

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: P1308016

Luminaire Tested: P3SQAS13R309030DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308016
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R309030DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

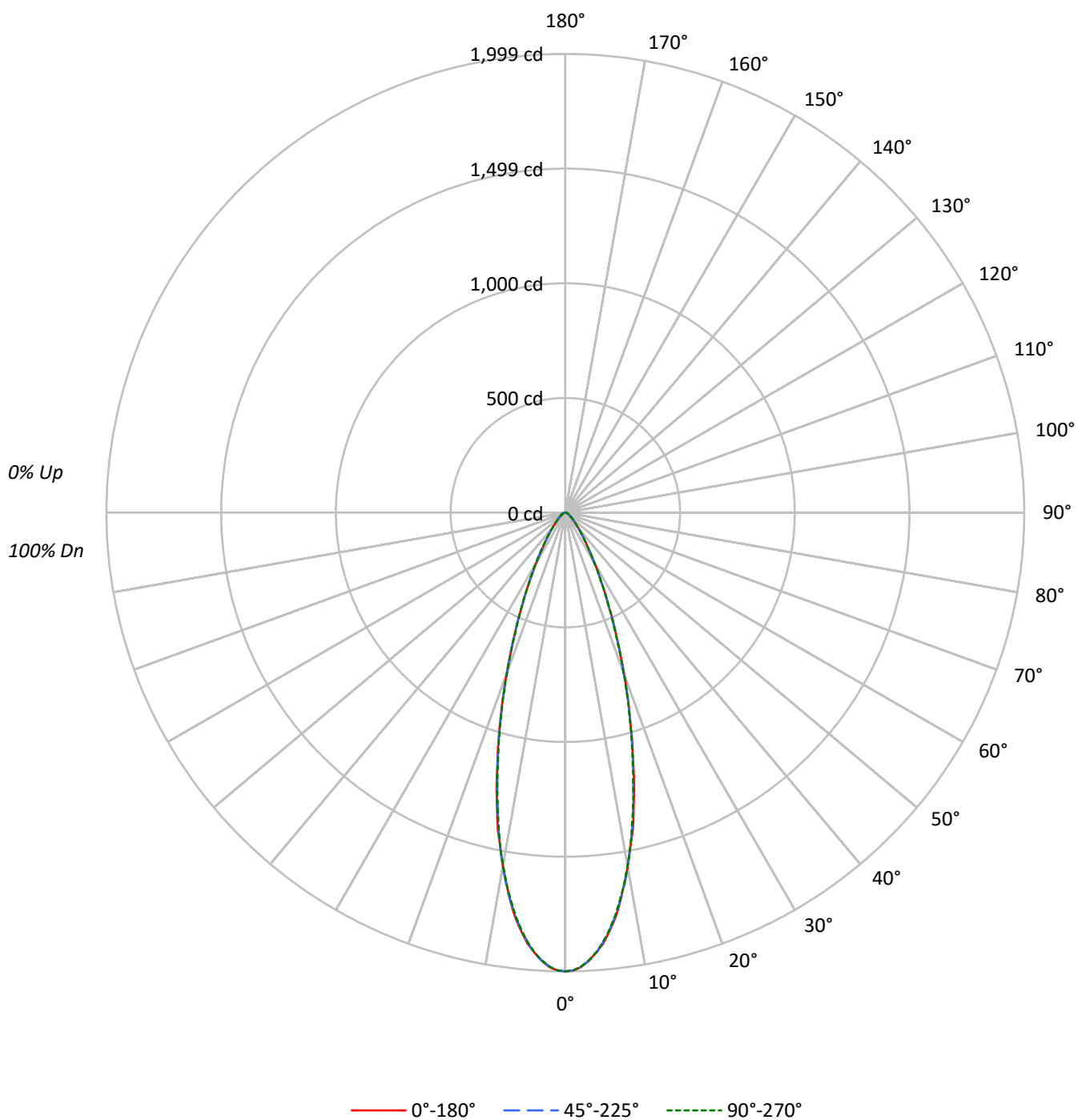
Lumens per Lamp: N/A
Luminaire Lumens: 878.0 lumens
Efficiency: N/A
Efficacy: 60.1 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	106	111	109	107	105	105	103	101		101	100	98		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	344308	344308	344308
5°	325983	325136	324963
10°	273844	273844	272829
15°	204026	203509	202297
20°	136559	135844	136027
25°	84182	83992	84353
30°	50611	50611	50810
35°	31053	31053	31242
40°	19649	19649	20099
45°	13493	13712	13712
50°	9887	9887	9887
55°	7597	7867	7867
60°	6372	6372	6682
65°	5542	5542	5542
70°	4884	5388	5388
75°	4525	4525	4525
80°	3868	3868	3868
85°	1976	1976	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 13712 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.5	19.3
10°-20°	312.9	35.6
20°-30°	208.0	23.7
30°-40°	96.2	11.0
40°-50°	44.7	5.1
50°-60°	23.8	2.7
60°-70°	13.9	1.6
70°-80°	7.4	0.8
80°-90°	1.6	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°	690.4	78.6
0°-40°	786.6	89.6
0°-60°	855.1	97.4
0°-90°	878.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	878.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1999	1999	1999	1999	1999	
5°	1886	1882	1881	1886	1880	170
15°	1144	1148	1141	1141	1135	314
25°	443	442	442	442	444	208
35°	148	147	148	149	149	96
45°	55	55	56	56	56	44
55°	25	26	26	26	26	24
65°	14	14	14	14	14	14
75°	7	7	7	7	7	7
85°	1	1	1	1	1	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1999.2	1999.2	1999.2	1999.2	1999.2
1°	1995.3	1993.4	1995.3	1998.2	1994.4
2°	1981.7	1979.8	1979.8	1983.7	1979.8
3°	1955.5	1957.4	1956.5	1960.4	1953.6
4°	1922.5	1921.5	1925.4	1927.3	1921.5
5°	1885.6	1881.7	1880.7	1885.6	1879.7
6°	1835.0	1832.1	1830.2	1836.0	1828.2
7°	1780.6	1778.7	1775.8	1777.7	1771.9
8°	1713.6	1712.6	1710.7	1712.6	1705.8
9°	1638.8	1638.8	1642.7	1641.7	1637.8
10°	1565.9	1567.9	1565.9	1567.9	1560.1
11°	1484.3	1484.3	1486.3	1485.3	1486.3
12°	1413.4	1405.7	1403.7	1401.8	1395.9
13°	1322.1	1316.3	1314.3	1316.3	1313.4
14°	1238.6	1234.7	1225.0	1226.9	1223.0
15°	1144.3	1148.2	1141.4	1141.4	1134.6
17.5°	935.5	931.6	933.5	934.5	931.6
20°	745.1	743.1	741.2	739.3	742.2
22.5°	579.0	579.9	578.0	576.1	574.1
25°	443.0	442.0	442.0	442.0	443.9
27.5°	336.1	336.1	336.1	337.1	337.1
30°	254.5	252.6	254.5	255.5	255.5
32.5°	190.4	192.3	193.3	193.3	193.3
35°	147.7	146.7	147.7	148.6	148.6
37.5°	112.7	112.7	113.7	113.7	114.6
40°	87.4	87.4	87.4	88.4	89.4
42.5°	69.0	69.0	69.9	69.9	70.9
45°	55.4	55.4	56.3	56.3	56.3
47.5°	44.7	44.7	45.7	45.7	45.7
50°	36.9	36.9	36.9	36.9	36.9
52.5°	31.1	30.1	31.1	31.1	31.1
55°	25.3	26.2	26.2	26.2	26.2
57.5°	21.4	22.3	22.3	22.3	22.3
60°	18.5	18.5	18.5	19.4	19.4
62.5°	15.5	16.5	16.5	16.5	16.5
65°	13.6	13.6	13.6	13.6	13.6
67.5°	11.7	11.7	11.7	11.7	12.6
70°	9.7	9.7	10.7	10.7	10.7
72.5°	8.7	8.7	8.7	8.7	8.7
75°	6.8	6.8	6.8	6.8	6.8
77.5°	4.9	4.9	5.8	5.8	4.9
80°	3.9	3.9	3.9	3.9	3.9
82.5°	2.9	2.9	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)