

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: P1313299

Luminaire Tested: P3SQAS09R559730DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313299
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: P3SQAS09R559730DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

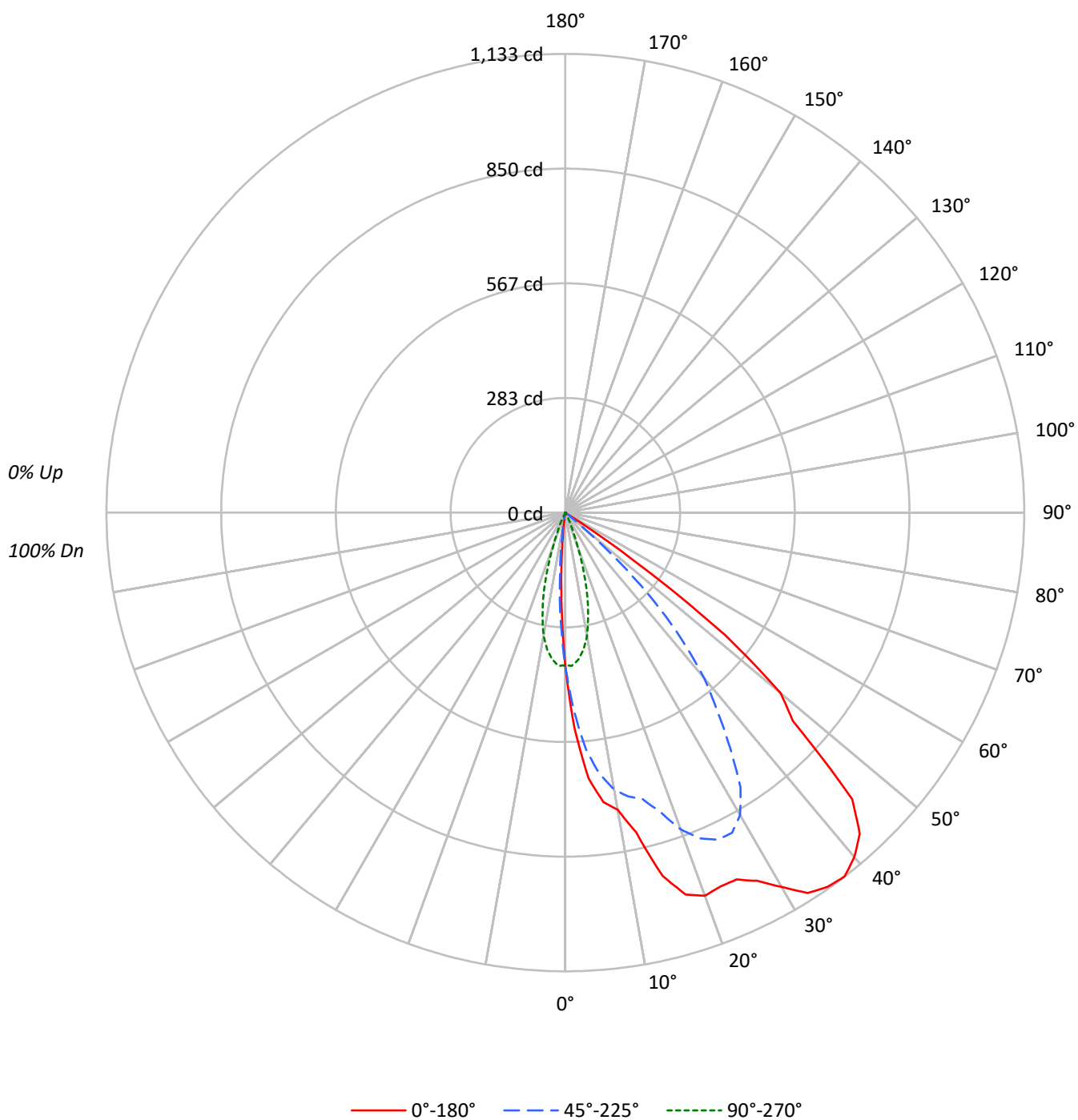
Lumens per Lamp: N/A
Luminaire Lumens: 698.1 lumens
Efficiency: N/A
Efficacy: 62.9 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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				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	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	90	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°	64962	64962	64962	64962	64962
5°	113859	101498	63050	26191	15075
10°	130320	121471	53915	2868	1032
15°	165603	130407	36961	588	357
20°	184540	152559	16238	0	0
25°	189970	169276	4618	0	0
30°	212229	171541	656	0	0
35°	237198	148938	0	0	0
40°	249528	119897	0	0	0
45°	243949	75723	0	0	0
50°	185756	15460	0	0	0
55°	60863	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	1289	694	0
85°	0	1383	1383	1383	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 243949 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.5	4.9
10°-20°	101.0	14.5
20°-30°	164.2	23.5
30°-40°	195.2	28.0
40°-50°	159.6	22.9
50°-60°	42.3	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°	299.7	42.9
0°-40°	494.9	70.9
0°-60°	696.8	99.8
0°-90°	698.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	698.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	377	377	377	377	377	
5°	659	587	365	152	87	65
15°	929	731	207	3	2	260
25°	1000	891	24	0	0	471
35°	1128	708	0	0	0	701
45°	1002	311	0	0	0	719
55°	203	0	0	0	0	228
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°	67.5°
0°	377.2	377.2	377.2	377.2	377.2	377.2	377.2	377.2	377.2	377.2	377.2
2.5°	535.3	531.3	532.0	530.0	532.0	523.4	514.3	505.7	499.2	490.0	434.2
5°	658.6	652.0	650.0	647.4	644.8	634.3	625.8	615.3	602.8	587.1	484.7
7.5°	720.9	715.6	713.0	714.3	708.4	704.5	693.3	681.5	668.4	651.4	522.8
10°	745.2	739.9	739.3	738.6	737.9	735.3	730.1	719.6	707.8	694.6	544.4
12.5°	808.8	797.0	789.1	779.9	768.8	754.3	742.5	733.3	728.8	718.3	554.3
15°	928.8	917.7	909.1	897.3	876.3	845.5	817.3	781.2	749.7	731.4	550.3
17.5°	989.2	983.9	976.7	968.8	954.4	932.1	903.2	865.2	825.2	773.4	531.3
20°	1006.9	1004.3	999.0	995.7	985.9	970.1	950.5	920.9	883.6	832.4	501.8
22.5°	999.7	1001.6	1004.3	1012.8	1014.1	1002.9	984.6	956.4	918.3	871.1	456.5
25°	999.7	998.3	998.3	1016.1	1027.2	1022.0	1008.8	983.3	944.6	890.8	400.8
27.5°	1025.2	1017.4	1001.0	1019.3	1037.7	1035.7	1023.9	993.8	950.5	891.4	332.6
30°	1067.2	1050.2	1023.3	1040.3	1057.4	1050.2	1031.1	992.4	937.3	862.6	249.3
32.5°	1113.8	1105.9	1092.1	1103.3	1100.7	1071.8	1037.7	983.9	910.5	804.8	167.9
35°	1128.2	1129.5	1120.4	1118.4	1103.3	1073.8	1037.7	959.6	854.0	708.4	99.7
37.5°	1132.8	1133.5	1119.0	1100.7	1078.4	1043.6	1000.3	909.8	749.7	615.3	53.1
40°	1109.9	1109.2	1085.6	1063.3	1038.4	1004.3	941.3	804.8	650.7	533.3	19.0
42.5°	1075.8	1067.2	1044.9	1017.4	987.2	944.6	846.2	679.6	565.4	427.0	1.3
45°	1001.6	993.8	976.0	946.5	913.1	852.7	697.3	583.8	459.8	310.9	0.0
47.5°	761.6	757.6	776.0	779.9	779.3	710.4	581.8	476.2	337.8	181.0	0.0
50°	693.3	688.1	669.7	646.1	604.1	546.4	466.4	352.9	198.1	57.7	0.0
52.5°	497.9	514.9	518.9	501.1	461.8	404.7	321.4	203.3	68.9	0.0	0.0
55°	202.7	192.2	200.1	209.9	217.8	200.1	148.2	72.2	0.7	0.0	0.0
57.5°	0.0	0.7	3.9	9.2	15.1	19.0	20.3	1.3	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	1.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	1.3
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

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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	377.2	377.2	377.2	377.2	377.2
2.5°	378.5	320.1	263.7	232.9	217.8
5°	364.7	244.7	151.5	105.0	87.2
7.5°	341.7	167.9	60.3	24.9	17.7
10°	308.3	96.4	16.4	6.6	5.9
12.5°	260.4	43.9	5.9	4.6	4.6
15°	207.3	15.1	3.3	2.6	2.0
17.5°	145.6	3.9	1.3	0.0	0.0
20°	88.6	0.7	0.0	0.0	0.0
22.5°	49.2	0.0	0.0	0.0	0.0
25°	24.3	0.0	0.0	0.0	0.0
27.5°	10.5	0.0	0.0	0.0	0.0
30°	3.3	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°	1.3	0.7	0.7	0.0	0.0
80°	1.3	0.7	0.7	0.0	0.0
82.5°	1.3	0.7	0.7	0.0	0.0
85°	0.7	0.7	0.7	0.0	0.0
87.5°	1.3	0.7	0.7	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)