

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: P1313517

Luminaire Tested: P3SQAS17R159730DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313517
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R159730DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

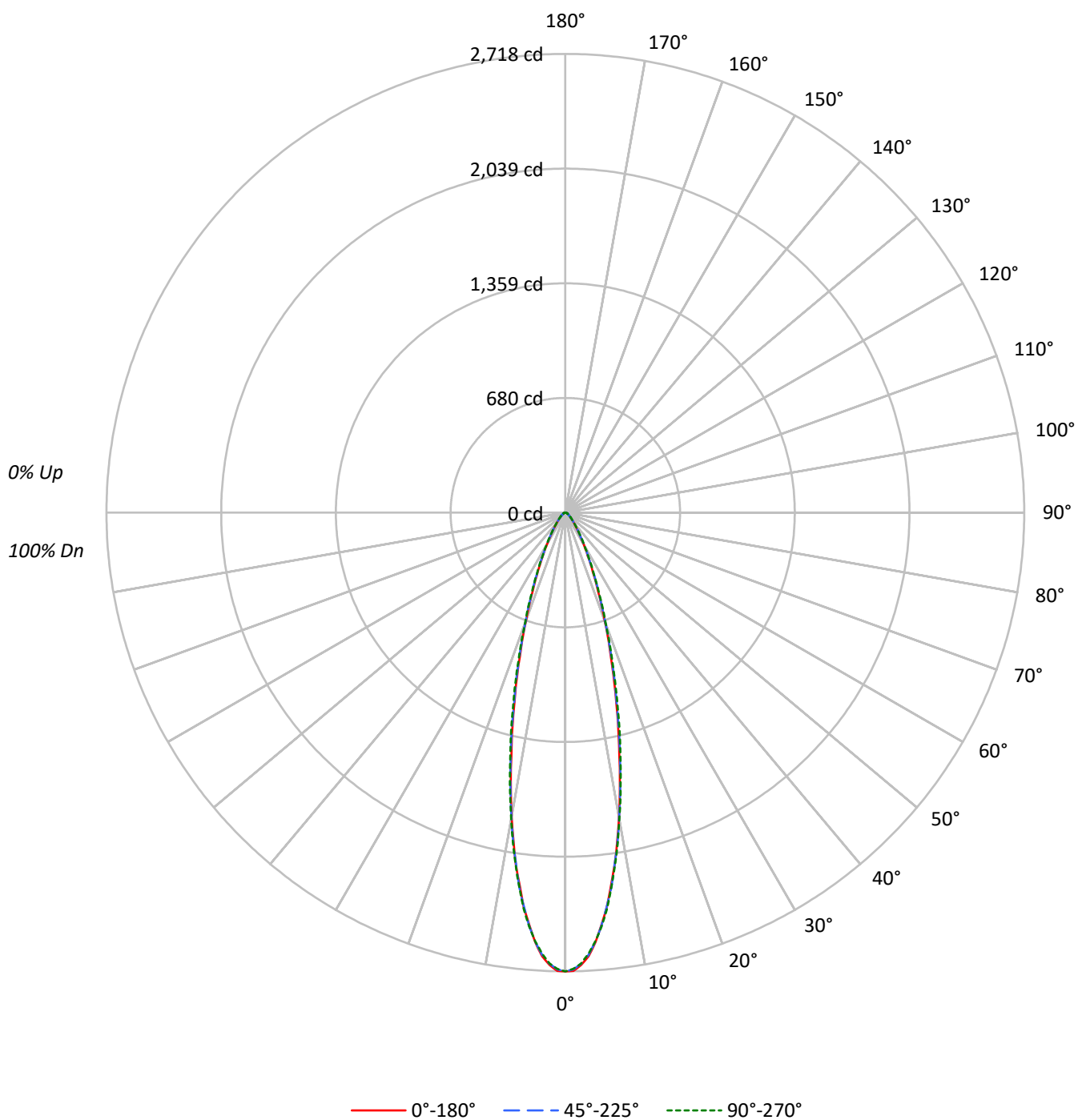
Lumens per Lamp: N/A
Luminaire Lumens: 899.0 lumens
Efficiency: N/A
Efficacy: 42.4 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		97	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86
5	96	88	83	79	94	87	83	79	86	82	78		84	80	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	80	75	71	79	74	71		77	74	71		76
8	85	77	72	68	84	76	72	68	75	71	68		74	70	68		74
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71
10	79	71	66	63	78	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	468187	468187	468187
5°	424076	424871	425476
10°	320169	320974	322600
15°	207664	209928	214047
20°	125031	126515	128201
25°	73046	74585	75688
30°	42935	44307	45003
35°	26449	27416	27921
40°	17379	17918	18166
45°	12081	12373	12641
50°	8976	9270	9592
55°	7266	7627	7627
60°	6372	6372	6372
65°	5664	5664	5664
70°	4633	5237	5237
75°	4591	4591	4591
80°	3471	4562	4562
85°	2371	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 12641 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.1	23.8
10°-20°	327.4	36.4
20°-30°	186.1	20.7
30°-40°	84.9	9.4
40°-50°	40.7	4.5
50°-60°	22.8	2.5
60°-70°	13.9	1.6
70°-80°	7.4	0.8
80°-90°	1.6	0.2
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°	727.7	80.9
0°-40°	812.6	90.4
0°-60°	876.1	97.4
0°-90°	899.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	899.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2718	2718	2718	2718	2718	
5°	2453	2452	2458	2458	2461	214
15°	1165	1170	1177	1194	1200	323
25°	384	384	392	396	398	182
35°	126	128	130	133	133	83
45°	50	50	51	52	52	40
55°	24	24	25	25	25	22
65°	14	14	14	14	14	14
75°	7	7	7	7	7	7
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2718.5	2718.5	2718.5	2718.5	2718.5
1°	2716.2	2709.3	2707.0	2705.8	2703.5
2°	2681.6	2675.8	2674.7	2674.7	2673.5
3°	2633.1	2622.7	2623.9	2620.4	2616.9
4°	2551.1	2546.5	2548.8	2551.1	2546.5
5°	2453.0	2451.9	2457.6	2457.6	2461.1
6°	2351.4	2350.3	2346.8	2356.0	2360.7
7°	2222.1	2229.1	2238.3	2233.7	2237.1
8°	2104.4	2096.3	2099.8	2111.3	2112.5
9°	1965.9	1960.1	1975.1	1979.7	1980.9
10°	1830.8	1836.6	1835.4	1851.6	1844.7
12.5°	1478.7	1488.0	1498.4	1505.3	1512.2
15°	1164.7	1170.5	1177.4	1193.6	1200.5
17.5°	895.8	902.7	909.6	923.5	925.8
20°	682.2	685.7	690.3	703.0	699.5
22.5°	510.2	516.0	520.6	526.4	529.9
25°	384.4	384.4	392.5	395.9	398.3
27.5°	286.3	288.6	294.4	299.0	297.8
30°	215.9	219.3	222.8	225.1	226.3
32.5°	166.2	166.2	169.7	173.2	174.3
35°	125.8	128.1	130.4	132.8	132.8
37.5°	98.1	99.3	101.6	102.7	102.7
40°	77.3	77.3	79.7	80.8	80.8
42.5°	61.2	62.3	63.5	64.6	64.6
45°	49.6	49.6	50.8	51.9	51.9
47.5°	40.4	40.4	41.6	42.7	42.7
50°	33.5	34.6	34.6	35.8	35.8
52.5°	28.9	28.9	28.9	30.0	30.0
55°	24.2	24.2	25.4	25.4	25.4
57.5°	20.8	20.8	20.8	21.9	21.9
60°	18.5	18.5	18.5	18.5	18.5
62.5°	16.2	16.2	16.2	16.2	16.2
65°	13.9	13.9	13.9	13.9	13.9
67.5°	11.5	11.5	11.5	12.7	12.7
70°	9.2	10.4	10.4	10.4	10.4
72.5°	8.1	8.1	8.1	8.1	8.1
75°	6.9	6.9	6.9	6.9	6.9
77.5°	5.8	5.8	5.8	5.8	5.8
80°	3.5	4.6	4.6	4.6	4.6
82.5°	2.3	2.3	2.3	2.3	2.3
85°	1.2	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)