

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: P1310559

Luminaire Tested: P3SQAS20R359040D010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310559
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: P3SQAS20R359040D010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

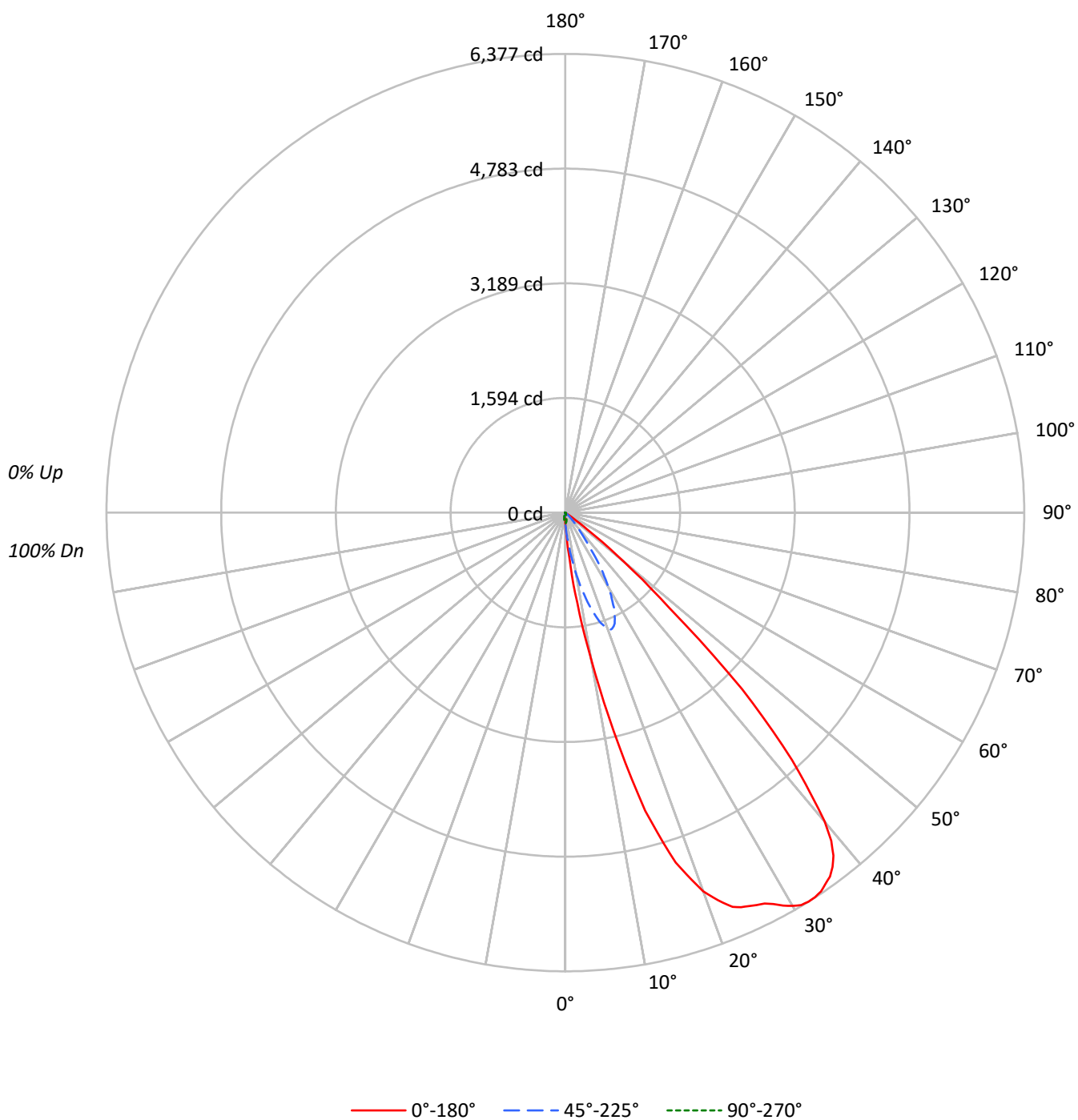
Lumens per Lamp: N/A
Luminaire Lumens: 1905.0 lumens
Efficiency: N/A
Efficacy: 66.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1310559

CATALOG NUMBER: P3SQAS20R359040D010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1310559

CATALOG NUMBER: P3SQAS20R359040D010 E3SQCA301MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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°	24731	24731	24731	24731	24731
5°	107445	66611	22941	8177	5653
10°	361686	150326	17156	1906	630
15°	765362	246586	10698	0	0
20°	1026215	315087	5003	0	0
25°	1146906	309439	1045	0	0
30°	1255538	237088	0	0	0
35°	1325090	129154	0	0	0
40°	1259648	58026	0	0	0
45°	845444	25671	0	0	0
50°	282426	2438	0	0	0
55°	15283	0	0	0	0
60°	0	0	620	0	0
65°	0	0	1467	0	0
70°	0	906	1813	0	0
75°	0	1198	2396	0	0
80°	0	1785	3570	0	0
85°	0	3557	7114	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 845444 cd/sqm

TEST NUMBER: P1310559

CATALOG NUMBER: P3SQAS20R359040D010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.8	1.6
10°-20°	264.3	13.9
20°-30°	579.9	30.4
30°-40°	670.8	35.2
40°-50°	331.1	17.4
50°-60°	24.5	1.3
60°-70°	0.8	0.0
70°-80°	1.4	0.1
80°-90°	1.2	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°	875.1	45.9
0°-40°	1545.9	81.2
0°-60°	1901.5	99.8
0°-90°	1905.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1905.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	144	144	144	144	144	
5°	622	385	133	47	33	107
15°	4293	1383	60	0	0	1211
25°	6036	1628	6	0	0	2790
35°	6303	614	0	0	0	3892
45°	3471	105	0	0	0	2548
55°	51	0	0	0	0	208
65°	0	0	4	0	0	0
75°	0	2	4	0	0	0
85°	0	2	4	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1310559

CATALOG NUMBER: P3SQAS20R359040D010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	143.6	143.6	143.6	143.6	143.6	143.6	143.6	143.6	143.6	143.6	143.6
2.5°	285.3	292.6	289.0	289.0	287.1	278.1	261.7	256.2	236.3	187.2	145.4
5°	621.5	623.4	617.9	590.6	567.0	545.2	498.0	476.2	385.3	229.0	132.7
7.5°	1261.3	1234.0	1199.5	1161.3	1077.7	1001.4	901.4	796.0	596.1	265.3	118.1
10°	2068.2	2030.0	2000.9	1910.1	1759.2	1602.9	1412.1	1239.4	859.6	290.8	98.1
12.5°	3109.5	3087.7	2984.1	2802.4	2578.8	2353.5	2020.9	1746.5	1125.0	296.2	80.0
15°	4292.6	4256.3	4098.2	3840.1	3536.6	3182.2	2737.0	2275.3	1383.0	279.9	60.0
17.5°	5101.4	5081.4	4945.1	4674.3	4325.3	3874.6	3347.6	2771.5	1595.6	245.3	41.8
20°	5599.3	5570.2	5443.0	5214.0	4848.7	4378.0	3752.9	3087.7	1719.2	201.7	27.3
21°	5728.3	5699.3	5597.5	5359.4	5010.5	4505.3	3863.7	3164.0	1742.9	181.7	21.8
22°	5850.1	5821.0	5713.8	5503.0	5157.7	4630.7	3951.0	3222.2	1739.2	165.4	16.4
23°	5951.9	5921.0	5815.6	5621.1	5274.0	4741.5	4016.4	3251.3	1715.6	149.0	12.7
24°	6004.6	5986.4	5891.9	5708.4	5368.5	4819.7	4061.8	3262.2	1686.5	132.7	9.1
25°	6035.5	6013.7	5921.0	5752.0	5430.3	4881.5	4090.9	3253.1	1628.4	118.1	5.5
26°	6068.2	6035.5	5930.1	5766.5	5463.0	4910.5	4092.7	3229.5	1566.6	105.4	1.8
27°	6097.3	6066.4	5957.3	5777.4	5468.5	4901.4	4078.2	3184.0	1492.1	92.7	1.8
28°	6160.9	6126.3	6001.0	5801.0	5473.9	4877.8	4032.7	3122.2	1393.9	81.8	0.0
29°	6244.5	6208.1	6064.6	5857.4	5486.6	4852.4	3971.0	3040.5	1308.5	72.7	0.0
30°	6313.5	6280.8	6148.2	5928.3	5519.3	4828.7	3898.3	2929.6	1192.2	61.8	0.0
31°	6364.4	6331.7	6209.9	5988.2	5548.4	4806.9	3807.4	2815.1	1086.8	54.5	0.0
32°	6377.1	6349.9	6235.4	6013.7	5548.4	4774.2	3723.8	2686.1	983.2	45.4	0.0
33°	6371.7	6344.4	6228.1	5995.5	5499.4	4696.1	3622.0	2531.6	865.1	40.0	0.0
34°	6351.7	6319.0	6195.4	5937.3	5403.0	4563.4	3474.8	2377.1	741.5	32.7	0.0
35°	6302.6	6273.6	6139.1	5828.3	5254.0	4361.7	3278.5	2199.0	614.3	27.3	0.0
36°	6255.4	6211.8	6046.4	5693.8	5057.7	4154.5	3044.1	1993.7	505.2	21.8	0.0
37°	6168.1	6106.4	5939.2	5499.4	4779.7	3861.9	2776.9	1768.3	423.4	16.4	0.0
38°	6051.8	5968.2	5755.6	5274.0	4499.8	3587.5	2526.1	1564.8	356.2	10.9	0.0
39°	5871.9	5773.8	5484.8	4965.1	4176.3	3269.4	2239.0	1348.5	303.5	7.3	0.0
40°	5602.9	5510.3	5190.4	4597.9	3854.6	2918.7	1944.6	1105.0	258.1	3.6	0.0
42.5°	4665.2	4538.0	4167.2	3578.4	2849.6	2099.1	1286.7	614.3	170.8	0.0	0.0
45°	3471.2	3358.5	2995.0	2458.9	1899.2	1284.9	688.8	361.7	105.4	0.0	0.0
47.5°	1960.9	1948.2	1712.0	1412.1	1059.5	683.3	348.9	218.1	45.4	0.0	0.0
50°	1054.1	988.6	852.3	647.0	441.6	298.0	189.0	119.9	9.1	0.0	0.0
52.5°	385.3	372.6	312.6	259.9	199.9	136.3	96.3	52.7	0.0	0.0	0.0
55°	50.9	47.3	49.1	52.7	54.5	47.3	30.9	10.9	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.8	3.6	3.6	3.6	0.0	0.0	0.0	1.8
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	3.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	3.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	3.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	3.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	3.6



TEST NUMBER: P1310559

CATALOG NUMBER: P3SQAS20R359040D010 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	1.8	3.6	3.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	3.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.6	3.6
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: P1310559

CATALOG NUMBER: P3SQAS20R359040D010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	143.6	143.6	143.6	143.6
2.5°	110.9	85.4	72.7	70.9
5°	76.3	47.3	34.5	32.7
7.5°	52.7	23.6	16.4	14.5
10°	30.9	10.9	5.5	3.6
12.5°	18.2	1.8	0.0	0.0
15°	5.5	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°	1.8	0.0	0.0	0.0
67.5°	1.8	0.0	0.0	0.0
70°	1.8	0.0	0.0	0.0
72.5°	1.8	0.0	0.0	0.0
75°	1.8	0.0	0.0	0.0
77.5°	1.8	0.0	0.0	0.0
80°	1.8	0.0	0.0	0.0

TEST NUMBER: P1310559

CATALOG NUMBER: P3SQAS20R359040D010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.8	0.0	0.0	0.0
85°	1.8	0.0	0.0	0.0
87.5°	1.8	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)