

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: P1306864

Luminaire Tested: P3SQAS13R209027DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306864
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R209027DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

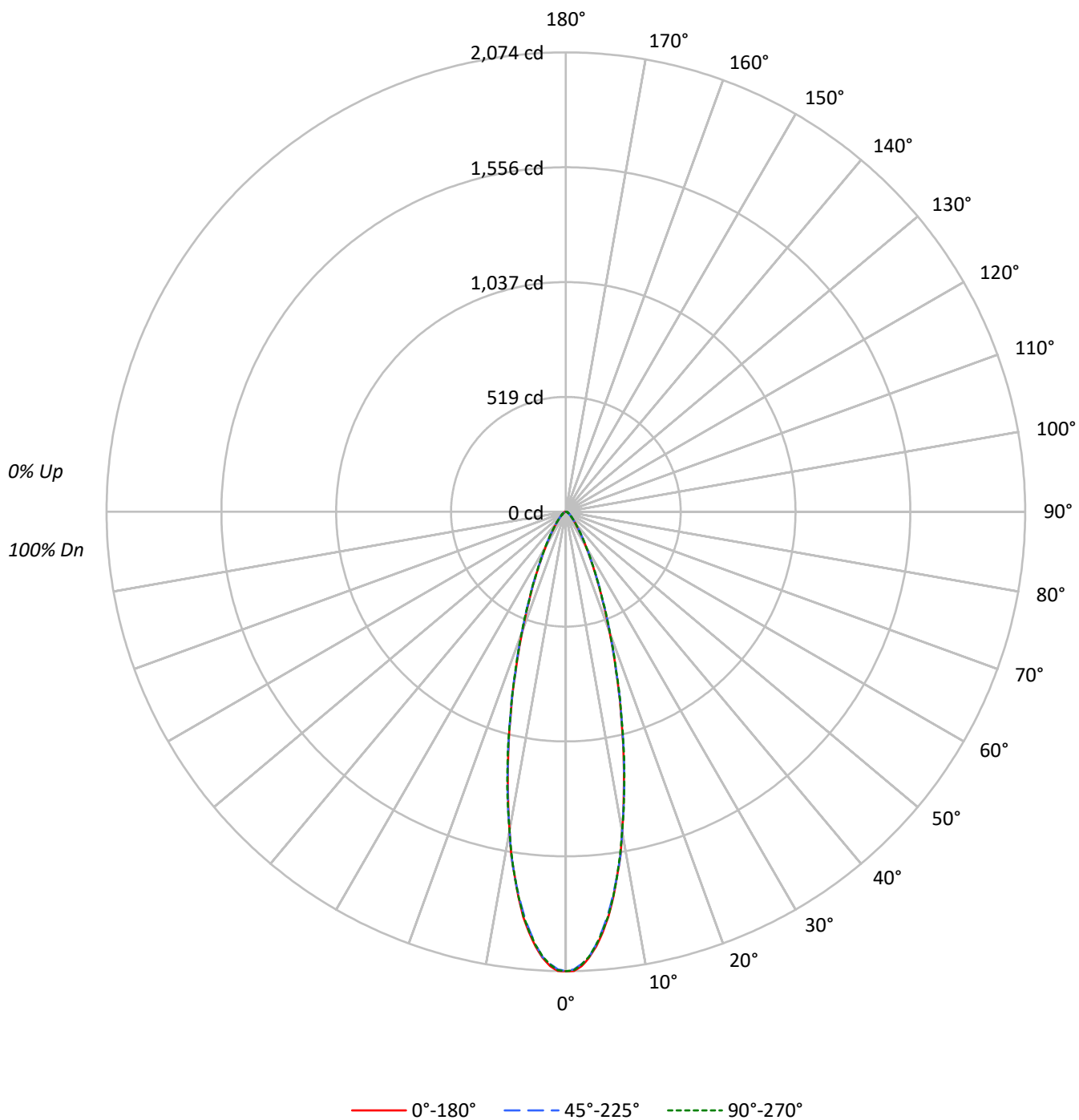
Lumens per Lamp: N/A
Luminaire Lumens: 729.0 lumens
Efficiency: N/A
Efficacy: 49.9 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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		96	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	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	357259	357259	357259
5°	329597	327712	328801
10°	255761	256093	256093
15°	172878	173680	173680
20°	104980	106318	106813
25°	61588	62443	62272
30°	35935	36651	36830
35°	21950	22517	22517
40°	14276	14501	14703
45°	9962	10181	10400
50°	7288	7529	7529
55°	5735	6005	6005
60°	4994	4994	5304
65°	4442	4442	4809
70°	4129	4129	4129
75°	3593	3593	3593
80°	2678	2678	3570
85°	1778	1778	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 10400 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.3	22.9
10°-20°	267.9	36.7
20°-30°	155.1	21.3
30°-40°	69.6	9.5
40°-50°	33.0	4.5
50°-60°	18.1	2.5
60°-70°	11.0	1.5
70°-80°	5.9	0.8
80°-90°	1.3	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°	590.3	81.0
0°-40°	659.8	90.5
0°-60°	710.9	97.5
0°-90°	729.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	729.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2074	2074	2074	2074	2074	
5°	1906	1900	1896	1899	1902	168
15°	970	970	974	970	974	267
25°	324	324	329	326	328	154
35°	104	105	107	108	107	68
45°	41	41	42	42	43	32
55°	19	19	20	20	20	18
65°	11	11	11	11	12	11
75°	5	5	5	5	5	6
85°	1	1	1	1	2	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2074.4	2074.4	2074.4	2074.4	2074.4
1°	2073.5	2068.1	2066.3	2064.4	2069.9
2°	2052.6	2046.3	2042.6	2044.5	2045.4
3°	2015.4	2011.8	2011.8	2009.1	2010.9
4°	1967.3	1960.0	1960.0	1960.9	1960.9
5°	1906.5	1900.1	1895.6	1899.2	1901.9
6°	1838.4	1830.2	1826.6	1827.5	1833.8
7°	1754.9	1744.0	1745.8	1750.3	1750.3
8°	1660.4	1659.5	1661.4	1659.5	1661.4
9°	1573.3	1560.6	1571.5	1562.4	1566.9
10°	1462.5	1461.6	1464.4	1467.1	1464.4
12.5°	1210.2	1214.7	1216.5	1212.9	1221.0
15°	969.6	969.6	974.1	969.6	974.1
17.5°	754.4	753.5	757.1	753.5	759.0
20°	572.8	579.2	580.1	580.1	582.8
22.5°	432.1	432.1	435.8	436.7	434.9
25°	324.1	324.1	328.6	325.9	327.7
27.5°	239.7	241.5	245.1	246.9	246.9
30°	180.7	181.6	184.3	185.2	185.2
32.5°	136.2	138.0	139.8	140.7	141.6
35°	104.4	105.3	107.1	108.0	107.1
37.5°	79.9	80.8	82.6	83.5	83.5
40°	63.5	63.5	64.5	65.4	65.4
42.5°	49.9	50.8	50.8	51.7	51.7
45°	40.9	40.9	41.8	41.8	42.7
47.5°	32.7	32.7	33.6	34.5	34.5
50°	27.2	27.2	28.1	28.1	28.1
52.5°	22.7	22.7	23.6	23.6	23.6
55°	19.1	19.1	20.0	20.0	20.0
57.5°	16.3	16.3	17.2	17.2	17.2
60°	14.5	14.5	14.5	14.5	15.4
62.5°	12.7	12.7	12.7	12.7	12.7
65°	10.9	10.9	10.9	10.9	11.8
67.5°	9.1	9.1	9.1	9.1	10.0
70°	8.2	8.2	8.2	8.2	8.2
72.5°	6.4	6.4	6.4	7.3	7.3
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	2.7	2.7	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	1.8
87.5°	0.0	0.0	0.0	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)