

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: P1307999

Luminaire Tested: P3SQAS13R259030DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307999
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R259030DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

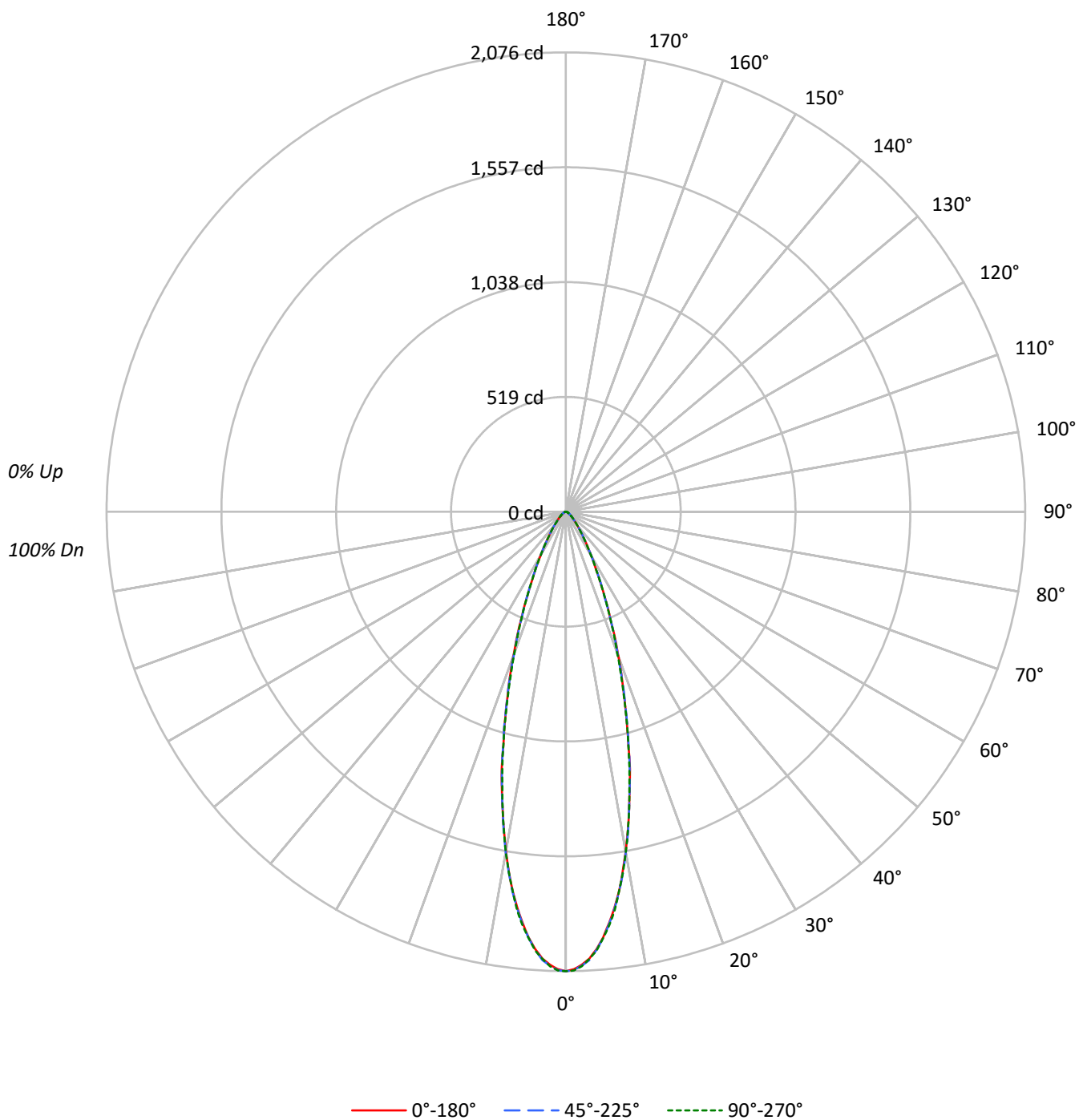
Lumens per Lamp: N/A
Luminaire Lumens: 832.0 lumens
Efficiency: N/A
Efficacy: 57.0 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	357603	357603	357603
5°	333798	334126	334299
10°	272252	273109	273109
15°	194470	195504	194470
20°	127267	126020	124242
25°	75669	76030	75669
30°	45580	45580	45381
35°	27773	27984	27773
40°	17693	17896	17896
45°	12300	12300	12300
50°	8842	9110	9110
55°	6996	6996	7296
60°	5683	6028	6028
65°	5135	5135	5135
70°	4381	4381	4884
75°	3859	3859	4525
80°	3868	3868	3868
85°	1976	1976	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12300 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.6	20.7
10°-20°	300.8	36.2
20°-30°	189.1	22.7
30°-40°	86.5	10.4
40°-50°	40.4	4.9
50°-60°	21.7	2.6
60°-70°	12.8	1.5
70°-80°	6.7	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°	662.4	79.6
0°-40°	748.9	90.0
0°-60°	811.0	97.5
0°-90°	832.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	832.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2076	2076	2076	2076	2076	
5°	1931	1935	1933	1935	1934	172
15°	1091	1098	1096	1098	1091	301
25°	398	403	400	400	398	189
35°	132	132	133	133	132	86
45°	50	50	50	50	50	40
55°	23	23	23	24	24	21
65°	13	13	13	13	13	12
75°	6	6	6	7	7	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°	2076.4	2076.4	2076.4	2076.4	2076.4
1°	2067.7	2069.6	2071.6	2074.5	2073.5
2°	2048.3	2052.2	2053.1	2057.0	2056.0
3°	2022.1	2021.1	2028.9	2028.9	2024.0
4°	1981.3	1983.2	1985.2	1987.1	1988.1
5°	1930.8	1934.6	1932.7	1934.6	1933.7
6°	1868.6	1874.4	1873.5	1875.4	1878.3
7°	1802.6	1806.4	1806.4	1804.5	1812.3
8°	1730.7	1727.8	1732.6	1730.7	1729.7
9°	1645.2	1651.1	1652.0	1647.2	1649.1
10°	1556.8	1560.7	1561.7	1564.6	1561.7
11°	1469.4	1469.4	1471.4	1476.2	1468.5
12°	1374.3	1383.0	1374.3	1378.1	1374.3
13°	1283.9	1285.9	1283.9	1283.0	1276.2
14°	1198.5	1191.7	1193.6	1185.8	1186.8
15°	1090.7	1097.5	1096.5	1098.4	1090.7
17.5°	877.0	880.9	879.9	878.0	868.3
20°	694.4	694.4	687.6	683.7	677.9
22.5°	530.3	528.3	525.4	522.5	524.5
25°	398.2	403.1	400.1	400.1	398.2
27.5°	301.1	306.9	302.0	299.1	301.1
30°	229.2	231.1	229.2	228.2	228.2
32.5°	172.9	173.8	172.9	172.9	172.9
35°	132.1	132.1	133.1	133.1	132.1
37.5°	102.0	102.0	102.0	102.0	102.9
40°	78.7	79.6	79.6	79.6	79.6
42.5°	62.2	63.1	63.1	63.1	63.1
45°	50.5	50.5	50.5	50.5	50.5
47.5°	40.8	40.8	40.8	40.8	41.8
50°	33.0	34.0	34.0	34.0	34.0
52.5°	28.2	28.2	28.2	28.2	28.2
55°	23.3	23.3	23.3	24.3	24.3
57.5°	19.4	19.4	20.4	20.4	20.4
60°	16.5	17.5	17.5	17.5	17.5
62.5°	14.6	14.6	15.5	15.5	15.5
65°	12.6	12.6	12.6	12.6	12.6
67.5°	10.7	10.7	10.7	10.7	11.7
70°	8.7	8.7	8.7	9.7	9.7
72.5°	7.8	7.8	7.8	7.8	7.8
75°	5.8	5.8	5.8	6.8	6.8
77.5°	4.9	4.9	4.9	4.9	4.9
80°	3.9	3.9	3.9	3.9	3.9
82.5°	1.9	1.9	2.9	2.9	2.9
85°	1.0	1.0	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)