

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: P1317174

Luminaire Tested: P3SQAS13R559830DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317174
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R559830DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 98CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

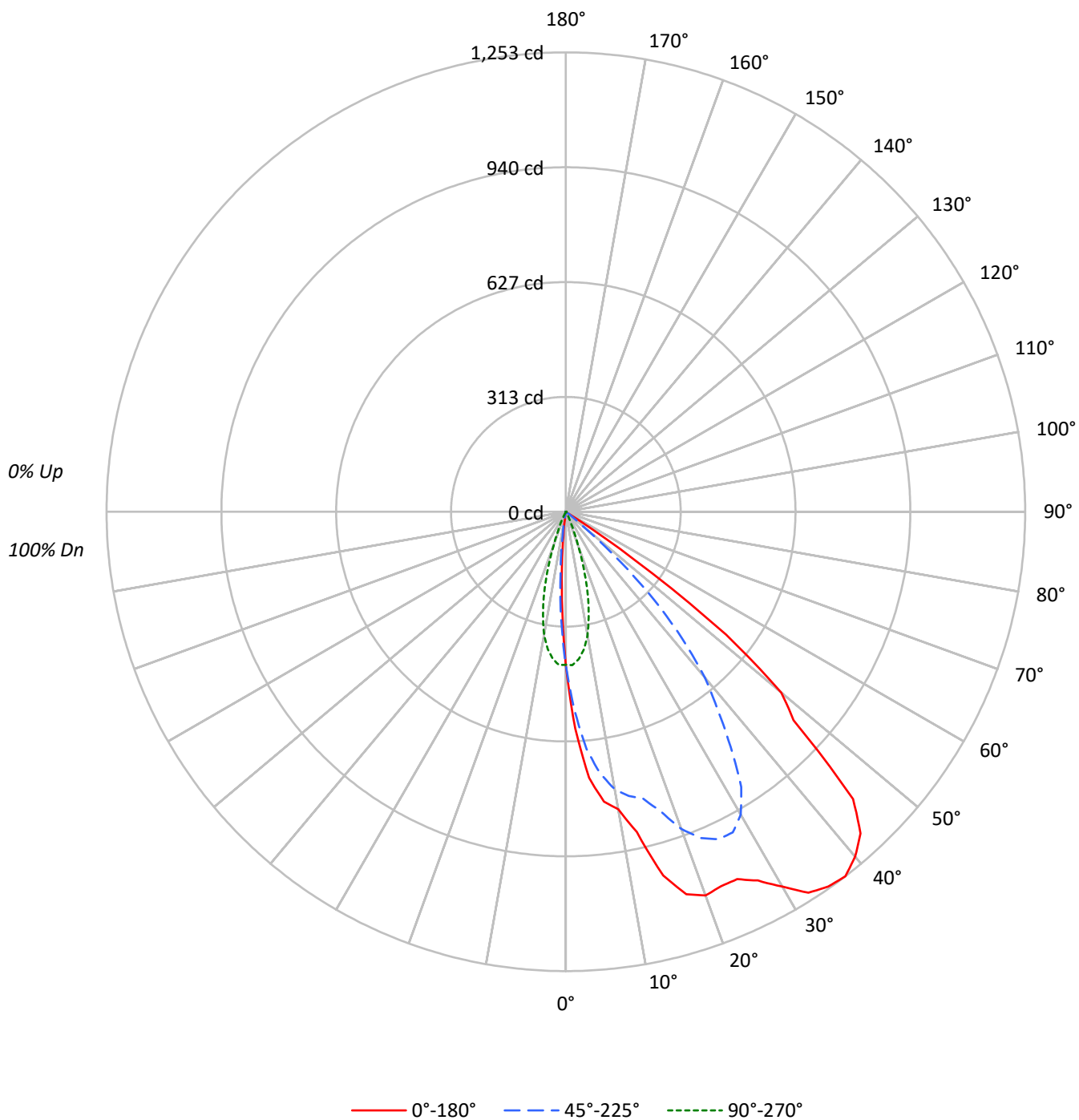
Lumens per Lamp: N/A
Luminaire Lumens: 772.0 lumens
Efficiency: N/A
Efficacy: 53.2 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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: P1317174

CATALOG NUMBER: P3SQAS13R559830DE010 E3SQCA301MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1317174

CATALOG NUMBER: P3SQAS13R559830DE010 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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82		
3	98	91	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73		
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66		
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	71851	71851	71851	71851	71851
5°	125926	112251	69740	28975	16683
10°	144136	134360	59634	3165	1137
15°	183166	144225	40884	642	392
20°	204096	168723	17943	0	0
25°	210093	187214	5093	0	0
30°	234741	189718	716	0	0
35°	262344	164727	0	0	0
40°	275967	132599	0	0	0
45°	269815	83760	0	0	0
50°	205449	17094	0	0	0
55°	67319	0	0	0	0
60°	0	0	0	0	0
65°	0	285	285	0	0
70°	0	352	352	0	0
75°	0	466	466	0	0
80°	0	694	1488	694	0
85°	0	1383	1383	1383	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 269815 cd/sqm

TEST NUMBER: P1317174

CATALOG NUMBER: P3SQAS13R559830DE010 E3SQCA301MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.1	4.9
10°-20°	111.7	14.5
20°-30°	181.7	23.5
30°-40°	215.9	28.0
40°-50°	176.5	22.9
50°-60°	46.8	6.1
60°-70°	0.3	0.0
70°-80°	0.5	0.1
80°-90°	0.5	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°	331.5	42.9
0°-40°	547.4	70.9
0°-60°	770.7	99.8
0°-90°	772.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	772.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	417	417	417	417	417	
5°	728	649	403	168	96	71
15°	1027	809	229	4	2	287
25°	1106	985	27	0	0	521
35°	1248	784	0	0	0	776
45°	1108	344	0	0	0	795
55°	224	0	0	0	0	252
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1317174

CATALOG NUMBER: P3SQAS13R559830DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	417.2	417.2	417.2	417.2	417.2	417.2	417.2	417.2	417.2	417.2	417.2
2.5°	592.0	587.6	588.4	586.2	588.4	578.9	568.8	559.4	552.1	541.9	480.3
5°	728.4	721.1	719.0	716.1	713.2	701.5	692.1	680.5	666.7	649.3	536.1
7.5°	797.3	791.5	788.6	790.1	783.5	779.2	766.8	753.8	739.3	720.4	578.2
10°	824.2	818.3	817.6	816.9	816.2	813.3	807.5	795.9	782.8	768.3	602.2
12.5°	894.5	881.5	872.8	862.6	850.3	834.3	821.3	811.1	806.0	794.4	613.0
15°	1027.3	1015.0	1005.5	992.5	969.3	935.2	904.0	864.1	829.2	808.9	608.7
17.5°	1094.0	1088.2	1080.3	1071.5	1055.6	1030.9	999.0	956.9	912.7	855.3	587.6
20°	1113.6	1110.7	1104.9	1101.3	1090.4	1073.0	1051.2	1018.6	977.2	920.6	555.0
22.5°	1105.6	1107.8	1110.7	1120.2	1121.6	1109.3	1089.0	1057.8	1015.7	963.4	504.9
25°	1105.6	1104.2	1104.2	1123.8	1136.1	1130.3	1115.8	1087.5	1044.7	985.2	443.3
27.5°	1133.9	1125.2	1107.1	1127.4	1147.7	1145.5	1132.5	1099.1	1051.2	985.9	367.8
30°	1180.4	1161.5	1131.8	1150.6	1169.5	1161.5	1140.5	1097.7	1036.7	954.0	275.7
32.5°	1231.9	1223.2	1207.9	1220.3	1217.4	1185.4	1147.7	1088.2	1007.0	890.2	185.7
35°	1247.8	1249.3	1239.1	1237.0	1220.3	1187.6	1147.7	1061.4	944.6	783.5	110.3
37.5°	1252.9	1253.6	1237.7	1217.4	1192.7	1154.3	1106.4	1006.3	829.2	680.5	58.8
40°	1227.5	1226.8	1200.7	1176.0	1148.4	1110.7	1041.1	890.2	719.7	589.8	21.0
42.5°	1189.8	1180.4	1155.7	1125.2	1091.9	1044.7	935.9	751.6	625.4	472.3	1.5
45°	1107.8	1099.1	1079.5	1046.9	1009.9	943.1	771.2	645.7	508.6	343.9	0.0
47.5°	842.3	837.9	858.3	862.6	861.9	785.7	643.5	526.7	373.6	200.2	0.0
50°	766.8	761.0	740.7	714.6	668.2	604.3	515.8	390.3	219.1	63.8	0.0
52.5°	550.6	569.5	573.9	554.3	510.7	447.6	355.5	224.9	76.2	0.0	0.0
55°	224.2	212.6	221.3	232.2	240.9	221.3	164.0	79.8	0.7	0.0	0.0
57.5°	0.0	0.7	4.4	10.2	16.7	21.0	22.5	1.5	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.7	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	1.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	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: P1317174

CATALOG NUMBER: P3SQAS13R559830DE010 E3SQCA301MMS

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	417.2	417.2	417.2	417.2	417.2
2.5°	418.6	354.0	291.6	257.5	240.9
5°	403.4	270.6	167.6	116.1	96.5
7.5°	378.0	185.7	66.7	27.6	19.6
10°	341.0	106.6	18.1	7.3	6.5
12.5°	288.0	48.6	6.5	5.1	5.1
15°	229.3	16.7	3.6	2.9	2.2
17.5°	161.1	4.4	1.5	0.0	0.0
20°	97.9	0.7	0.0	0.0	0.0
22.5°	54.4	0.0	0.0	0.0	0.0
25°	26.8	0.0	0.0	0.0	0.0
27.5°	11.6	0.0	0.0	0.0	0.0
30°	3.6	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.7	0.0	0.0	0.0	0.0
65°	0.7	0.7	0.0	0.0	0.0
67.5°	0.7	0.7	0.0	0.0	0.0
70°	0.7	0.7	0.0	0.0	0.0
72.5°	0.7	0.7	0.0	0.0	0.0
75°	0.7	0.7	0.0	0.0	0.0
77.5°	1.5	0.7	0.7	0.0	0.0
80°	1.5	0.7	0.7	0.0	0.0
82.5°	1.5	0.7	0.7	0.0	0.0
85°	0.7	0.7	0.7	0.0	0.0
87.5°	1.5	0.7	0.7	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)