

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: P1312545

Luminaire Tested: P3SQAS17R159727DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312545
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: P3SQAS17R159727DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

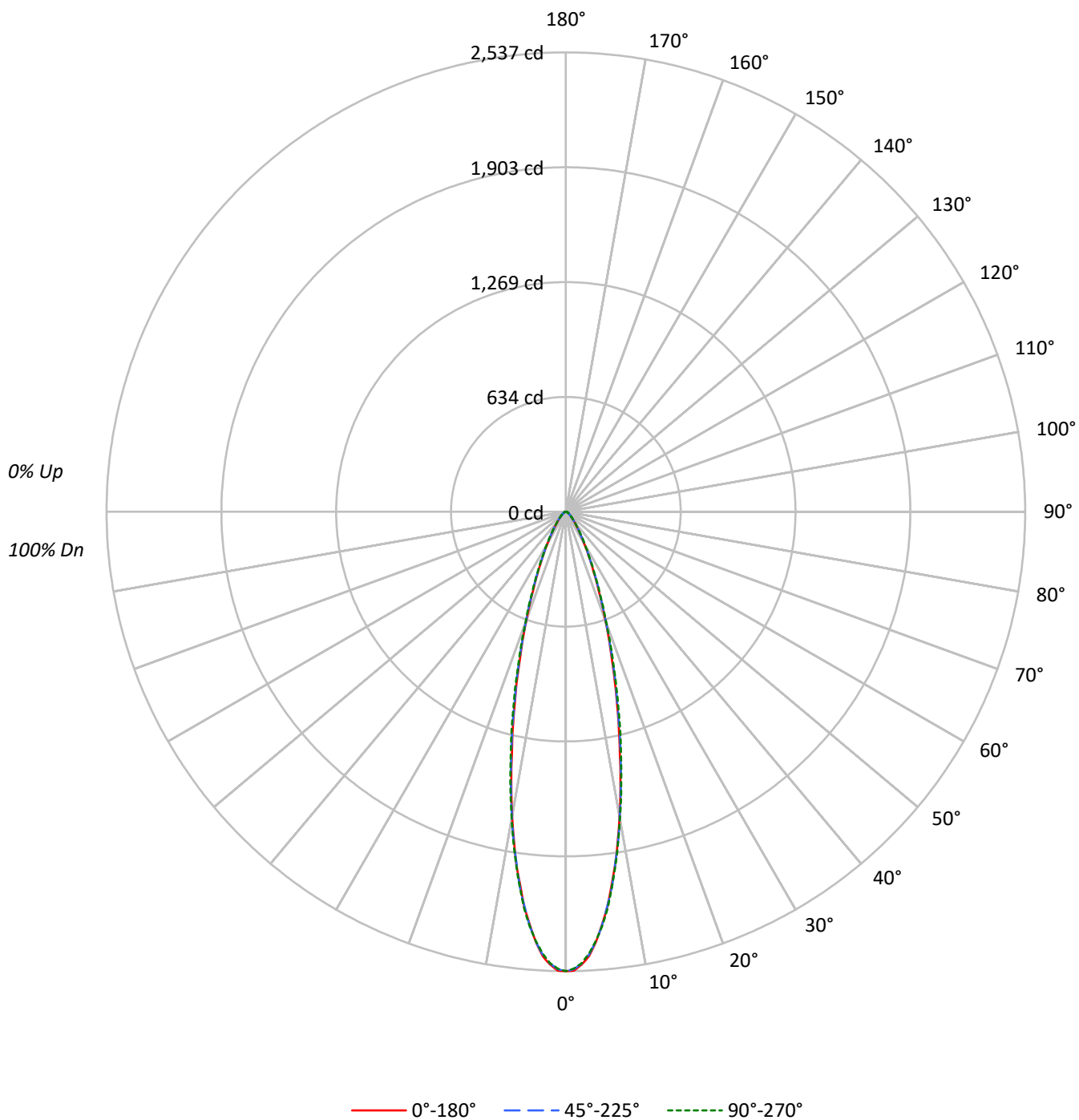
Lumens per Lamp: N/A
Luminaire Lumens: 839.0 lumens
Efficiency: N/A
Efficacy: 39.6 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	436946	436946	436946
5°	395775	396519	397072
10°	298799	299551	301072
15°	193810	195932	199765
20°	116692	118066	119661
25°	68163	69607	70633
30°	40071	41344	42000
35°	24683	25587	26049
40°	16232	16704	16951
45°	11277	11545	11813
50°	8359	8654	8949
55°	6786	7116	7116
60°	5924	5924	5924
65°	5257	5257	5257
70°	4330	4884	4884
75°	4325	4325	4325
80°	3174	4265	4265
85°	2174	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 11813 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.8	23.8
10°-20°	305.6	36.4
20°-30°	173.7	20.7
30°-40°	79.2	9.4
40°-50°	38.0	4.5
50°-60°	21.2	2.5
60°-70°	13.0	1.5
70°-80°	6.9	0.8
80°-90°	1.5	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°	679.1	80.9
0°-40°	758.3	90.4
0°-60°	817.6	97.4
0°-90°	839.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	839.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2537	2537	2537	2537	2537	
5°	2289	2288	2294	2294	2297	200
15°	1087	1092	1099	1114	1120	302
25°	359	359	366	370	372	170
35°	117	120	122	124	124	77
45°	46	46	47	48	48	37
55°	23	23	24	24	24	21
65°	13	13	13	13	13	13
75°	6	6	6	6	6	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°	2537.1	2537.1	2537.1	2537.1	2537.1
1°	2534.9	2528.5	2526.3	2525.2	2523.1
2°	2502.6	2497.2	2496.1	2496.1	2495.1
3°	2457.4	2447.7	2448.7	2445.5	2442.3
4°	2380.9	2376.6	2378.7	2380.9	2376.6
5°	2289.3	2288.2	2293.6	2293.6	2296.8
6°	2194.5	2193.4	2190.2	2198.8	2203.1
7°	2073.8	2080.3	2088.9	2084.6	2087.8
8°	1963.9	1956.4	1959.6	1970.4	1971.5
9°	1834.7	1829.3	1843.3	1847.6	1848.7
10°	1708.6	1714.0	1712.9	1728.0	1721.6
12.5°	1380.0	1388.7	1398.4	1404.8	1411.3
15°	1087.0	1092.4	1098.9	1113.9	1120.4
17.5°	836.0	842.5	848.9	861.9	864.0
20°	636.7	639.9	644.2	656.1	652.9
22.5°	476.2	481.6	485.9	491.3	494.5
25°	358.7	358.7	366.3	369.5	371.7
27.5°	267.2	269.3	274.7	279.0	277.9
30°	201.5	204.7	207.9	210.1	211.2
32.5°	155.1	155.1	158.4	161.6	162.7
35°	117.4	119.6	121.7	123.9	123.9
37.5°	91.6	92.6	94.8	95.9	95.9
40°	72.2	72.2	74.3	75.4	75.4
42.5°	57.1	58.2	59.3	60.3	60.3
45°	46.3	46.3	47.4	48.5	48.5
47.5°	37.7	37.7	38.8	39.9	39.9
50°	31.2	32.3	32.3	33.4	33.4
52.5°	26.9	26.9	26.9	28.0	28.0
55°	22.6	22.6	23.7	23.7	23.7
57.5°	19.4	19.4	19.4	20.5	20.5
60°	17.2	17.2	17.2	17.2	17.2
62.5°	15.1	15.1	15.1	15.1	15.1
65°	12.9	12.9	12.9	12.9	12.9
67.5°	10.8	10.8	10.8	11.9	11.9
70°	8.6	9.7	9.7	9.7	9.7
72.5°	7.5	7.5	7.5	7.5	7.5
75°	6.5	6.5	6.5	6.5	6.5
77.5°	5.4	5.4	5.4	5.4	5.4
80°	3.2	4.3	4.3	4.3	4.3
82.5°	2.2	2.2	2.2	2.2	2.2
85°	1.1	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)