

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: P1312832

Luminaire Tested: P3SQAS20R709727D010 E3SQCLSWW1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312832
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: P3SQAS20R709727D010 E3SQCLSWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3SQCLSWW1MMS TR
Light Source: -
Ballast/Driver: -

Summary

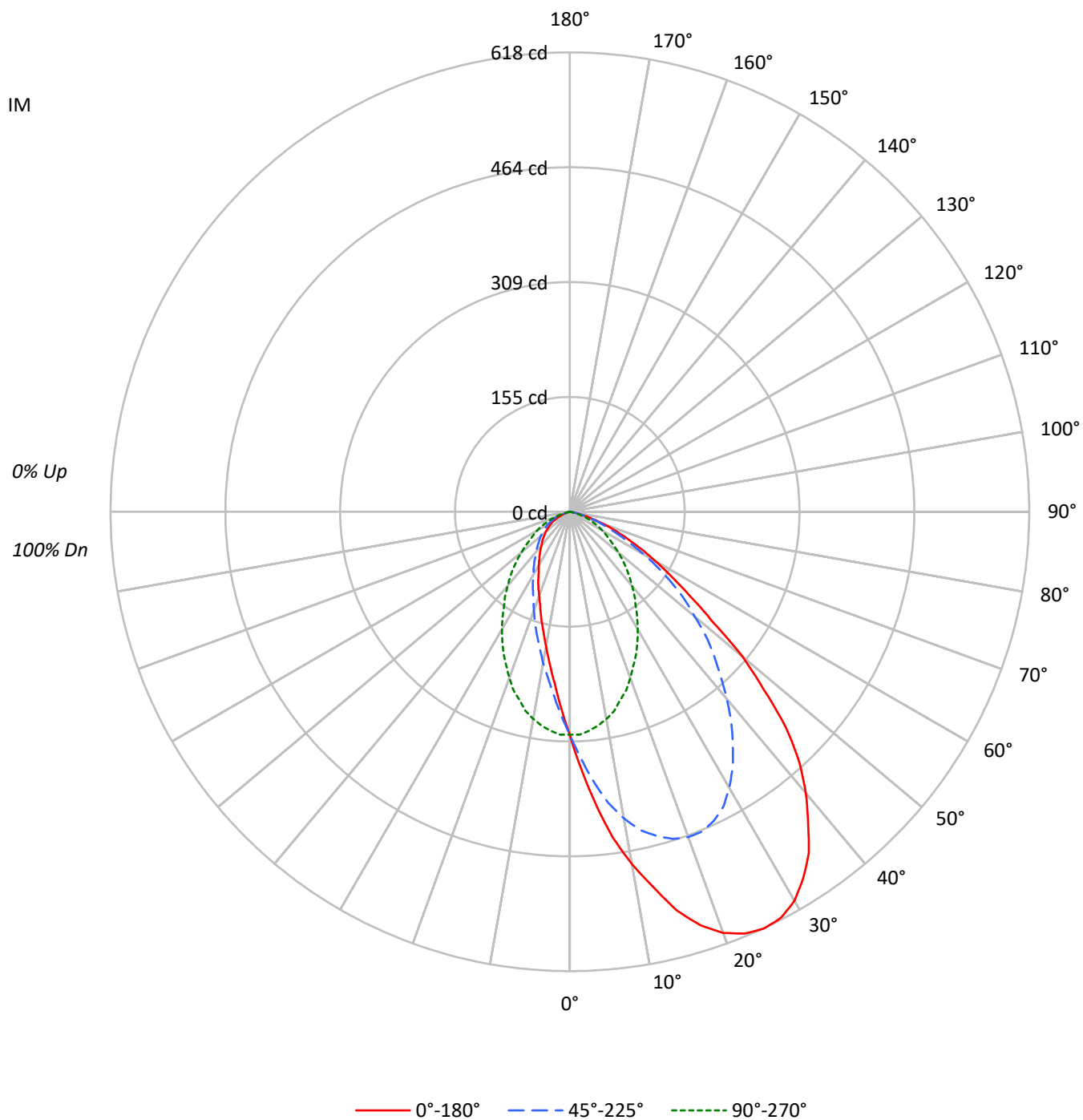
Lumens per Lamp: N/A
Luminaire Lumens: 673.0 lumens
Efficiency: N/A
Efficacy: 23.4 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1312832

CATALOG NUMBER: P3SQAS20R709727D010 E3SQCLSWW1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1312832

CATALOG NUMBER: P3SQAS20R709727D010 E3SQCLSWW1MMS

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	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	64	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°	51667	51667	51667	51667	51667
5°	68028	62877	51138	42823	40126
10°	84152	73257	49508	36130	32178
15°	98920	80502	46678	30542	26495
20°	110497	85333	43583	25933	22048
25°	117531	87146	40077	22328	19098
30°	120174	85274	36313	19429	16605
35°	117842	80335	32441	17555	14885
40°	111039	73831	29272	15917	13354
45°	100322	66881	26207	14467	12422
50°	81156	58784	22747	13664	11387
55°	59061	50564	19547	12761	10209
60°	45811	39990	17567	11711	9266
65°	34598	28852	14426	10392	6928
70°	24221	20645	10675	7855	4280
75°	14107	12244	5656	3793	932
80°	2777	4166	1389	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 100322 cd/sqm

TEST NUMBER: P1312832

CATALOG NUMBER: P3SQAS20R709727D010 E3SQCLSWW1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.3	4.4
10°-20°	87.5	13.0
20°-30°	131.8	19.6
30°-40°	146.5	21.8
40°-50°	129.9	19.3
50°-60°	88.2	13.1
60°-70°	46.2	6.9
70°-80°	13.1	1.9
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°	248.6	36.9
0°-40°	395.2	58.7
0°-60°	613.2	91.1
0°-90°	673.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	673.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	300	300	300	300	300	
5°	394	364	296	248	232	40
15°	555	452	262	171	149	157
25°	618	459	211	118	100	284
35°	560	382	154	84	71	347
45°	412	275	108	59	51	312
55°	197	168	65	42	34	182
65°	85	71	35	26	17	86
75°	21	18	8	6	1	23
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1312832

CATALOG NUMBER: P3SQAS20R709727D010 E3SQCLSWW1MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0
2.5°	345.3	343.9	342.5	342.5	341.1	339.7	336.8	336.8	334.0	331.2	328.4
5°	393.5	393.5	393.5	389.2	389.2	383.5	380.7	375.1	369.4	363.7	356.7
7.5°	441.6	441.6	437.3	435.9	431.7	426.0	421.8	413.3	403.4	394.9	383.5
10°	481.2	481.2	477.0	474.1	465.6	460.0	451.5	441.6	431.7	418.9	404.8
12.5°	516.6	518.0	512.3	506.7	498.2	489.7	478.4	465.6	452.9	438.7	420.3
15°	554.8	553.4	546.3	539.2	529.3	516.6	502.4	485.5	468.5	451.5	431.7
17.5°	583.1	581.7	574.6	566.1	553.4	537.8	522.2	502.4	482.6	461.4	437.3
20°	602.9	601.5	594.4	583.1	570.4	553.4	535.0	512.3	491.1	465.6	438.7
22.5°	614.2	612.8	604.3	594.4	578.9	560.5	540.6	516.6	492.5	465.6	435.9
25°	618.5	615.7	607.2	595.8	580.3	560.5	537.8	512.3	486.9	458.6	427.4
27.5°	615.7	612.8	602.9	590.2	573.2	550.6	527.9	502.4	475.5	447.2	414.7
30°	604.3	600.1	591.6	578.9	560.5	537.8	513.8	486.9	458.6	428.8	396.3
32.5°	584.5	581.7	573.2	559.0	540.6	518.0	493.9	465.6	437.3	407.6	375.1
35°	560.5	554.8	546.3	533.6	515.2	492.5	468.5	438.7	411.9	382.1	351.0
37.5°	526.5	525.1	515.2	505.3	486.9	462.8	440.2	411.9	385.0	356.7	325.5
40°	493.9	491.1	482.6	471.3	452.9	431.7	407.6	382.1	355.2	328.4	300.0
42.5°	457.1	452.9	447.2	435.9	418.9	397.7	375.1	349.6	325.5	300.0	274.6
45°	411.9	410.4	403.4	397.7	382.1	363.7	341.1	318.4	294.4	274.6	254.8
47.5°	353.8	352.4	351.0	346.8	338.3	325.5	308.5	287.3	268.9	249.1	222.2
50°	302.9	301.5	298.6	297.2	290.1	283.1	270.3	257.6	242.0	219.4	198.1
52.5°	240.6	242.0	246.3	247.7	246.3	240.6	234.9	230.7	209.5	195.3	175.5
55°	196.7	196.7	195.3	196.7	198.1	201.0	201.0	195.3	181.2	168.4	151.4
57.5°	161.3	161.3	161.3	161.3	161.3	162.8	162.8	161.3	154.3	141.5	126.0
60°	133.0	131.6	131.6	133.0	131.6	131.6	133.0	133.0	126.0	116.1	101.9
62.5°	107.6	107.6	107.6	106.1	106.1	107.6	107.6	106.1	100.5	90.6	80.7
65°	84.9	84.9	84.9	84.9	84.9	86.3	84.9	83.5	77.8	70.8	63.7
67.5°	65.1	65.1	66.5	65.1	66.5	66.5	66.5	63.7	59.4	53.8	49.5
70°	48.1	48.1	48.1	49.5	51.0	51.0	49.5	46.7	43.9	41.0	36.8
72.5°	32.6	34.0	34.0	34.0	35.4	35.4	34.0	32.6	31.1	28.3	26.9
75°	21.2	19.8	21.2	21.2	22.6	22.6	21.2	21.2	19.8	18.4	17.0
77.5°	9.9	9.9	11.3	11.3	11.3	11.3	11.3	11.3	11.3	9.9	9.9
80°	2.8	2.8	2.8	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
82.5°	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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: P1312832

CATALOG NUMBER: P3SQAS20R709727D010 E3SQCLSWW1MMS

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0
2.5°	325.5	321.3	315.6	300.0	285.9	273.2	266.1	264.7
5°	348.2	342.5	328.4	295.8	268.9	247.7	234.9	232.1
7.5°	372.2	360.9	341.1	290.1	251.9	225.0	210.9	206.6
10°	390.6	376.5	349.6	283.1	234.9	206.6	189.7	184.0
12.5°	403.4	386.4	356.7	274.6	220.8	186.8	169.8	164.2
15°	410.4	392.0	358.1	261.8	203.8	171.3	152.9	148.6
17.5°	413.3	392.0	355.2	251.9	188.2	155.7	138.7	133.0
20°	411.9	386.4	348.2	237.8	174.1	141.5	124.5	120.3
22.5°	406.2	377.9	336.8	223.6	159.9	127.4	113.2	110.4
25°	397.7	366.6	324.1	210.9	147.2	117.5	103.3	100.5
27.5°	383.5	352.4	307.1	196.7	135.9	107.6	94.8	90.6
30°	365.1	335.4	290.1	182.6	124.5	97.7	86.3	83.5
32.5°	345.3	315.6	273.2	168.4	114.6	90.6	79.3	76.4
35°	322.7	294.4	251.9	154.3	104.7	83.5	72.2	70.8
37.5°	300.0	271.7	233.5	142.9	96.2	76.4	66.5	65.1
40°	274.6	251.9	223.6	130.2	89.2	70.8	62.3	59.4
42.5°	259.0	227.9	192.5	118.9	82.1	65.1	56.6	55.2
45°	225.0	202.4	174.1	107.6	75.0	59.4	52.4	51.0
47.5°	202.4	182.6	155.7	96.2	69.4	55.2	48.1	46.7
50°	179.7	161.3	135.9	84.9	63.7	51.0	43.9	42.5
52.5°	157.1	138.7	116.1	75.0	56.6	46.7	39.6	38.2
55°	134.5	117.5	96.2	65.1	51.0	42.5	36.8	34.0
57.5°	110.4	96.2	82.1	58.0	45.3	38.2	32.6	29.7
60°	89.2	80.7	69.4	51.0	39.6	34.0	28.3	26.9
62.5°	72.2	65.1	58.0	43.9	35.4	29.7	25.5	21.2
65°	58.0	53.8	48.1	35.4	29.7	25.5	21.2	17.0
67.5°	45.3	42.5	38.2	29.7	24.1	21.2	15.6	12.7
70°	35.4	32.6	29.7	21.2	18.4	15.6	11.3	8.5
72.5°	25.5	22.6	21.2	15.6	12.7	11.3	7.1	4.2
75°	15.6	15.6	12.7	8.5	7.1	5.7	2.8	1.4
77.5°	8.5	8.5	7.1	4.2	4.2	1.4	0.0	0.0
80°	4.2	2.8	2.8	1.4	1.4	0.0	0.0	0.0
82.5°	1.4	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)