

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: P1313142

Luminaire Tested: P3SQAS05R559730DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313142
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: P3SQAS05R559730DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

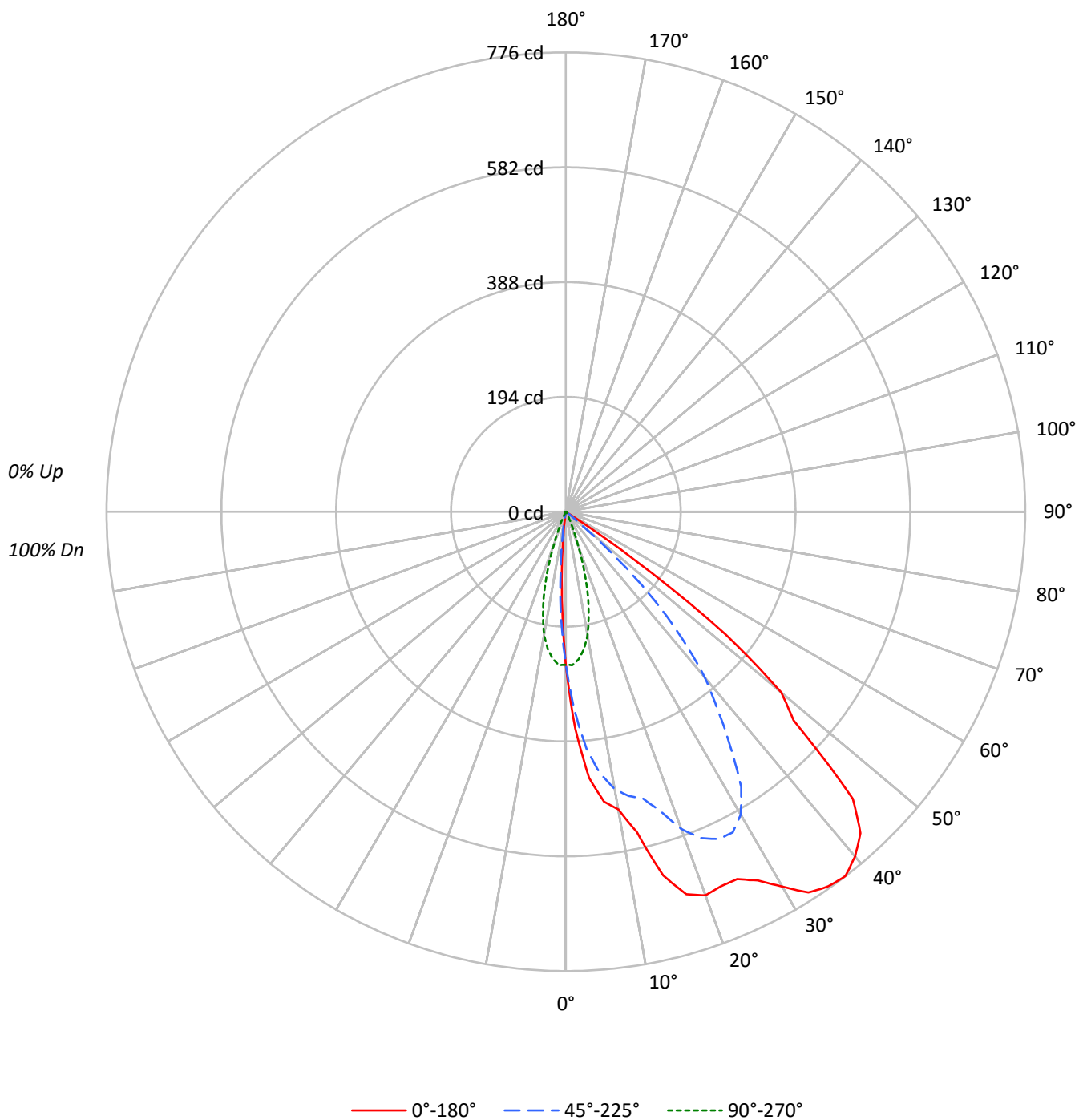
Lumens per Lamp: N/A
Luminaire Lumens: 477.9 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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	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	83	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°	44485	44485	44485	44485	44485
5°	77969	69498	43186	17945	10321
10°	89241	83190	36917	1959	700
15°	113415	89309	25300	392	232
20°	126368	104467	11106	0	0
25°	130092	115916	3154	0	0
30°	145331	117470	438	0	0
35°	162435	101990	0	0	0
40°	170864	82105	0	0	0
45°	167058	51854	0	0	0
50°	127214	10583	0	0	0
55°	41676	0	0	0	0
60°	0	0	0	0	0
65°	0	163	163	0	0
70°	0	201	201	0	0
75°	0	266	266	0	0
80°	0	397	893	397	0
85°	0	790	790	790	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 167058 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.6	4.9
10°-20°	69.2	14.5
20°-30°	112.5	23.5
30°-40°	133.7	28.0
40°-50°	109.3	22.9
50°-60°	29.0	6.1
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.3	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°	205.2	42.9
0°-40°	338.9	70.9
0°-60°	477.2	99.8
0°-90°	477.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	477.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	258	258	258	258	258	
5°	451	402	250	104	60	44
15°	636	501	142	2	1	178
25°	685	610	17	0	0	322
35°	773	485	0	0	0	480
45°	686	213	0	0	0	492
55°	139	0	0	0	0	156
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	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°	258.3	258.3	258.3	258.3	258.3	258.3	258.3	258.3	258.3	258.3	258.3
2.5°	366.5	363.9	364.3	363.0	364.3	358.5	352.2	346.3	341.8	335.6	297.4
5°	451.0	446.5	445.2	443.4	441.6	434.4	428.5	421.4	412.8	402.0	332.0
7.5°	493.7	490.1	488.3	489.2	485.1	482.4	474.8	466.7	457.7	446.1	358.0
10°	510.3	506.7	506.2	505.8	505.4	503.6	500.0	492.8	484.7	475.7	372.8
12.5°	553.9	545.8	540.4	534.1	526.5	516.6	508.5	502.2	499.1	491.9	379.6
15°	636.1	628.4	622.6	614.5	600.1	579.0	559.7	535.0	513.4	500.9	376.9
17.5°	677.4	673.8	668.9	663.5	653.6	638.3	618.5	592.5	565.1	529.6	363.9
20°	689.5	687.7	684.1	681.9	675.1	664.4	650.9	630.7	605.1	570.0	343.6
22.5°	684.6	685.9	687.7	693.6	694.5	686.8	674.3	654.9	628.9	596.5	312.6
25°	684.6	683.7	683.7	695.8	703.4	699.9	690.9	673.4	646.8	610.0	274.5
27.5°	702.1	696.7	685.5	698.1	710.6	709.3	701.2	680.5	650.9	610.5	227.7
30°	730.8	719.2	700.8	712.4	724.1	719.2	706.1	679.6	641.9	590.7	170.7
32.5°	762.7	757.4	747.9	755.6	753.8	734.0	710.6	673.8	623.5	551.2	115.0
35°	772.6	773.5	767.2	765.9	755.6	735.3	710.6	657.2	584.9	485.1	68.3
37.5°	775.8	776.2	766.3	753.8	738.5	714.7	685.0	623.0	513.4	421.4	36.4
40°	760.0	759.6	743.4	728.2	711.1	687.7	644.6	551.2	445.6	365.2	13.0
42.5°	736.7	730.8	715.6	696.7	676.0	646.8	579.5	465.4	387.2	292.4	0.9
45°	685.9	680.5	668.4	648.2	625.3	584.0	477.5	399.8	314.9	212.9	0.0
47.5°	521.5	518.8	531.4	534.1	533.7	486.5	398.4	326.1	231.3	124.0	0.0
50°	474.8	471.2	458.6	442.5	413.7	374.2	319.4	241.7	135.7	39.5	0.0
52.5°	340.9	352.6	355.3	343.2	316.2	277.2	220.1	139.3	47.2	0.0	0.0
55°	138.8	131.6	137.0	143.7	149.1	137.0	101.5	49.4	0.4	0.0	0.0
57.5°	0.0	0.4	2.7	6.3	10.3	13.0	13.9	0.9	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	0.4
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.4	0.4	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
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°	258.3	258.3	258.3	258.3	258.3
2.5°	259.2	219.2	180.6	159.5	149.1
5°	249.8	167.6	103.8	71.9	59.7
7.5°	234.0	115.0	41.3	17.1	12.1
10°	211.1	66.0	11.2	4.5	4.0
12.5°	178.3	30.1	4.0	3.1	3.1
15°	141.9	10.3	2.2	1.8	1.3
17.5°	99.7	2.7	0.9	0.0	0.0
20°	60.6	0.4	0.0	0.0	0.0
22.5°	33.7	0.0	0.0	0.0	0.0
25°	16.6	0.0	0.0	0.0	0.0
27.5°	7.2	0.0	0.0	0.0	0.0
30°	2.2	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°	0.4	0.0	0.0	0.0	0.0
65°	0.4	0.4	0.0	0.0	0.0
67.5°	0.4	0.4	0.0	0.0	0.0
70°	0.4	0.4	0.0	0.0	0.0
72.5°	0.4	0.4	0.0	0.0	0.0
75°	0.4	0.4	0.0	0.0	0.0
77.5°	0.9	0.4	0.4	0.0	0.0
80°	0.9	0.4	0.4	0.0	0.0
82.5°	0.9	0.4	0.4	0.0	0.0
85°	0.4	0.4	0.4	0.0	0.0
87.5°	0.9	0.4	0.4	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)