

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: P1313371

Luminaire Tested: P3SQAS13R159730DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313371
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: P3SQAS13R159730DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

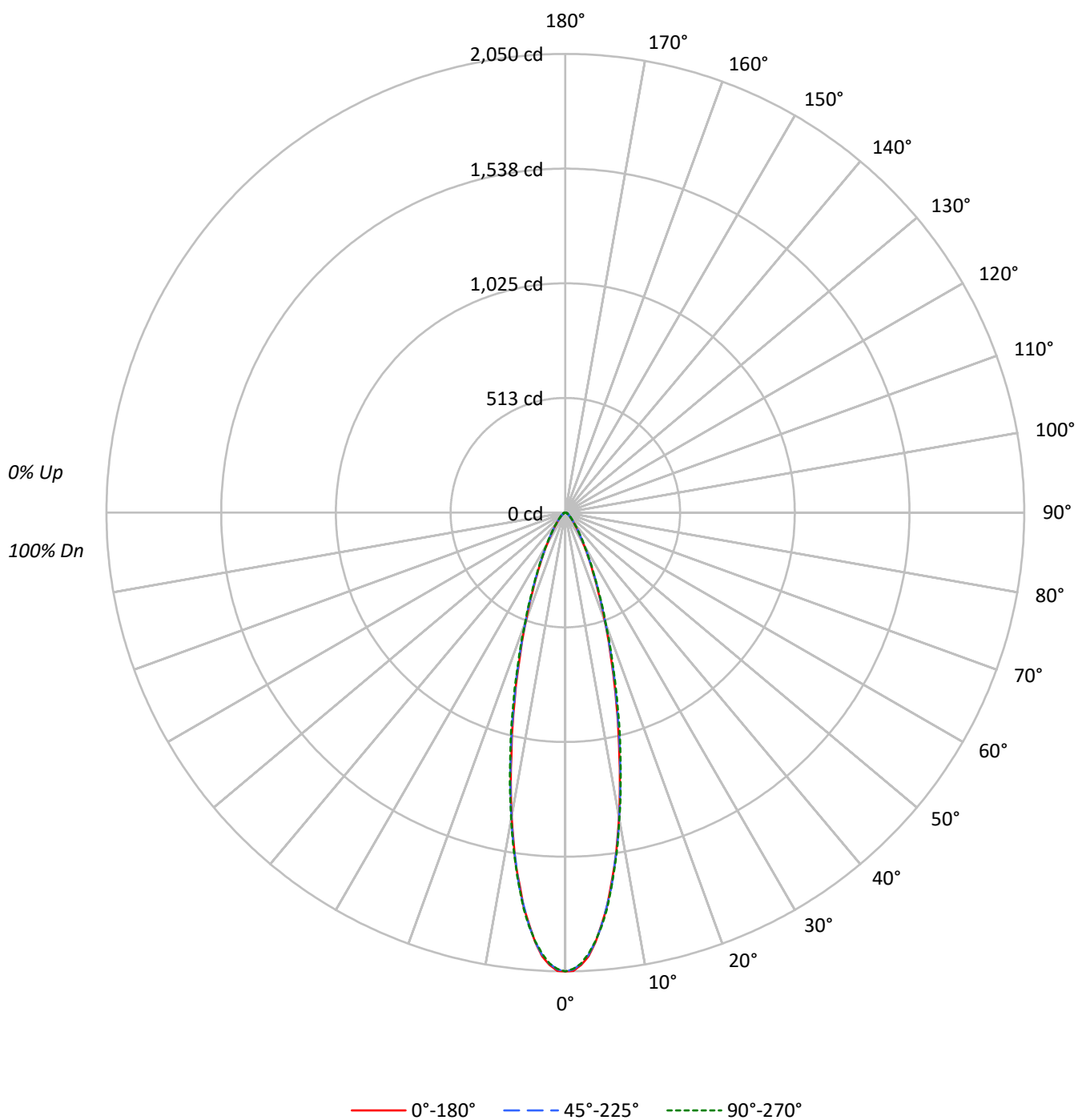
Lumens per Lamp: N/A
Luminaire Lumens: 678.0 lumens
Efficiency: N/A
Efficacy: 46.4 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	353091	353091	353091
5°	319829	320434	320884
10°	241456	242068	243292
15°	156617	158329	161431
20°	94295	95413	96696
25°	55089	56248	57084
30°	32375	33409	33926
35°	19952	20688	21046
40°	13107	13512	13692
45°	9109	9328	9548
50°	6752	6993	7234
55°	5495	5765	5765
60°	4788	4788	4788
65°	4238	4238	4238
70°	3525	3928	3928
75°	3460	3460	3460
80°	2579	3471	3471
85°	1778	1778	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 9548 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.5	23.8
10°-20°	246.9	36.4
20°-30°	140.3	20.7
30°-40°	64.0	9.4
40°-50°	30.7	4.5
50°-60°	17.2	2.5
60°-70°	10.5	1.5
70°-80°	5.6	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°	548.8	80.9
0°-40°	612.8	90.4
0°-60°	660.7	97.4
0°-90°	678.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	678.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2050	2050	2050	2050	2050	
5°	1850	1849	1854	1854	1856	161
15°	878	883	888	900	905	244
25°	290	290	296	299	300	138
35°	95	97	98	100	100	62
45°	37	37	38	39	39	30
55°	18	18	19	19	19	17
65°	10	10	10	10	10	10
75°	5	5	5	5	5	5
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°	2050.2	2050.2	2050.2	2050.2	2050.2
1°	2048.5	2043.3	2041.5	2040.7	2038.9
2°	2022.4	2018.0	2017.1	2017.1	2016.3
3°	1985.8	1978.0	1978.8	1976.2	1973.6
4°	1924.0	1920.5	1922.3	1924.0	1920.5
5°	1850.0	1849.1	1853.5	1853.5	1856.1
6°	1773.4	1772.5	1769.9	1776.9	1780.3
7°	1675.9	1681.1	1688.1	1684.6	1687.2
8°	1587.1	1581.0	1583.6	1592.3	1593.2
9°	1482.6	1478.3	1489.6	1493.1	1493.9
10°	1380.7	1385.1	1384.2	1396.4	1391.2
12.5°	1115.2	1122.2	1130.0	1135.2	1140.5
15°	878.4	882.8	888.0	900.2	905.4
17.5°	675.6	680.8	686.0	696.5	698.2
20°	514.5	517.1	520.6	530.2	527.6
22.5°	384.8	389.2	392.6	397.0	399.6
25°	289.9	289.9	296.0	298.6	300.4
27.5°	215.9	217.6	222.0	225.5	224.6
30°	162.8	165.4	168.0	169.8	170.6
32.5°	125.4	125.4	128.0	130.6	131.5
35°	94.9	96.6	98.4	100.1	100.1
37.5°	74.0	74.9	76.6	77.5	77.5
40°	58.3	58.3	60.1	60.9	60.9
42.5°	46.1	47.0	47.9	48.8	48.8
45°	37.4	37.4	38.3	39.2	39.2
47.5°	30.5	30.5	31.3	32.2	32.2
50°	25.2	26.1	26.1	27.0	27.0
52.5°	21.8	21.8	21.8	22.6	22.6
55°	18.3	18.3	19.2	19.2	19.2
57.5°	15.7	15.7	15.7	16.5	16.5
60°	13.9	13.9	13.9	13.9	13.9
62.5°	12.2	12.2	12.2	12.2	12.2
65°	10.4	10.4	10.4	10.4	10.4
67.5°	8.7	8.7	8.7	9.6	9.6
70°	7.0	7.8	7.8	7.8	7.8
72.5°	6.1	6.1	6.1	6.1	6.1
75°	5.2	5.2	5.2	5.2	5.2
77.5°	4.4	4.4	4.4	4.4	4.4
80°	2.6	3.5	3.5	3.5	3.5
82.5°	1.7	1.7	1.7	1.7	1.7
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)