

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: P1307284

Luminaire Tested: P3SQAS20R709027D010 E3SQCLSWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307284
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R709027D010 E3SQCLSWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3SQCLSWW1MW TRIAC
Light Source: -
Ballast/Driver: -

Summary

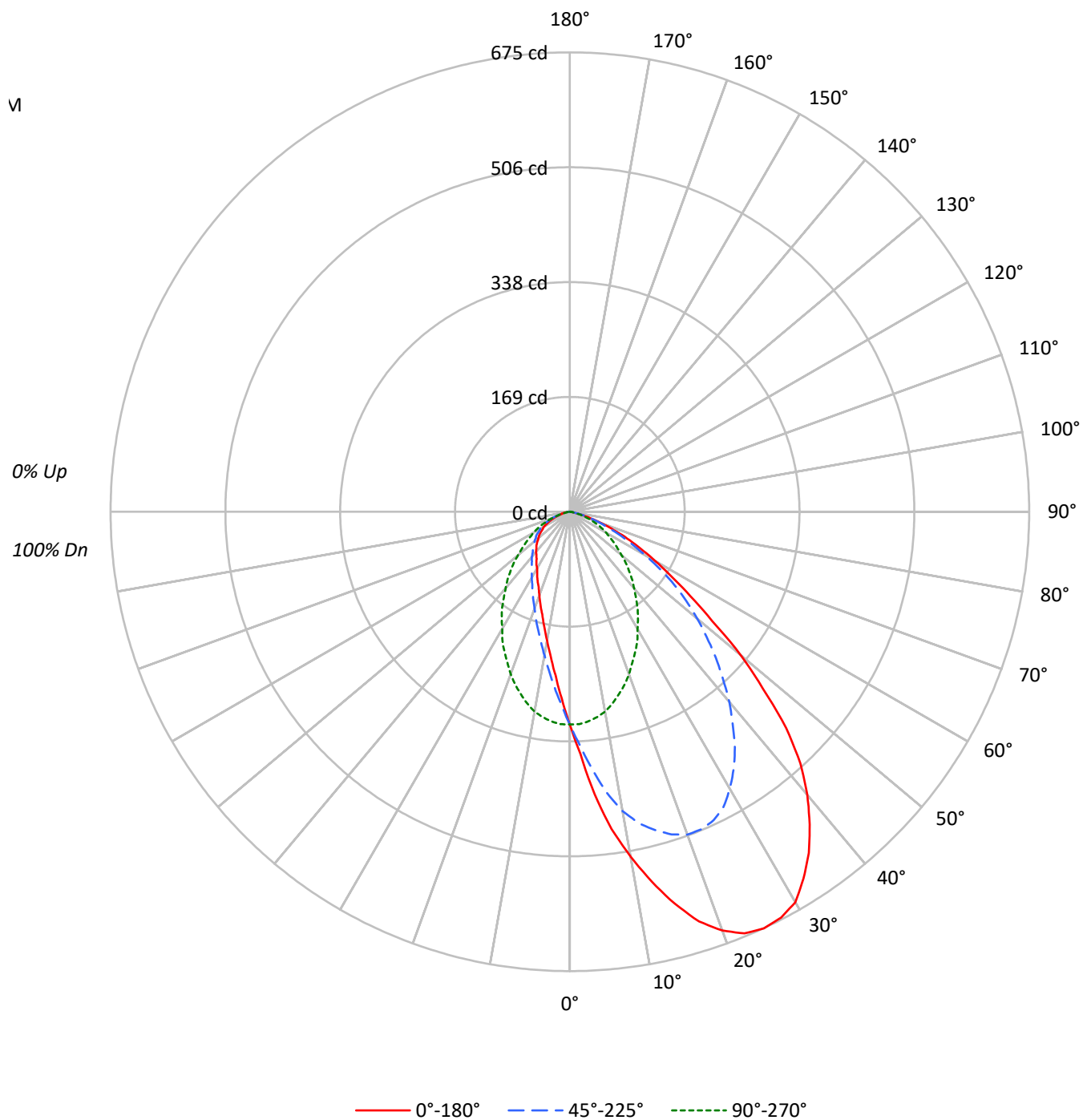
Lumens per Lamp: N/A
Luminaire Lumens: 763.0 lumens
Efficiency: N/A
Efficacy: 26.5 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1307284

CATALOG NUMBER: P3SQAS20R709027D010 E3SQCLSWW1MW

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
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88	88
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76	76
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	66	66
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	58	58
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	51	51
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40	40
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36	36
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	33	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	53802	53802	53802	53802	53802
5°	72005	65729	53455	44741	41733
10°	89941	78084	52149	37529	33664
15°	106337	86368	49513	32076	27850
20°	120009	92536	46552	27766	24009
25°	128325	95032	43174	24589	21283
30°	131788	93507	39534	22273	19131
35°	128712	88892	36499	20562	17913
40°	122010	81947	32981	19514	17379
45°	109529	73774	29982	18827	16903
50°	87935	65536	26632	18166	16076
55°	64916	56389	23691	18016	15644
60°	50013	44020	21183	17394	15224
65°	37940	32805	18664	16056	13489
70°	25429	23062	14301	14301	11128
75°	13641	13641	9449	9449	8384
80°	3174	6248	4661	6248	7835
85°	0	3162	3162	6323	6323

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 109529 cd/sqm

TEST NUMBER: P1307284

CATALOG NUMBER: P3SQAS20R709027D010 E3SQCLSWW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.8	4.0
10°-20°	93.6	12.3
20°-30°	144.3	18.9
30°-40°	163.8	21.5
40°-50°	148.2	19.4
50°-60°	103.7	13.6
60°-70°	57.0	7.5
70°-80°	19.0	2.5
80°-90°	2.5	0.3
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°	268.8	35.2
0°-40°	432.6	56.7
0°-60°	684.5	89.7
0°-90°	763.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	763.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	312	312	312	312	312	
5°	416	380	309	259	241	43
15°	596	484	278	180	156	170
25°	675	500	227	129	112	310
35°	612	423	174	98	85	381
45°	450	303	123	77	69	341
55°	216	188	79	60	52	199
65°	93	80	46	39	33	93
75°	20	20	14	14	13	24
85°	0	2	2	3	3	1
90°	0	0	0	0	0	

TEST NUMBER: P1307284

CATALOG NUMBER: P3SQAS20R709027D010 E3SQCLSWW1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	312.4	312.4	312.4	312.4	312.4	312.4	312.4	312.4	312.4	312.4	312.4
2.5°	356.6	359.7	361.3	358.1	356.6	355.0	351.8	350.3	347.1	343.9	342.4
5°	416.5	416.5	416.5	413.4	408.6	405.5	399.2	394.4	386.5	380.2	373.9
7.5°	470.2	470.2	468.6	463.9	460.7	452.8	444.9	438.6	426.0	416.5	403.9
10°	514.3	514.3	512.8	504.9	500.1	490.7	482.8	471.7	459.1	446.5	432.3
12.5°	556.9	556.9	550.6	544.3	534.9	522.2	511.2	500.1	482.8	468.6	451.2
15°	596.4	596.4	593.2	582.2	569.6	555.4	539.6	523.8	503.3	484.4	465.4
17.5°	631.1	629.5	624.8	612.2	599.5	582.2	563.3	544.3	519.1	497.0	473.3
20°	654.8	654.8	648.5	634.3	620.1	601.1	580.6	558.5	531.7	504.9	476.5
22.5°	670.5	669.0	662.7	648.5	631.1	612.2	588.5	564.8	534.9	504.9	474.9
25°	675.3	673.7	667.4	651.6	634.3	613.7	588.5	563.3	531.7	500.1	467.0
27.5°	672.1	670.5	664.2	646.9	629.5	605.9	580.6	553.8	522.2	489.1	456.0
30°	662.7	657.9	651.6	635.8	616.9	593.2	566.4	536.4	504.9	470.2	437.0
32.5°	639.0	639.0	631.1	615.3	596.4	571.1	544.3	515.9	481.2	448.1	413.4
35°	612.2	610.6	604.3	586.9	569.6	545.9	519.1	489.1	456.0	422.8	389.7
37.5°	579.0	577.5	571.1	555.4	536.4	514.3	485.9	457.5	426.0	392.9	362.9
40°	542.7	539.6	531.7	519.1	503.3	478.1	452.8	424.4	394.4	364.5	334.5
42.5°	501.7	498.6	492.3	482.8	463.9	441.8	418.1	391.3	362.9	332.9	310.8
45°	449.7	449.7	446.5	437.0	422.8	405.5	380.2	356.6	329.7	302.9	279.3
47.5°	385.0	388.1	386.5	381.8	375.5	359.7	342.4	321.9	296.6	272.9	250.9
50°	328.2	329.7	331.3	328.2	323.4	312.4	301.3	288.7	266.6	244.6	224.0
52.5°	263.5	268.2	268.2	269.8	269.8	266.6	263.5	249.3	238.2	216.2	197.2
55°	216.2	216.2	216.2	219.3	220.9	222.5	219.3	216.2	203.5	187.8	170.4
57.5°	176.7	176.7	179.9	178.3	178.3	181.4	181.4	179.9	172.0	157.8	142.0
60°	145.2	145.2	145.2	145.2	146.7	146.7	146.7	146.7	140.4	127.8	115.2
62.5°	116.8	116.8	116.8	118.3	118.3	118.3	119.9	118.3	112.0	102.6	91.5
65°	93.1	91.5	93.1	93.1	94.7	94.7	94.7	93.1	86.8	80.5	72.6
67.5°	69.4	71.0	71.0	71.0	72.6	74.2	72.6	71.0	66.3	60.0	56.8
70°	50.5	52.1	52.1	52.1	53.6	55.2	53.6	52.1	48.9	45.8	42.6
72.5°	33.1	34.7	34.7	36.3	37.9	37.9	36.3	36.3	34.7	31.6	30.0
75°	20.5	20.5	22.1	22.1	23.7	23.7	23.7	22.1	22.1	20.5	20.5
77.5°	9.5	9.5	11.0	11.0	11.0	12.6	12.6	12.6	12.6	12.6	11.0
80°	3.2	3.2	3.2	3.2	3.2	4.7	4.7	4.7	6.3	6.3	6.3
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2	3.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
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: P1307284

CATALOG NUMBER: P3SQAS20R709027D010 E3SQCLSWW1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	312.4	312.4	312.4	312.4	312.4	312.4	312.4	312.4
2.5°	339.2	334.5	328.2	312.4	296.6	284.0	276.1	274.5
5°	366.0	358.1	343.9	309.2	280.8	258.8	246.1	241.4
7.5°	392.9	378.7	358.1	304.5	261.9	235.1	220.9	214.6
10°	414.9	397.6	370.8	298.2	246.1	214.6	197.2	192.5
12.5°	432.3	411.8	378.7	288.7	230.4	195.6	178.3	173.6
15°	443.3	421.3	383.4	277.7	214.6	179.9	162.5	156.2
17.5°	448.1	421.3	381.8	266.6	200.4	165.7	148.3	143.6
20°	448.1	418.1	377.1	254.0	186.2	151.5	135.7	131.0
22.5°	443.3	411.8	366.0	239.8	173.6	140.4	124.6	119.9
25°	433.9	399.2	353.4	227.2	160.9	129.4	115.2	112.0
27.5°	419.7	385.0	337.6	214.6	149.9	119.9	107.3	104.1
30°	402.3	367.6	320.3	198.8	138.8	112.0	101.0	96.2
32.5°	380.2	347.1	301.3	186.2	129.4	104.1	94.7	91.5
35°	356.6	326.6	280.8	173.6	119.9	97.8	88.4	85.2
37.5°	332.9	301.3	263.5	159.4	112.0	91.5	83.6	80.5
40°	307.7	284.0	244.6	146.7	105.7	86.8	78.9	77.3
42.5°	282.4	257.2	217.7	135.7	97.8	80.5	74.2	72.6
45°	252.4	228.8	197.2	123.1	91.5	77.3	71.0	69.4
47.5°	227.2	205.1	176.7	112.0	85.2	72.6	66.3	64.7
50°	203.5	181.4	154.6	99.4	78.9	67.8	63.1	60.0
52.5°	176.7	157.8	134.1	88.4	72.6	63.1	58.4	56.8
55°	153.0	134.1	112.0	78.9	66.3	60.0	53.6	52.1
57.5°	126.2	110.4	94.7	69.4	60.0	53.6	50.5	47.3
60°	102.6	91.5	80.5	61.5	53.6	50.5	45.8	44.2
62.5°	83.6	75.7	67.8	53.6	47.3	44.2	41.0	37.9
65°	66.3	61.5	55.2	45.8	41.0	39.4	36.3	33.1
67.5°	52.1	48.9	44.2	36.3	34.7	33.1	30.0	26.8
70°	39.4	37.9	34.7	28.4	26.8	28.4	25.2	22.1
72.5°	28.4	26.8	25.2	20.5	20.5	20.5	18.9	15.8
75°	18.9	17.4	15.8	14.2	14.2	14.2	14.2	12.6
77.5°	11.0	11.0	9.5	7.9	9.5	9.5	11.0	11.0
80°	4.7	4.7	4.7	4.7	6.3	6.3	7.9	7.9
82.5°	3.2	3.2	3.2	3.2	4.7	4.7	4.7	4.7
85°	1.6	1.6	1.6	1.6	1.6	3.2	3.2	3.2
87.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)