

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: P1307040

Luminaire Tested: P3SQAS17R259027DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307040
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R259027DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

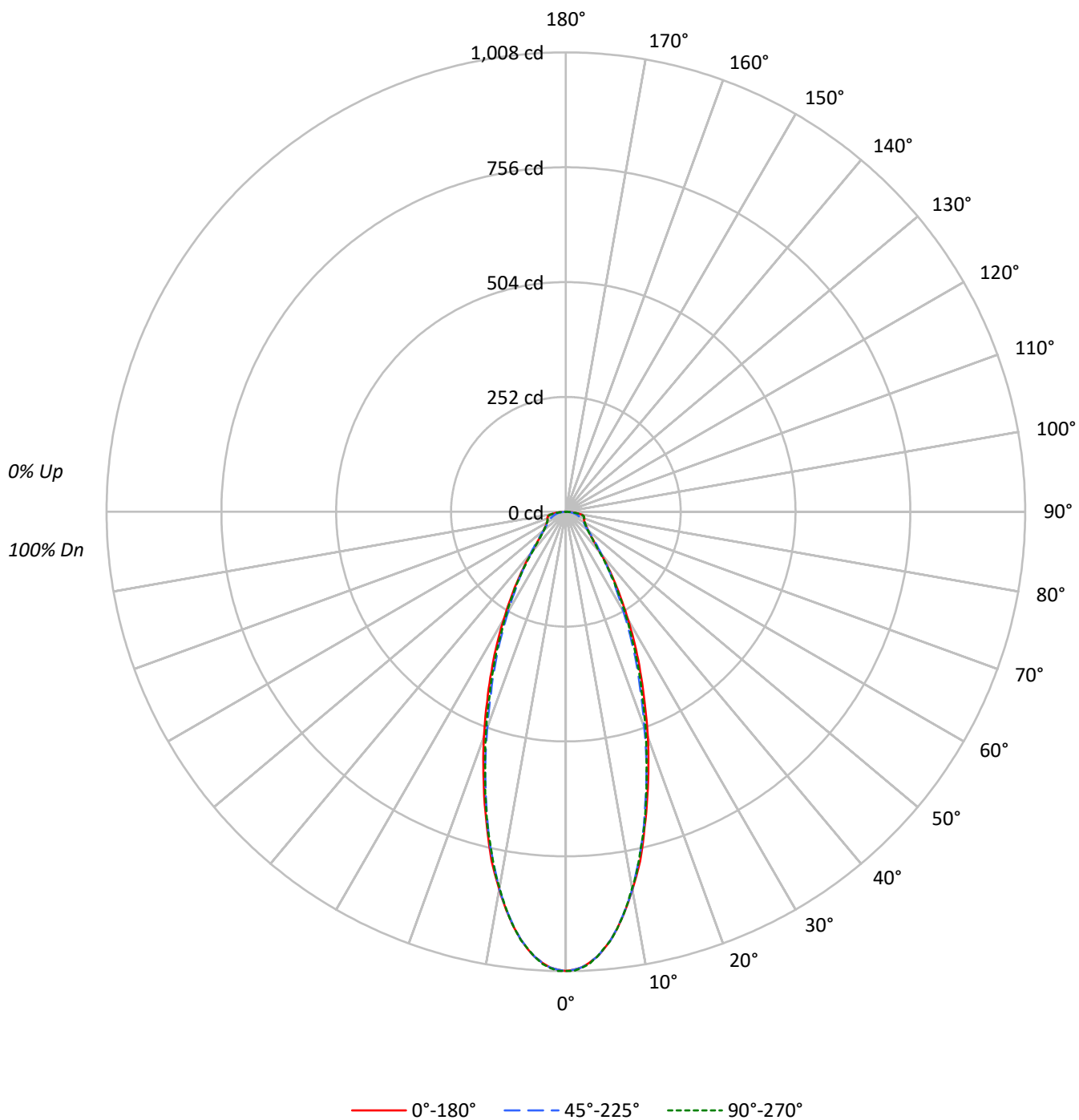
Lumens per Lamp: N/A
Luminaire Lumens: 761.0 lumens
Efficiency: N/A
Efficacy: 35.9 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	173532	173532	173532
5°	166501	166294	166294
10°	147196	146986	146566
15°	121564	119834	120494
20°	96311	92334	93874
25°	73350	69455	71298
30°	54032	50214	52361
35°	38685	36919	37424
40°	26484	27023	25675
45°	19631	20800	19339
50°	17067	17067	16746
55°	16244	15523	16244
60°	16568	15328	16568
65°	18134	15689	18134
70°	21804	15761	21199
75°	27216	16835	27216
80°	34613	17852	32233
85°	28455	16599	28455

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 34613 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.9	11.6
10°-20°	186.8	24.6
20°-30°	171.2	22.5
30°-40°	112.9	14.8
40°-50°	65.7	8.6
50°-60°	48.0	6.3
60°-70°	40.8	5.4
70°-80°	33.8	4.4
80°-90°	13.9	1.8
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°	446.0	58.6
0°-40°	558.9	73.4
0°-60°	672.6	88.4
0°-90°	761.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	761.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1008	1008	1008	1008	1008	
5°	963	962	962	963	962	88
15°	682	679	672	675	676	189
25°	386	375	366	367	375	177
35°	184	180	176	176	178	116
45°	81	83	85	81	79	65
55°	54	54	52	53	54	49
65°	44	41	38	41	44	44
75°	41	31	25	31	41	43
85°	14	16	8	16	14	16
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1007.6	1007.6	1007.6	1007.6	1007.6
1°	1005.2	1005.2	1005.2	1005.2	1007.6
2°	1000.4	999.2	1000.4	1000.4	1001.6
3°	990.8	990.8	990.8	990.8	993.2
4°	978.8	978.8	978.8	978.8	978.8
5°	963.1	961.9	961.9	963.1	961.9
6°	943.9	943.9	943.9	943.9	945.1
7°	922.2	921.0	921.0	919.8	922.2
8°	897.0	897.0	895.8	894.6	897.0
9°	870.5	871.7	869.3	868.1	868.1
10°	841.7	840.5	840.5	840.5	838.1
11°	812.8	809.2	808.0	808.0	810.4
12°	784.0	778.0	775.6	775.6	775.6
13°	749.1	746.7	743.1	740.7	741.9
14°	714.2	714.2	708.2	708.2	710.6
15°	681.8	679.4	672.1	674.6	675.8
17.5°	601.2	596.4	588.0	588.0	589.2
20°	525.5	517.0	503.8	509.8	512.2
22.5°	450.9	442.5	429.3	435.3	437.7
25°	386.0	375.2	365.5	366.7	375.2
27.5°	327.1	315.0	305.4	309.0	313.8
30°	271.7	264.5	252.5	258.5	263.3
32.5°	224.9	218.8	210.4	214.0	218.8
35°	184.0	180.4	175.6	175.6	178.0
37.5°	149.1	147.9	145.5	144.3	143.1
40°	117.8	120.2	120.2	117.8	114.2
42.5°	96.2	98.6	101.0	96.2	92.6
45°	80.6	83.0	85.4	80.6	79.4
47.5°	70.9	72.1	73.3	70.9	69.7
50°	63.7	63.7	63.7	62.5	62.5
52.5°	58.9	57.7	56.5	57.7	57.7
55°	54.1	54.1	51.7	52.9	54.1
57.5°	50.5	49.3	48.1	49.3	50.5
60°	48.1	45.7	44.5	45.7	48.1
62.5°	45.7	43.3	40.9	43.3	45.7
65°	44.5	40.9	38.5	40.9	44.5
67.5°	43.3	38.5	34.9	38.5	43.3
70°	43.3	36.1	31.3	36.1	42.1
72.5°	42.1	33.7	28.9	33.7	42.1
75°	40.9	31.3	25.3	31.3	40.9
77.5°	39.7	28.9	21.6	28.9	38.5
80°	34.9	26.5	18.0	26.5	32.5
82.5°	25.3	21.6	14.4	21.6	24.0
85°	14.4	15.6	8.4	15.6	14.4
87.5°	2.4	3.6	2.4	6.0	4.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)