

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: P1315962

Luminaire Tested: P3SQAS05R359827DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315962
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: P3SQAS05R359827DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

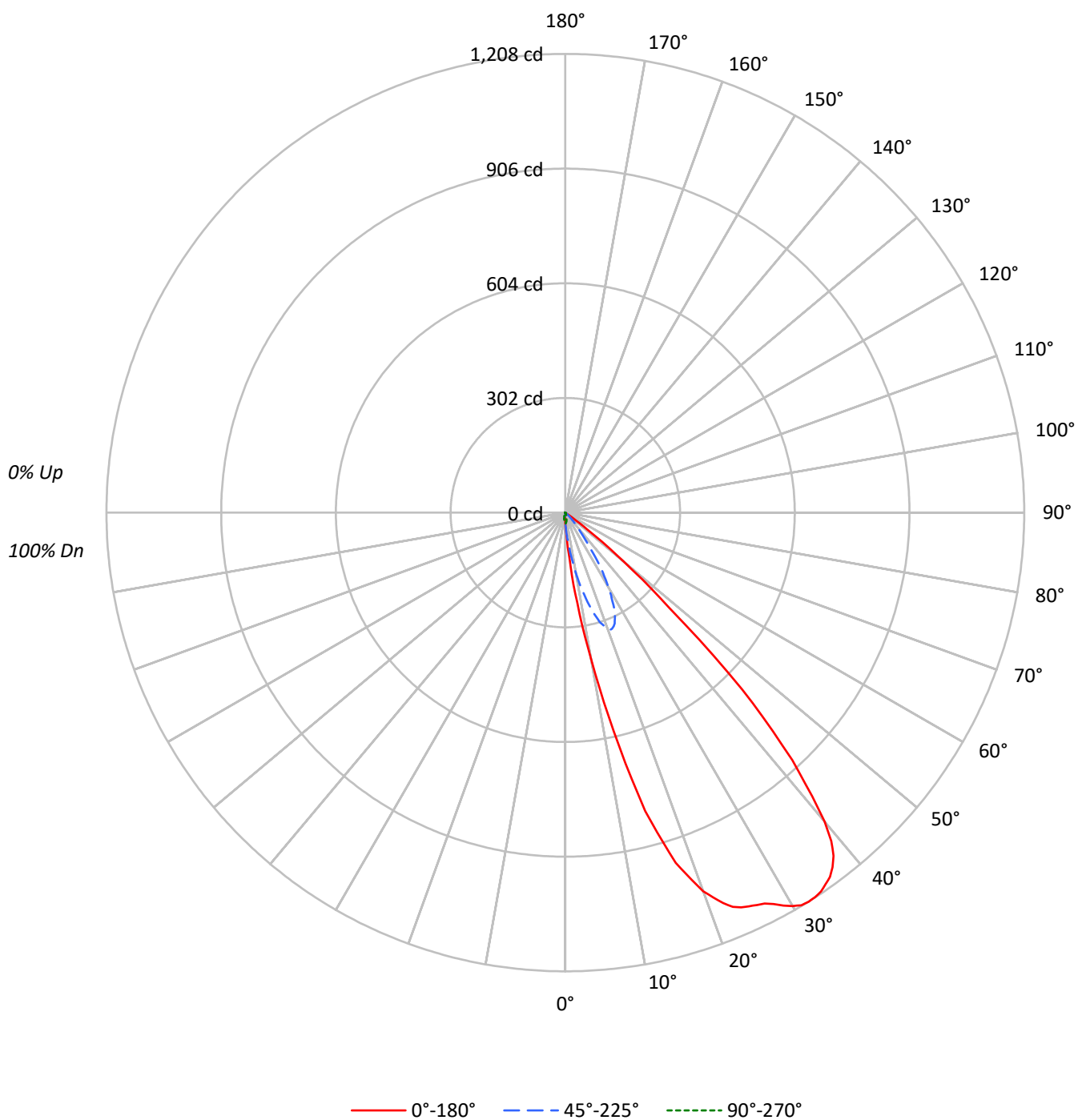
Lumens per Lamp: N/A
Luminaire Lumens: 361.0 lumens
Efficiency: N/A
Efficacy: 50.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1315962

CATALOG NUMBER: P3SQAS05R359827DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1315962

CATALOG NUMBER: P3SQAS05R359827DE010 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	92		
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°	4684	4684	4684	4684	4684
5°	20365	12620	4339	1556	1072
10°	68535	28488	3253	367	122
15°	145045	46732	2033	0	0
20°	194474	59711	953	0	0
25°	217333	58642	190	0	0
30°	237923	44924	0	0	0
35°	251117	24473	0	0	0
40°	238715	10994	0	0	0
45°	160214	4871	0	0	0
50°	53506	455	0	0	0
55°	2883	0	0	0	0
60°	0	0	103	0	0
65°	0	0	285	0	0
70°	0	151	352	0	0
75°	0	200	466	0	0
80°	0	298	694	0	0
85°	0	593	1383	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 160214 cd/sqm

TEST NUMBER: P1315962

CATALOG NUMBER: P3SQAS05R359827DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.8	1.6
10°-20°	50.1	13.9
20°-30°	109.9	30.4
30°-40°	127.1	35.2
40°-50°	62.8	17.4
50°-60°	4.6	1.3
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.2	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°	165.8	45.9
0°-40°	292.9	81.2
0°-60°	360.3	99.8
0°-90°	361.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	361.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	27	27	27	27	27	
5°	118	73	25	9	6	20
15°	814	262	11	0	0	230
25°	1144	309	1	0	0	529
35°	1194	116	0	0	0	737
45°	658	20	0	0	0	483
55°	10	0	0	0	0	39
65°	0	0	1	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1315962

CATALOG NUMBER: P3SQAS05R359827DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
2.5°	54.1	55.4	54.8	54.8	54.4	52.7	49.6	48.6	44.8	35.5	27.6
5°	117.8	118.1	117.1	111.9	107.5	103.3	94.4	90.2	73.0	43.4	25.1
7.5°	239.0	233.8	227.3	220.1	204.2	189.8	170.8	150.8	113.0	50.3	22.4
10°	391.9	384.7	379.2	362.0	333.4	303.8	267.6	234.9	162.9	55.1	18.6
12.5°	589.3	585.1	565.5	531.1	488.7	446.0	383.0	331.0	213.2	56.1	15.2
15°	813.5	806.6	776.6	727.7	670.2	603.0	518.7	431.2	262.1	53.0	11.4
17.5°	966.7	962.9	937.1	885.8	819.7	734.2	634.4	525.2	302.4	46.5	7.9
20°	1061.1	1055.6	1031.5	988.1	918.8	829.6	711.2	585.1	325.8	38.2	5.2
21°	1085.5	1080.0	1060.7	1015.6	949.5	853.8	732.2	599.6	330.3	34.4	4.1
22°	1108.6	1103.1	1082.8	1042.8	977.4	877.5	748.7	610.6	329.6	31.3	3.1
23°	1127.9	1122.0	1102.1	1065.2	999.4	898.5	761.1	616.1	325.1	28.2	2.4
24°	1137.9	1134.4	1116.5	1081.7	1017.3	913.3	769.7	618.2	319.6	25.1	1.7
25°	1143.7	1139.6	1122.0	1090.0	1029.0	925.0	775.2	616.5	308.6	22.4	1.0
26°	1149.9	1143.7	1123.8	1092.8	1035.2	930.6	775.6	612.0	296.9	20.0	0.3
27°	1155.4	1149.6	1128.9	1094.8	1036.3	928.8	772.8	603.4	282.7	17.6	0.3
28°	1167.5	1161.0	1137.2	1099.3	1037.3	924.4	764.2	591.7	264.1	15.5	0.0
29°	1183.3	1176.4	1149.2	1110.0	1039.7	919.5	752.5	576.2	248.0	13.8	0.0
30°	1196.4	1190.2	1165.1	1123.4	1045.9	915.1	738.7	555.2	225.9	11.7	0.0
31°	1206.1	1199.9	1176.8	1134.8	1051.4	910.9	721.5	533.5	205.9	10.3	0.0
32°	1208.5	1203.3	1181.6	1139.6	1051.4	904.7	705.7	509.0	186.3	8.6	0.0
33°	1207.4	1202.3	1180.2	1136.2	1042.1	889.9	686.4	479.7	163.9	7.6	0.0
34°	1203.7	1197.5	1174.0	1125.1	1023.9	864.8	658.5	450.5	140.5	6.2	0.0
35°	1194.4	1188.8	1163.4	1104.5	995.6	826.5	621.3	416.7	116.4	5.2	0.0
36°	1185.4	1177.1	1145.8	1079.0	958.4	787.3	576.9	377.8	95.7	4.1	0.0
37°	1168.9	1157.2	1125.5	1042.1	905.8	731.8	526.2	335.1	80.2	3.1	0.0
38°	1146.8	1131.0	1090.7	999.4	852.7	679.8	478.7	296.5	67.5	2.1	0.0
39°	1112.7	1094.1	1039.4	940.9	791.4	619.6	424.3	255.5	57.5	1.4	0.0
40°	1061.8	1044.2	983.6	871.3	730.5	553.1	368.5	209.4	48.9	0.7	0.0
42.5°	884.1	860.0	789.7	678.1	540.0	397.8	243.8	116.4	32.4	0.0	0.0
45°	657.8	636.4	567.6	466.0	359.9	243.5	130.5	68.5	20.0	0.0	0.0
47.5°	371.6	369.2	324.4	267.6	200.8	129.5	66.1	41.3	8.6	0.0	0.0
50°	199.7	187.4	161.5	122.6	83.7	56.5	35.8	22.7	1.7	0.0	0.0
52.5°	73.0	70.6	59.2	49.2	37.9	25.8	18.3	10.0	0.0	0.0	0.0
55°	9.6	9.0	9.3	10.0	10.3	9.0	5.9	2.1	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.3	0.7	0.7	0.7	0.0	0.0	0.0	0.3
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7



TEST NUMBER: P1315962

CATALOG NUMBER: P3SQAS05R359827DE010 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	0.3	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7
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: P1315962

CATALOG NUMBER: P3SQAS05R359827DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	27.2	27.2	27.2	27.2
2.5°	21.0	16.2	13.8	13.4
5°	14.5	9.0	6.5	6.2
7.5°	10.0	4.5	3.1	2.8
10°	5.9	2.1	1.0	0.7
12.5°	3.4	0.3	0.0	0.0
15°	1.0	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°	0.3	0.0	0.0	0.0
67.5°	0.3	0.0	0.0	0.0
70°	0.3	0.0	0.0	0.0
72.5°	0.3	0.0	0.0	0.0
75°	0.3	0.0	0.0	0.0
77.5°	0.3	0.0	0.0	0.0
80°	0.3	0.0	0.0	0.0



TEST NUMBER: P1315962

CATALOG NUMBER: P3SQAS05R359827DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.3	0.0	0.0	0.0
85°	0.3	0.0	0.0	0.0
87.5°	0.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)