

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: P1306850

Luminaire Tested: P3SQAS13R159027DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306850
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: P3SQAS13R159027DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

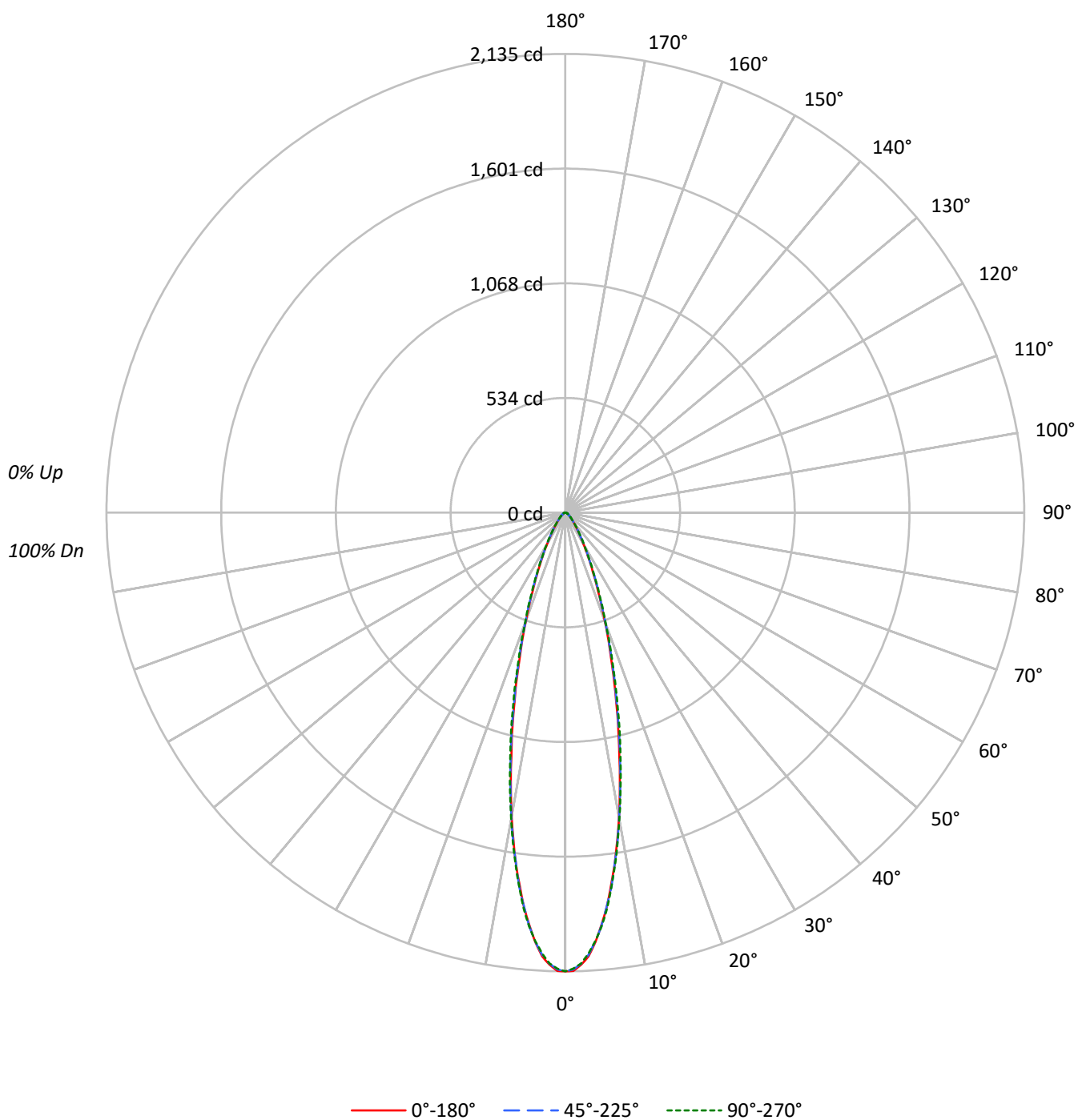
Lumens per Lamp: N/A
Luminaire Lumens: 706.0 lumens
Efficiency: N/A
Efficacy: 48.4 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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°	367678	367678	367678
5°	333037	333659	334126
10°	251442	252071	253330
15°	163089	164872	168099
20°	98199	99354	100692
25°	57369	58566	59440
30°	33708	34801	35338
35°	20772	21529	21929
40°	13647	14074	14276
45°	9499	9718	9937
50°	7047	7288	7529
55°	5705	5975	5975
60°	4994	4994	4994
65°	4442	4442	4442
70°	3676	4129	4129
75°	3593	3593	3593
80°	2678	3570	3570
85°	1778	1778	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 9937 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.2	23.8
10°-20°	257.1	36.4
20°-30°	146.1	20.7
30°-40°	66.7	9.4
40°-50°	32.0	4.5
50°-60°	17.9	2.5
60°-70°	11.0	1.6
70°-80°	5.8	0.8
80°-90°	1.2	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°	571.4	80.9
0°-40°	638.1	90.4
0°-60°	688.0	97.5
0°-90°	706.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	706.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2135	2135	2135	2135	2135	
5°	1926	1926	1930	1930	1933	168
15°	915	919	925	937	943	254
25°	302	302	308	311	313	143
35°	99	101	102	104	104	65
45°	39	39	40	41	41	31
55°	19	19	20	20	20	17
65°	11	11	11	11	11	11
75°	5	5	5	5	5	6
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°	2134.9	2134.9	2134.9	2134.9	2134.9
1°	2133.1	2127.6	2125.8	2124.9	2123.1
2°	2105.9	2101.4	2100.4	2100.4	2099.5
3°	2067.8	2059.7	2060.6	2057.8	2055.1
4°	2003.4	1999.8	2001.6	2003.4	1999.8
5°	1926.4	1925.5	1930.0	1930.0	1932.7
6°	1846.6	1845.7	1843.0	1850.2	1853.9
7°	1745.1	1750.5	1757.8	1754.2	1756.9
8°	1652.6	1646.3	1649.0	1658.1	1659.0
9°	1543.8	1539.3	1551.1	1554.7	1555.6
10°	1437.8	1442.3	1441.4	1454.1	1448.6
12.5°	1161.3	1168.5	1176.7	1182.1	1187.6
15°	914.7	919.2	924.7	937.4	942.8
17.5°	703.5	708.9	714.4	725.2	727.0
20°	535.8	538.5	542.1	552.1	549.4
22.5°	400.7	405.2	408.8	413.4	416.1
25°	301.9	301.9	308.2	310.9	312.8
27.5°	224.8	226.6	231.2	234.8	233.9
30°	169.5	172.2	175.0	176.8	177.7
32.5°	130.5	130.5	133.3	136.0	136.9
35°	98.8	100.6	102.4	104.3	104.3
37.5°	77.1	78.0	79.8	80.7	80.7
40°	60.7	60.7	62.6	63.5	63.5
42.5°	48.0	49.0	49.9	50.8	50.8
45°	39.0	39.0	39.9	40.8	40.8
47.5°	31.7	31.7	32.6	33.5	33.5
50°	26.3	27.2	27.2	28.1	28.1
52.5°	22.7	22.7	22.7	23.6	23.6
55°	19.0	19.0	19.9	19.9	19.9
57.5°	16.3	16.3	16.3	17.2	17.2
60°	14.5	14.5	14.5	14.5	14.5
62.5°	12.7	12.7	12.7	12.7	12.7
65°	10.9	10.9	10.9	10.9	10.9
67.5°	9.1	9.1	9.1	10.0	10.0
70°	7.3	8.2	8.2	8.2	8.2
72.5°	6.3	6.3	6.3	6.3	6.3
75°	5.4	5.4	5.4	5.4	5.4
77.5°	4.5	4.5	4.5	4.5	4.5
80°	2.7	3.6	3.6	3.6	3.6
82.5°	1.8	1.8	1.8	1.8	1.8
85°	0.9	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)