

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: P1313476

Luminaire Tested: P3SQAS13R609730DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313476
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R609730DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

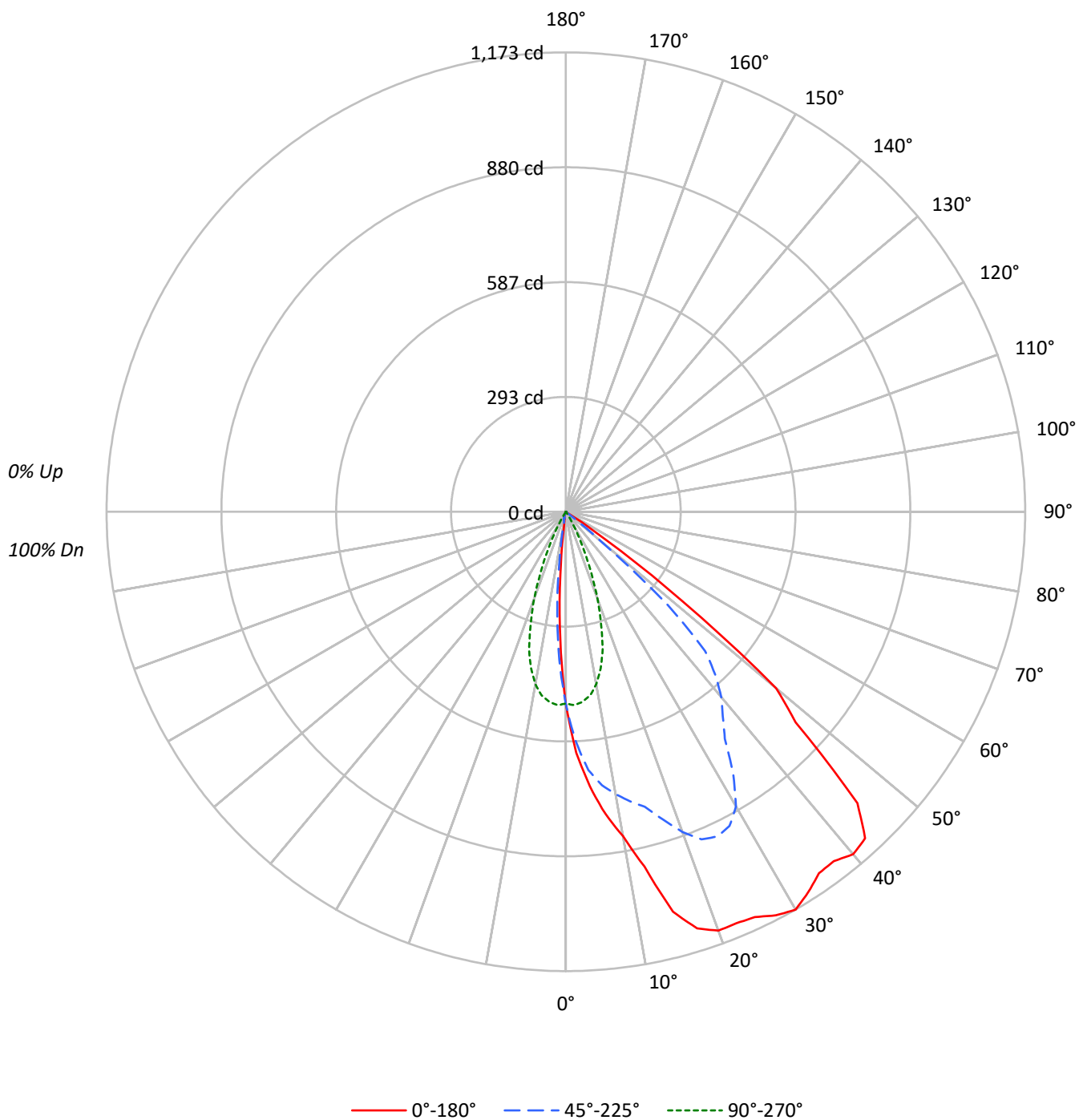
Lumens per Lamp: N/A
Luminaire Lumens: 796.0 lumens
Efficiency: N/A
Efficacy: 54.5 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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

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Luminous Intensity Polar Plot



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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	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	63	84	75	68	63	73	67	63	71	66	62	69	65	61	60		
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	84355	84355	84355	84355	84355
5°	121587	114499	84210	43393	27868
10°	147056	128012	78171	5176	3043
15°	188479	139055	64793	3423	2799
20°	208586	159395	43436	1924	312
25°	216934	173874	21359	171	0
30°	233269	172774	5886	0	0
35°	236904	148769	0	0	0
40°	256655	138714	0	0	0
45°	256395	122462	0	0	0
50°	187712	29660	0	0	0
55°	36632	0	0	0	0
60°	0	0	0	0	0
65°	0	367	367	0	0
70°	0	453	453	0	0
75°	0	599	599	0	0
80°	0	893	893	893	0
85°	0	1778	1778	1778	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 256809 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.0	5.3
10°-20°	119.8	15.0
20°-30°	190.9	24.0
30°-40°	220.6	27.7
40°-50°	175.2	22.0
50°-60°	46.1	5.8
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°	352.7	44.3
0°-40°	573.3	72.0
0°-60°	794.7	99.8
0°-90°	796.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	796.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	490	490	490	490	490	
5°	703	662	487	251	161	71
15°	1057	780	363	19	16	295
25°	1142	915	112	1	0	532
35°	1127	708	0	0	0	716
45°	1053	503	0	0	0	750
55°	122	0	0	0	0	184
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	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	489.8	489.8	489.8	489.8	489.8	489.8	489.8	489.8	489.8	489.8	489.8
2.5°	616.1	622.2	619.6	617.0	610.9	608.3	608.3	601.3	590.0	588.2	580.4
5°	703.3	705.0	705.0	703.3	698.9	691.9	690.2	683.2	672.8	662.3	651.8
7.5°	779.1	778.2	773.0	769.5	761.6	752.1	743.3	733.8	718.1	704.1	689.3
10°	840.9	843.6	839.2	830.5	820.0	807.0	793.0	776.5	752.9	732.0	712.8
12.5°	928.1	927.2	915.9	901.1	875.8	851.4	829.6	811.3	782.6	757.3	733.8
15°	1057.1	1055.3	1044.9	1031.8	995.2	958.6	921.1	869.7	821.8	779.9	746.8
17.5°	1115.4	1118.9	1110.2	1103.2	1082.3	1057.9	1024.8	973.4	899.3	823.5	753.8
20°	1138.1	1142.5	1136.4	1135.5	1125.9	1114.6	1087.6	1031.8	959.5	869.7	783.4
22.5°	1137.2	1140.7	1138.1	1149.4	1160.8	1154.7	1121.5	1065.8	991.7	905.4	807.8
25°	1141.6	1139.0	1129.4	1145.9	1162.5	1157.3	1140.7	1092.8	1011.7	915.0	816.5
27.5°	1161.6	1142.5	1123.3	1144.2	1152.0	1153.8	1144.2	1087.6	1008.3	904.6	799.1
30°	1173.0	1152.0	1136.4	1153.8	1153.8	1163.4	1143.3	1078.8	978.6	868.8	752.9
32.5°	1152.0	1147.7	1161.6	1179.1	1183.4	1183.4	1139.0	1050.1	929.0	795.6	678.9
35°	1126.8	1137.2	1177.3	1185.2	1185.2	1166.0	1112.0	999.5	854.9	707.6	624.0
37.5°	1124.2	1140.7	1185.2	1175.6	1159.9	1124.2	1045.7	911.5	749.4	657.9	583.0
40°	1141.6	1157.3	1183.4	1148.6	1111.1	1055.3	961.2	796.5	685.8	617.0	533.3
42.5°	1131.1	1145.9	1146.8	1095.4	1042.2	966.4	841.8	703.3	639.6	564.7	476.7
45°	1052.7	1054.4	1051.0	996.1	941.2	862.7	730.3	657.1	589.1	502.8	350.3
47.5°	795.6	792.1	805.2	789.5	792.1	745.1	663.2	603.0	522.0	352.9	106.3
50°	700.6	696.3	683.2	669.3	655.3	632.7	594.3	529.8	376.5	110.7	3.5
52.5°	375.6	396.5	437.5	500.2	523.7	522.0	493.2	392.1	118.5	0.9	0.0
55°	122.0	120.3	134.2	158.6	217.9	251.0	261.4	133.3	2.6	0.0	0.0
57.5°	0.0	0.0	0.0	2.6	8.7	22.7	29.6	1.7	0.0	0.9	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	489.8	489.8	489.8	489.8	489.8	489.8	489.8	489.8
2.5°	569.9	557.7	543.8	494.1	435.7	379.1	338.1	327.7
5°	635.3	614.4	584.7	487.1	359.9	251.0	179.5	161.2
7.5°	669.3	651.0	619.6	473.2	278.9	123.7	46.2	31.4
10°	690.2	668.4	633.5	447.0	182.1	29.6	16.6	17.4
12.5°	705.0	679.7	640.5	409.6	92.4	14.8	20.9	21.8
15°	711.1	684.1	639.6	363.4	33.1	19.2	18.3	15.7
17.5°	707.6	673.6	628.3	297.2	11.3	18.3	9.6	7.8
20°	703.3	664.9	610.0	237.0	9.6	10.5	3.5	1.7
22.5°	717.2	650.1	584.7	169.9	9.6	3.5	0.0	0.0
25°	718.9	644.0	552.5	112.4	4.4	0.9	0.0	0.0
27.5°	701.5	608.3	502.8	66.2	0.0	0.0	0.0	0.0
30°	645.7	563.8	449.7	29.6	0.0	0.0	0.0	0.0
32.5°	590.8	514.2	390.4	7.0	0.0	0.0	0.0	0.0
35°	547.3	462.7	325.0	0.0	0.0	0.0	0.0	0.0
37.5°	493.2	401.7	242.3	0.0	0.0	0.0	0.0	0.0
40°	436.6	324.2	121.1	0.0	0.0	0.0	0.0	0.0
42.5°	340.7	154.2	12.2	0.0	0.0	0.0	0.0	0.0
45°	130.7	13.9	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
65°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
67.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
70°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
72.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
75°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
77.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0
82.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)