

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: P1308324

Luminaire Tested: P3SQAS20R359030D010 E3SQCA301MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308324
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359030D010 E3SQCA301MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3SQCA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

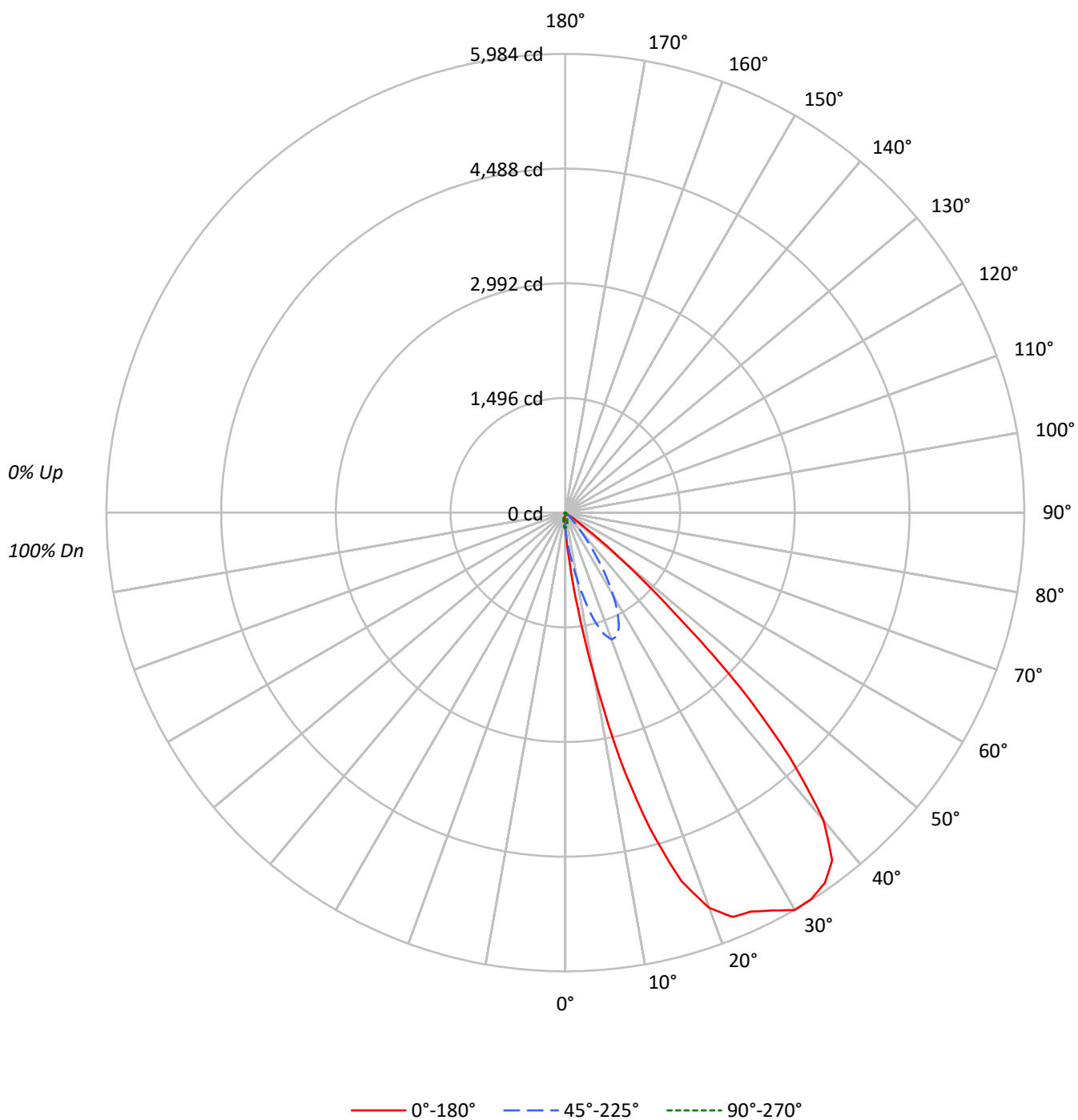
Lumens per Lamp: N/A
Luminaire Lumens: 1882.1 lumens
Efficiency: N/A
Efficacy: 65.3 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1308324

CATALOG NUMBER: P3SQAS20R359030D010 E3SQCA301MW

Luminous Intensity Polar Plot



TEST NUMBER: P1308324

CATALOG NUMBER: P3SQAS20R359030D010 E3SQCA301MW

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83		
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74		
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	86	76	69	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	47	55	50	46	45		
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41		
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	34048	34048	34048	34048	34048
5°	115951	75359	31827	13433	9923
10°	373140	152740	25113	5019	3253
15°	760263	259049	17776	1801	1212
20°	1005358	322638	11455	623	623
25°	1090867	313639	6423	323	646
30°	1189992	249954	2685	338	676
35°	1239962	155581	715	357	715
40°	1176667	67986	382	764	1147
45°	785504	27157	414	1242	2046
50°	263430	4528	911	1822	2706
55°	14713	510	1021	2522	3543
60°	1171	586	1757	2893	4064
65°	1386	693	2078	3423	4809
70°	856	856	2568	4230	5086
75°	1131	1131	3394	4525	5590
80°	0	1686	5058	5058	5058
85°	0	3359	10078	3359	6719

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 785504 cd/sqm

TEST NUMBER: P1308324

CATALOG NUMBER: P3SQAS20R359030D010 E3SQCA301MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.3	1.8
10°-20°	270.3	14.4
20°-30°	570.5	30.3
30°-40°	647.3	34.4
40°-50°	318.6	16.9
50°-60°	27.6	1.5
60°-70°	5.6	0.3
70°-80°	5.2	0.3
80°-90°	2.6	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	46.5
0°-40°	1522.4	80.9
0°-60°	1868.6	99.3
0°-90°	1882.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1882.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	198	198	198	198	198	
5°	671	436	184	78	57	110
15°	4264	1453	100	10	7	1212
25°	5741	1650	34	2	3	2671
35°	5898	740	3	2	3	3635
45°	3225	112	2	5	8	2383
55°	49	2	3	8	12	192
65°	3	2	5	8	12	3
75°	2	2	5	7	8	1
85°	0	2	5	2	3	0
90°	0	0	0	0	0	

TEST NUMBER: P1308324

CATALOG NUMBER: P3SQAS20R359030D010 E3SQCA301MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	197.7	197.7	197.7	197.7	197.7	197.7	197.7	197.7	197.7	197.7	197.7
2.5°	342.9	351.4	348.0	346.3	344.6	337.9	322.7	321.0	305.8	295.6	245.0
5°	670.7	657.2	660.6	642.0	618.3	584.5	562.6	515.3	476.4	435.9	285.5
7.5°	1263.7	1245.1	1209.6	1155.6	1099.8	1027.2	917.3	829.5	728.1	631.8	317.6
10°	2133.7	2123.6	2078.0	1939.4	1817.8	1623.5	1441.1	1248.5	1059.3	873.4	339.6
12.5°	3296.0	3226.8	3144.0	2959.8	2719.9	2476.7	2116.8	1784.0	1481.6	1170.8	341.3
15°	4264.0	4220.1	4103.6	3863.7	3574.8	3223.4	2796.0	2348.3	1892.1	1452.9	324.4
17.5°	5042.9	4975.3	4824.9	4590.1	4257.3	3801.2	3301.1	2755.4	2199.6	1653.9	295.6
20°	5485.5	5450.0	5335.1	5100.3	4737.1	4238.7	3669.4	3034.2	2392.2	1760.4	258.5
22.5°	5708.5	5683.1	5598.7	5411.2	5071.6	4569.8	3917.7	3179.5	2447.9	1748.5	219.6
25°	5740.6	5733.8	5661.2	5519.3	5235.5	4738.8	4025.8	3206.5	2402.3	1650.5	182.5
27.5°	5852.1	5828.4	5742.3	5600.4	5314.9	4767.5	3988.7	3113.6	2255.4	1478.2	152.0
30°	5983.9	5967.0	5880.8	5733.8	5395.9	4740.5	3856.9	2907.5	2020.5	1256.9	113.2
32.5°	5973.7	5967.0	5894.3	5738.9	5338.5	4581.7	3622.1	2598.3	1701.2	991.7	71.0
35°	5897.7	5874.0	5782.8	5542.9	5010.8	4172.8	3176.1	2179.3	1346.5	740.0	45.6
37.5°	5715.2	5664.6	5510.8	5103.7	4424.5	3542.7	2586.5	1682.6	952.8	495.0	28.7
40°	5233.8	5169.6	4860.4	4368.8	3657.6	2790.9	1924.2	1157.2	628.5	302.4	11.8
42.5°	4341.8	4211.7	3902.5	3397.4	2730.1	1973.2	1263.7	750.1	370.0	182.5	3.4
45°	3225.1	3125.4	2801.0	2343.2	1789.1	1265.4	765.3	405.5	204.4	111.5	1.7
47.5°	1878.6	1817.8	1650.5	1349.8	988.3	663.9	391.9	217.9	119.9	54.1	1.7
50°	983.2	907.2	780.5	591.3	435.9	305.8	190.9	116.6	59.1	16.9	1.7
52.5°	344.6	339.6	309.2	233.1	189.2	136.8	92.9	50.7	16.9	3.4	1.7
55°	49.0	49.0	45.6	50.7	54.1	49.0	32.1	13.5	3.4	1.7	1.7
57.5°	3.4	3.4	3.4	5.1	6.8	6.8	5.1	1.7	1.7	1.7	3.4
60°	3.4	3.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4
62.5°	3.4	3.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4
65°	3.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4
67.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4
70°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.1
72.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.1
75°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.1
77.5°	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	3.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	3.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	3.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	3.4
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: P1308324

CATALOG NUMBER: P3SQAS20R359030D010 E3SQCA301MW

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	197.7	197.7	197.7	197.7	197.7
2.5°	196.0	157.1	125.0	109.8	104.7
5°	184.1	118.3	77.7	60.8	57.4
7.5°	163.9	84.5	47.3	33.8	32.1
10°	143.6	60.8	28.7	20.3	18.6
12.5°	119.9	42.2	18.6	11.8	10.1
15°	99.7	28.7	10.1	8.4	6.8
17.5°	79.4	18.6	6.8	5.1	6.8
20°	62.5	11.8	3.4	3.4	3.4
22.5°	47.3	6.8	3.4	3.4	3.4
25°	33.8	3.4	1.7	1.7	3.4
27.5°	23.7	1.7	1.7	1.7	3.4
30°	13.5	1.7	1.7	1.7	3.4
32.5°	6.8	1.7	1.7	3.4	3.4
35°	3.4	1.7	1.7	3.4	3.4
37.5°	1.7	1.7	1.7	3.4	5.1
40°	1.7	1.7	3.4	5.1	5.1
42.5°	1.7	1.7	3.4	5.1	6.8
45°	1.7	3.4	5.1	6.8	8.4
47.5°	3.4	3.4	6.8	8.4	10.1
50°	3.4	5.1	6.8	10.1	10.1
52.5°	3.4	5.1	8.4	10.1	11.8
55°	3.4	6.8	8.4	11.8	11.8
57.5°	5.1	6.8	8.4	11.8	11.8
60°	5.1	6.8	8.4	11.8	11.8
62.5°	5.1	6.8	8.4	11.8	11.8
65°	5.1	6.8	8.4	11.8	11.8
67.5°	5.1	6.8	8.4	10.1	11.8
70°	5.1	6.8	8.4	10.1	10.1
72.5°	6.8	6.8	8.4	10.1	10.1
75°	5.1	6.8	6.8	8.4	8.4
77.5°	5.1	5.1	5.1	6.8	6.8
80°	5.1	5.1	5.1	5.1	5.1
82.5°	5.1	3.4	3.4	5.1	5.1
85°	5.1	3.4	1.7	3.4	3.4
87.5°	3.4	3.4	1.7	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)