

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: P1314776

Luminaire Tested: P3SQAS20R709735D010 E3SQCLSWW1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314776
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R709735D010 E3SQCLSWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3SQCLSWW1MMS TR
Light Source: -
Ballast/Driver: -

Summary

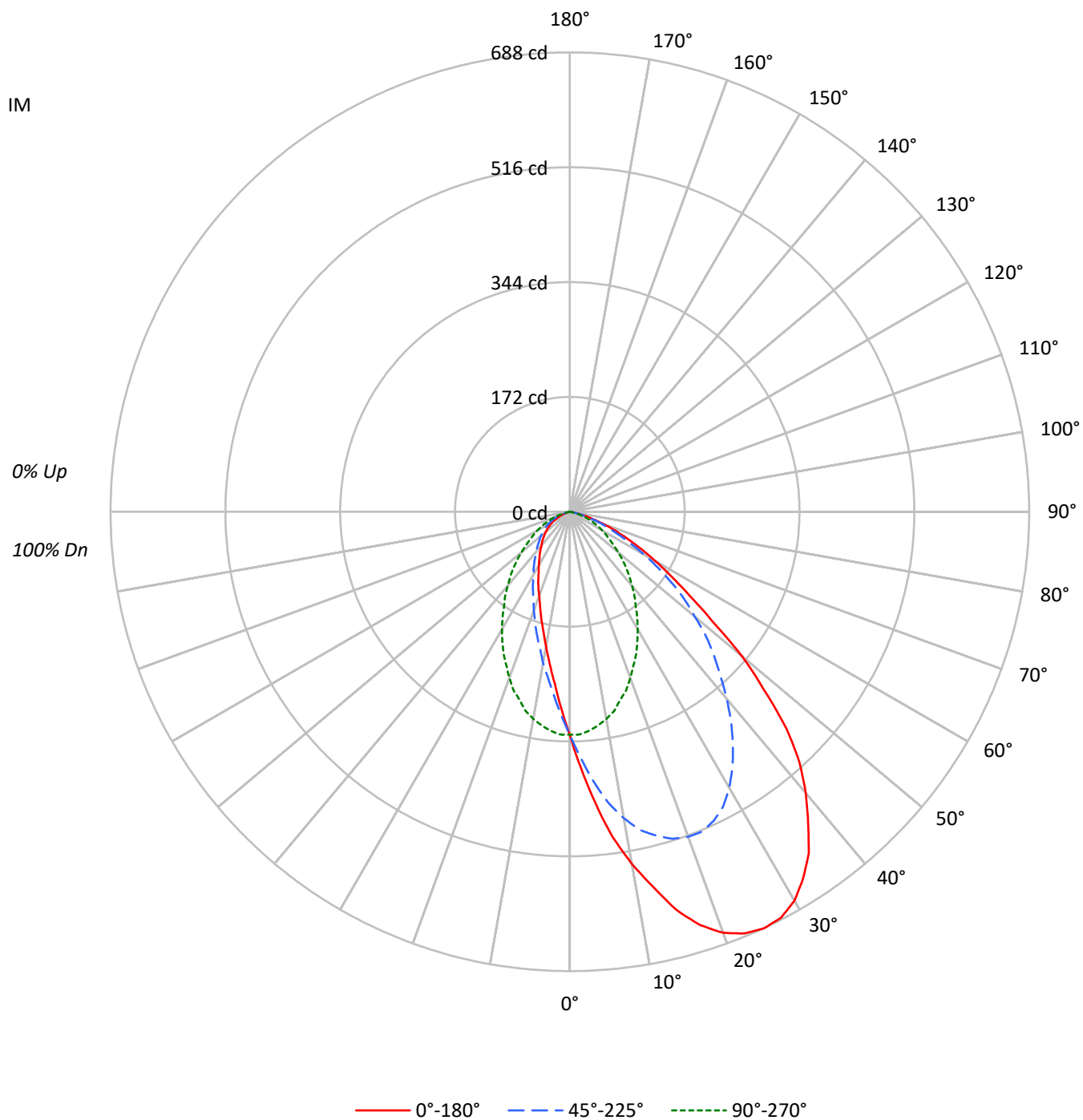
Lumens per Lamp: N/A
Luminaire Lumens: 749.0 lumens
Efficiency: N/A
Efficacy: 26.0 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1314776

CATALOG NUMBER: P3SQAS20R709735D010 E3SQCLSWW1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1314776

CATALOG NUMBER: P3SQAS20R709735D010 E3SQCLSWW1MMS

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89		
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77		
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67		
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59		
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52		
6	75	63	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46		
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42		
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38		
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34		
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	57505	57505	57505	57505	57505
5°	75704	69982	56912	47646	44655
10°	93648	81529	55087	40222	35815
15°	110099	89595	51956	33984	29490
20°	122978	94973	48495	28866	24541
25°	130795	96971	44599	24836	21245
30°	133757	94919	40409	21617	18475
35°	131151	89417	36099	19532	16567
40°	123584	82149	32577	17716	14883
45°	111648	74432	29154	16124	13810
50°	90319	65402	25319	15192	12673
55°	65727	56269	21769	14202	11350
60°	51012	44502	19530	13020	10299
65°	38510	32112	16056	11573	7702
70°	26990	23012	11884	8711	4784
75°	15704	13641	6321	4192	1065
80°	3174	4661	1587	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 111648 cd/sqm

TEST NUMBER: P1314776

CATALOG NUMBER: P3SQAS20R709735D010 E3SQCLSWW1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.6	4.4
10°-20°	97.4	13.0
20°-30°	146.7	19.6
30°-40°	163.1	21.8
40°-50°	144.6	19.3
50°-60°	98.1	13.1
60°-70°	51.5	6.9
70°-80°	14.6	2.0
80°-90°	0.4	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°	276.7	36.9
0°-40°	439.8	58.7
0°-60°	682.5	91.1
0°-90°	749.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	749.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	334	334	334	334	334	
5°	438	405	329	276	258	45
15°	618	502	291	191	165	175
25°	688	510	235	131	112	316
35°	624	425	172	93	79	387
45°	458	306	120	66	57	347
55°	219	187	72	47	38	202
65°	94	79	39	28	19	96
75°	24	20	10	6	2	26
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1314776

CATALOG NUMBER: P3SQAS20R709735D010 E3SQCLSWW1MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9
2.5°	384.3	382.8	381.2	381.2	379.6	378.0	374.9	374.9	371.7	368.6	365.4
5°	437.9	437.9	437.9	433.2	433.2	426.9	423.7	417.4	411.1	404.8	396.9
7.5°	491.4	491.4	486.7	485.1	480.4	474.1	469.4	459.9	448.9	439.5	426.9
10°	535.5	535.5	530.8	527.7	518.2	511.9	502.5	491.4	480.4	466.2	450.5
12.5°	574.9	576.5	570.2	563.9	554.4	545.0	532.4	518.2	504.0	488.3	467.8
15°	617.5	615.9	608.0	600.1	589.1	574.9	559.2	540.3	521.4	502.5	480.4
17.5°	649.0	647.4	639.5	630.1	615.9	598.6	581.2	559.2	537.1	513.5	486.7
20°	671.0	669.4	661.6	649.0	634.8	615.9	595.4	570.2	546.6	518.2	488.3
22.5°	683.6	682.0	672.6	661.6	644.2	623.8	601.7	574.9	548.1	518.2	485.1
25°	688.3	685.2	675.7	663.1	645.8	623.8	598.6	570.2	541.8	510.3	475.7
27.5°	685.2	682.0	671.0	656.8	637.9	612.7	587.5	559.2	529.2	497.7	461.5
30°	672.6	667.9	658.4	644.2	623.8	598.6	571.8	541.8	510.3	477.3	441.0
32.5°	650.5	647.4	637.9	622.2	601.7	576.5	549.7	518.2	486.7	453.6	417.4
35°	623.8	617.5	608.0	593.8	573.3	548.1	521.4	488.3	458.4	425.3	390.6
37.5°	586.0	584.4	573.3	562.3	541.8	515.1	489.9	458.4	428.4	396.9	362.3
40°	549.7	546.6	537.1	524.5	504.0	480.4	453.6	425.3	395.4	365.4	333.9
42.5°	508.8	504.0	497.7	485.1	466.2	442.6	417.4	389.1	362.3	333.9	305.6
45°	458.4	456.8	448.9	442.6	425.3	404.8	379.6	354.4	327.6	305.6	283.5
47.5°	393.8	392.2	390.6	385.9	376.5	362.3	343.4	319.8	299.3	277.2	247.3
50°	337.1	335.5	332.4	330.8	322.9	315.0	300.9	286.7	269.3	244.1	220.5
52.5°	267.8	269.3	274.1	275.6	274.1	267.8	261.5	256.7	233.1	217.4	195.3
55°	218.9	218.9	217.4	218.9	220.5	223.7	223.7	217.4	201.6	187.4	168.5
57.5°	179.6	179.6	179.6	179.6	179.6	181.1	181.1	179.6	171.7	157.5	140.2
60°	148.1	146.5	146.5	148.1	146.5	146.5	148.1	148.1	140.2	129.2	113.4
62.5°	119.7	119.7	119.7	118.1	118.1	119.7	119.7	118.1	111.8	100.8	89.8
65°	94.5	94.5	94.5	94.5	94.5	96.1	94.5	92.9	86.6	78.8	70.9
67.5°	72.5	72.5	74.0	72.5	74.0	74.0	74.0	70.9	66.2	59.9	55.1
70°	53.6	53.6	53.6	55.1	56.7	56.7	55.1	52.0	48.8	45.7	41.0
72.5°	36.2	37.8	37.8	37.8	39.4	39.4	37.8	36.2	34.7	31.5	29.9
75°	23.6	22.1	23.6	23.6	25.2	25.2	23.6	23.6	22.1	20.5	18.9
77.5°	11.0	11.0	12.6	12.6	12.6	12.6	12.6	12.6	12.6	11.0	11.0
80°	3.2	3.2	3.2	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
82.5°	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P1314776

CATALOG NUMBER: P3SQAS20R709735D010 E3SQCLSWW1MMS

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9
2.5°	362.3	357.6	351.3	333.9	318.2	304.0	296.1	294.6
5°	387.5	381.2	365.4	329.2	299.3	275.6	261.5	258.3
7.5°	414.3	401.7	379.6	322.9	280.4	250.4	234.7	230.0
10°	434.7	419.0	389.1	315.0	261.5	230.0	211.1	204.8
12.5°	448.9	430.0	396.9	305.6	245.7	207.9	189.0	182.7
15°	456.8	436.3	398.5	291.4	226.8	190.6	170.1	165.4
17.5°	459.9	436.3	395.4	280.4	209.5	173.3	154.4	148.1
20°	458.4	430.0	387.5	264.6	193.7	157.5	138.6	133.9
22.5°	452.1	420.6	374.9	248.9	178.0	141.8	126.0	122.9
25°	442.6	408.0	360.7	234.7	163.8	130.7	115.0	111.8
27.5°	426.9	392.2	341.8	218.9	151.2	119.7	105.5	100.8
30°	406.4	373.3	322.9	203.2	138.6	108.7	96.1	92.9
32.5°	384.3	351.3	304.0	187.4	127.6	100.8	88.2	85.1
35°	359.1	327.6	280.4	171.7	116.6	92.9	80.3	78.8
37.5°	333.9	302.4	259.9	159.1	107.1	85.1	74.0	72.5
40°	305.6	280.4	248.9	144.9	99.2	78.8	69.3	66.2
42.5°	288.3	253.6	214.2	132.3	91.4	72.5	63.0	61.4
45°	250.4	225.2	193.7	119.7	83.5	66.2	58.3	56.7
47.5°	225.2	203.2	173.3	107.1	77.2	61.4	53.6	52.0
50°	200.0	179.6	151.2	94.5	70.9	56.7	48.8	47.3
52.5°	174.8	154.4	129.2	83.5	63.0	52.0	44.1	42.5
55°	149.6	130.7	107.1	72.5	56.7	47.3	41.0	37.8
57.5°	122.9	107.1	91.4	64.6	50.4	42.5	36.2	33.1
60°	99.2	89.8	77.2	56.7	44.1	37.8	31.5	29.9
62.5°	80.3	72.5	64.6	48.8	39.4	33.1	28.4	23.6
65°	64.6	59.9	53.6	39.4	33.1	28.4	23.6	18.9
67.5°	50.4	47.3	42.5	33.1	26.8	23.6	17.3	14.2
70°	39.4	36.2	33.1	23.6	20.5	17.3	12.6	9.5
72.5°	28.4	25.2	23.6	17.3	14.2	12.6	7.9	4.7
75°	17.3	17.3	14.2	9.5	7.9	6.3	3.2	1.6
77.5°	9.5	9.5	7.9	4.7	4.7	1.6	0.0	0.0
80°	4.7	3.2	3.2	1.6	1.6	0.0	0.0	0.0
82.5°	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)