2	3	0	0	0
85°	0	2	3	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1313726

CATALOG NUMBER: P3SQAS20R359730D010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	119.7	119.7	119.7	119.7	119.7	119.7	119.7	119.7	119.7	119.7	119.7
2.5°	237.8	243.9	240.9	240.9	239.4	231.8	218.2	213.6	196.9	156.0	121.2
5°	518.1	519.6	515.1	492.4	472.7	454.5	415.1	396.9	321.2	190.9	110.6
7.5°	1051.4	1028.7	999.9	968.1	898.4	834.7	751.4	663.5	496.9	221.2	98.5
10°	1724.0	1692.2	1668.0	1592.2	1466.5	1336.2	1177.1	1033.2	716.6	242.4	81.8
12.5°	2592.1	2573.9	2487.5	2336.1	2149.7	1961.9	1684.6	1455.9	937.8	246.9	66.7
15°	3578.3	3548.0	3416.2	3201.1	2948.1	2652.7	2281.5	1896.7	1152.9	233.3	50.0
17.5°	4252.5	4235.8	4122.2	3896.5	3605.6	3229.9	2790.5	2310.3	1330.1	204.5	34.8
20°	4667.6	4643.3	4537.3	4346.4	4041.9	3649.5	3128.4	2573.9	1433.1	168.2	22.7
21°	4775.1	4750.9	4666.0	4467.6	4176.7	3755.6	3220.8	2637.5	1452.8	151.5	18.2
22°	4876.6	4852.4	4763.0	4587.3	4299.4	3860.1	3293.5	2686.0	1449.8	137.9	13.6
23°	4961.5	4935.7	4847.8	4685.7	4396.4	3952.5	3348.0	2710.2	1430.1	124.2	10.6
24°	5005.4	4990.2	4911.5	4758.5	4475.2	4017.6	3385.9	2719.3	1405.9	110.6	7.6
25°	5031.2	5013.0	4935.7	4794.8	4526.7	4069.2	3410.2	2711.8	1357.4	98.5	4.5
26°	5058.4	5031.2	4943.3	4806.9	4553.9	4093.4	3411.7	2692.1	1305.9	87.9	1.5
27°	5082.7	5056.9	4966.0	4816.0	4558.5	4085.8	3399.5	2654.2	1243.8	77.3	1.5
28°	5135.7	5106.9	5002.4	4835.7	4563.0	4066.1	3361.7	2602.7	1162.0	68.2	0.0
29°	5205.4	5175.1	5055.4	4882.7	4573.6	4044.9	3310.2	2534.5	1090.8	60.6	0.0
30°	5262.9	5235.7	5125.1	4941.8	4600.9	4025.2	3249.6	2442.1	993.8	51.5	0.0
31°	5305.4	5278.1	5176.6	4991.8	4625.1	4007.0	3173.8	2346.7	905.9	45.4	0.0
32°	5316.0	5293.2	5197.8	5013.0	4625.1	3979.8	3104.1	2239.1	819.6	37.9	0.0
33°	5311.4	5288.7	5191.7	4997.8	4584.2	3914.6	3019.3	2110.3	721.1	33.3	0.0
34°	5294.8	5267.5	5164.5	4949.3	4503.9	3804.0	2896.6	1981.6	618.1	27.3	0.0
35°	5253.8	5229.6	5117.5	4858.4	4379.7	3635.9	2733.0	1833.1	512.1	22.7	0.0
36°	5214.5	5178.1	5040.2	4746.3	4216.1	3463.2	2537.5	1661.9	421.2	18.2	0.0
37°	5141.7	5090.2	4950.9	4584.2	3984.3	3219.3	2314.8	1474.0	353.0	13.6	0.0
38°	5044.8	4975.1	4797.8	4396.4	3751.0	2990.5	2105.8	1304.4	296.9	9.1	0.0
39°	4894.8	4813.0	4572.1	4138.8	3481.4	2725.4	1866.4	1124.1	253.0	6.1	0.0
40°	4670.6	4593.3	4326.7	3832.8	3213.2	2433.0	1621.0	921.1	215.1	3.0	0.0
42.5°	3888.9	3782.8	3473.8	2982.9	2375.4	1749.8	1072.6	512.1	142.4	0.0	0.0
45°	2893.6	2799.6	2496.6	2049.7	1583.1	1071.1	574.2	301.5	87.9	0.0	0.0
47.5°	1634.6	1624.0	1427.1	1177.1	883.2	569.6	290.9	181.8	37.9	0.0	0.0
50°	878.7	824.1	710.5	539.3	368.1	248.5	157.6	100.0	7.6	0.0	0.0
52.5°	321.2	310.6	260.6	216.6	166.6	113.6	80.3	43.9	0.0	0.0	0.0
55°	42.4	39.4	40.9	43.9	45.4	39.4	25.8	9.1	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.5	3.0	3.0	3.0	0.0	0.0	0.0	1.5
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	3.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	3.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	3.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	3.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	3.0



TEST NUMBER: P1313726

CATALOG NUMBER: P3SQAS20R359730D010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	3.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	3.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1313726

CATALOG NUMBER: P3SQAS20R359730D010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	119.7	119.7	119.7	119.7
2.5°	92.4	71.2	60.6	59.1
5°	63.6	39.4	28.8	27.3
7.5°	43.9	19.7	13.6	12.1
10°	25.8	9.1	4.5	3.0
12.5°	15.1	1.5	0.0	0.0
15°	4.5	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	1.5	0.0	0.0	0.0
67.5°	1.5	0.0	0.0	0.0
70°	1.5	0.0	0.0	0.0
72.5°	1.5	0.0	0.0	0.0
75°	1.5	0.0	0.0	0.0
77.5°	1.5	0.0	0.0	0.0
80°	1.5	0.0	0.0	0.0



TEST NUMBER: P1313726

CATALOG NUMBER: P3SQAS20R359730D010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.5	0.0	0.0	0.0
85°	1.5	0.0	0.0	0.0
87.5°	1.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)