

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: P1307968

Luminaire Tested: P3SQAS13R159030DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307968
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: P3SQAS13R159030DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

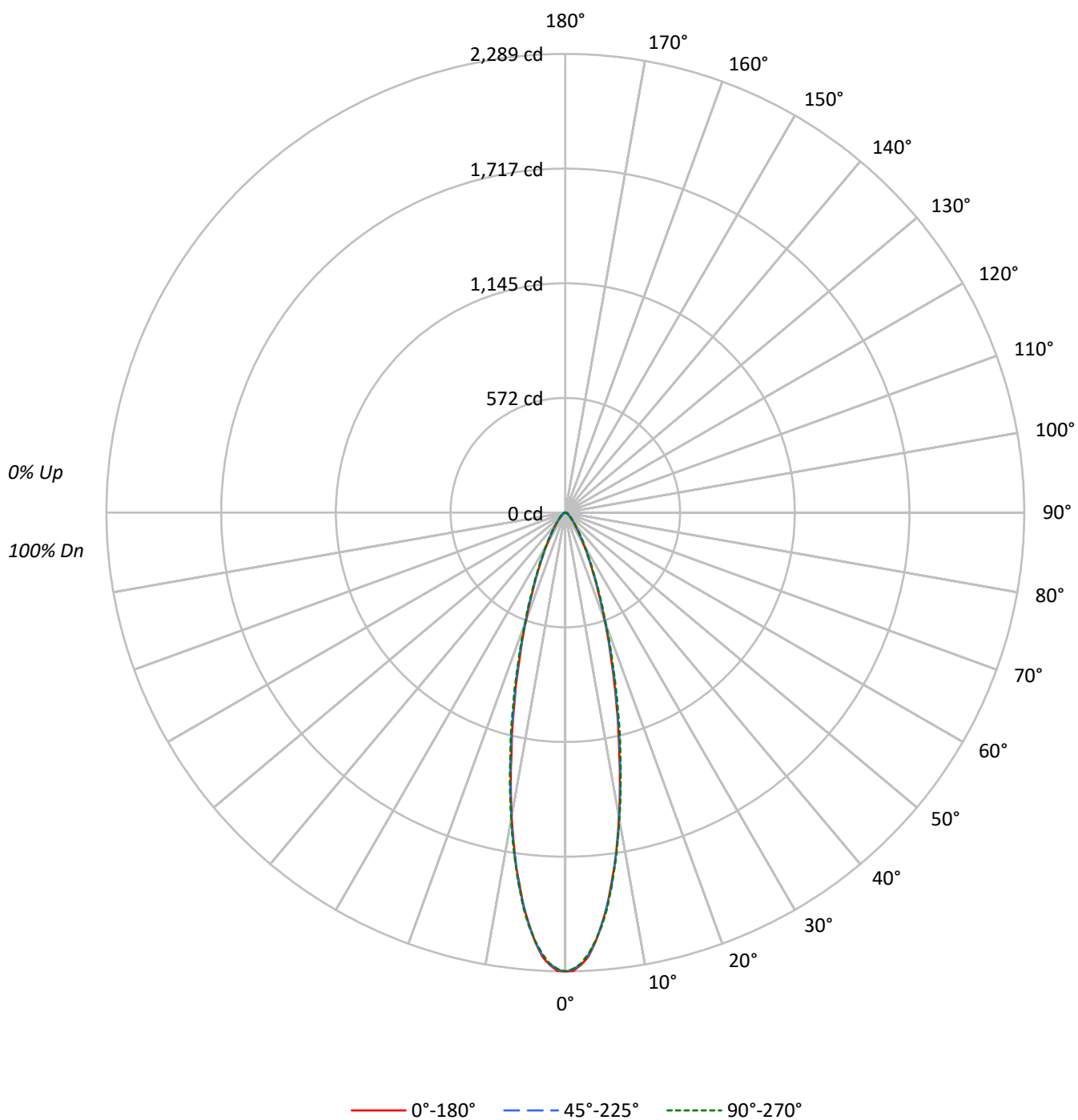
Lumens per Lamp: N/A
Luminaire Lumens: 757.0 lumens
Efficiency: N/A
Efficacy: 51.9 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	394235	394235	394235
5°	357102	357759	358278
10°	269594	270276	271640
15°	174875	176782	180241
20°	105292	106538	107949
25°	61512	62804	63716
30°	36154	37307	37884
35°	22286	23085	23505
40°	14636	15085	15288
45°	10181	10424	10644
50°	7556	7824	8065
55°	6125	6426	6426
60°	5373	5373	5373
65°	4768	4768	4768
70°	3928	4381	4381
75°	3859	3859	3859
80°	2876	3868	3868
85°	1976	1976	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 10644 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.3	23.8
10°-20°	275.7	36.4
20°-30°	156.7	20.7
30°-40°	71.5	9.4
40°-50°	34.3	4.5
50°-60°	19.2	2.5
60°-70°	11.7	1.6
70°-80°	6.2	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°	612.7	80.9
0°-40°	684.2	90.4
0°-60°	737.7	97.4
0°-90°	757.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	757.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2289	2289	2289	2289	2289	
5°	2066	2065	2069	2069	2072	180
15°	981	986	992	1005	1011	272
25°	324	324	330	333	335	154
35°	106	108	110	112	112	70
45°	42	42	43	44	44	33
55°	20	20	21	21	21	19
65°	12	12	12	12	12	12
75°	6	6	6	6	6	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°	2289.1	2289.1	2289.1	2289.1	2289.1
1°	2287.2	2281.3	2279.4	2278.4	2276.5
2°	2258.0	2253.2	2252.2	2252.2	2251.2
3°	2217.2	2208.4	2209.4	2206.5	2203.6
4°	2148.2	2144.3	2146.2	2148.2	2144.3
5°	2065.6	2064.6	2069.4	2069.4	2072.4
6°	1980.0	1979.0	1976.1	1983.9	1987.8
7°	1871.1	1877.0	1884.8	1880.9	1883.8
8°	1772.0	1765.2	1768.1	1777.8	1778.8
9°	1655.4	1650.5	1663.1	1667.0	1668.0
10°	1541.6	1546.5	1545.5	1559.1	1553.3
12.5°	1245.2	1252.9	1261.7	1267.5	1273.4
15°	980.8	985.6	991.5	1005.1	1010.9
17.5°	754.3	760.1	766.0	777.6	779.6
20°	574.5	577.4	581.3	592.0	589.0
22.5°	429.6	434.5	438.4	443.2	446.2
25°	323.7	323.7	330.5	333.4	335.3
27.5°	241.1	243.0	247.9	251.8	250.8
30°	181.8	184.7	187.6	189.5	190.5
32.5°	140.0	140.0	142.9	145.8	146.8
35°	106.0	107.9	109.8	111.8	111.8
37.5°	82.6	83.6	85.5	86.5	86.5
40°	65.1	65.1	67.1	68.0	68.0
42.5°	51.5	52.5	53.5	54.4	54.4
45°	41.8	41.8	42.8	43.7	43.7
47.5°	34.0	34.0	35.0	36.0	36.0
50°	28.2	29.2	29.2	30.1	30.1
52.5°	24.3	24.3	24.3	25.3	25.3
55°	20.4	20.4	21.4	21.4	21.4
57.5°	17.5	17.5	17.5	18.5	18.5
60°	15.6	15.6	15.6	15.6	15.6
62.5°	13.6	13.6	13.6	13.6	13.6
65°	11.7	11.7	11.7	11.7	11.7
67.5°	9.7	9.7	9.7	10.7	10.7
70°	7.8	8.7	8.7	8.7	8.7
72.5°	6.8	6.8	6.8	6.8	6.8
75°	5.8	5.8	5.8	5.8	5.8
77.5°	4.9	4.9	4.9	4.9	4.9
80°	2.9	3.9	3.9	3.9	3.9
82.5°	1.9	1.9	1.9	1.9	1.9
85°	1.0	1.0	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	1.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)