

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: P1311312

Luminaire Tested: P3SQAS13R259050DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311312
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: P3SQAS13R259050DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

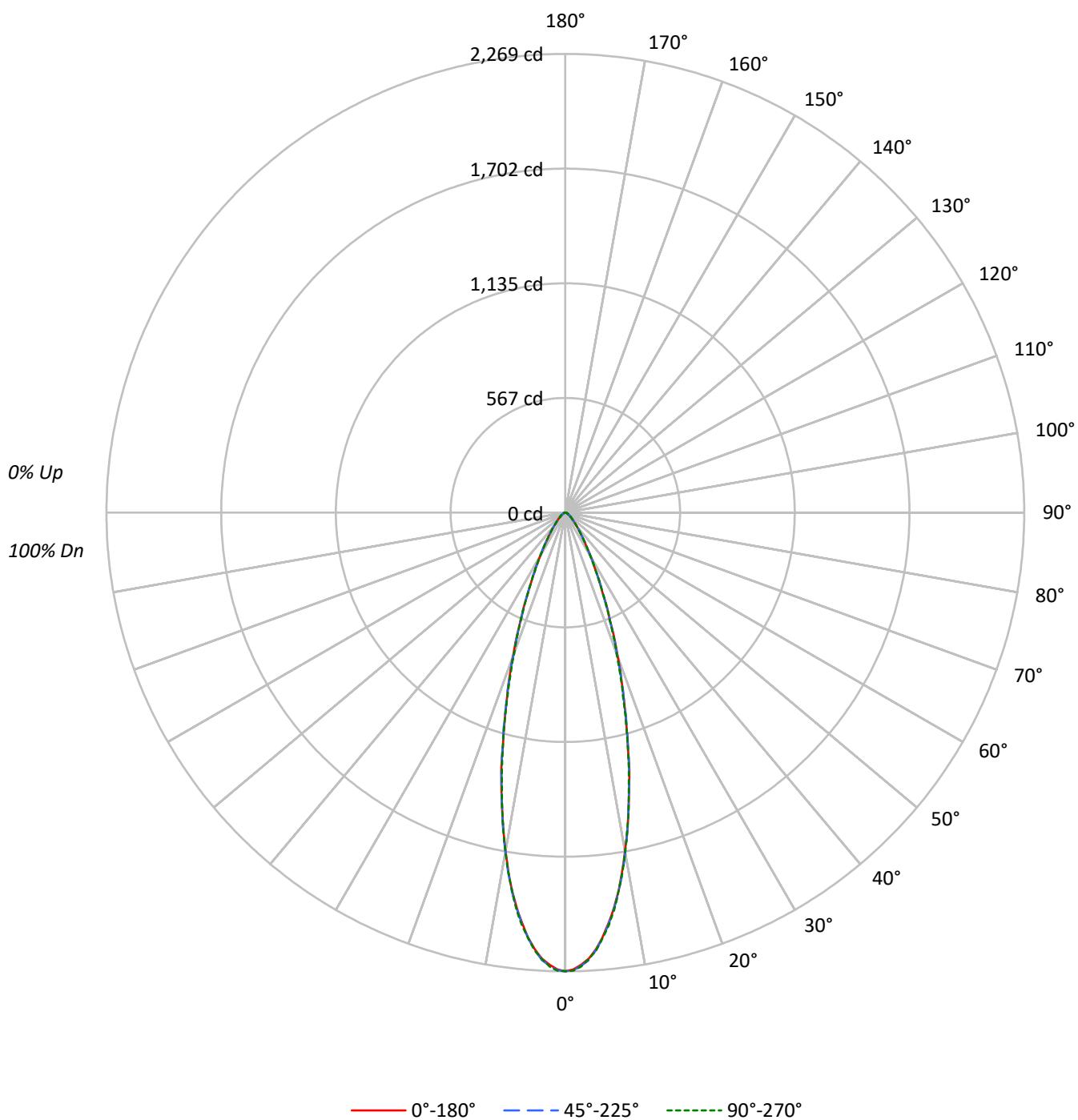
Lumens per Lamp: N/A
Luminaire Lumens: 909.0 lumens
Efficiency: N/A
Efficacy: 62.3 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1311312

CATALOG NUMBER: P3SQAS13R259050DE010 E3SQPHL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1311312

CATALOG NUMBER: P3SQAS13R259050DE010 E3SQPHL1MW

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°	390704	390704	390704
5°	364691	365054	365227
10°	297452	298379	298379
15°	212460	213601	212460
20°	139051	137695	135734
25°	82662	83080	82662
30°	49796	49796	49597
35°	30338	30570	30338
40°	19312	19559	19559
45°	13444	13444	13444
50°	9672	9940	9940
55°	7657	7657	7957
60°	6200	6579	6579
65°	5624	5624	5624
70°	4784	4784	5338
75°	4259	4259	4924
80°	4166	4166	4166
85°	2174	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13444 cd/sqm

TEST NUMBER: P1311312

CATALOG NUMBER: P3SQAS13R259050DE010 E3SQPHL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.5	20.7
10°-20°	328.6	36.1
20°-30°	206.6	22.7
30°-40°	94.5	10.4
40°-50°	44.1	4.9
50°-60°	23.7	2.6
60°-70°	14.0	1.5
70°-80°	7.3	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°	723.7	79.6
0°-40°	818.2	90.0
0°-60°	886.1	97.5
0°-90°	909.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	909.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2269	2269	2269	2269	2269	
5°	2110	2114	2112	2114	2113	188
15°	1192	1199	1198	1200	1192	329
25°	435	440	437	437	435	207
35°	144	144	145	145	144	94
45°	55	55	55	55	55	44
55°	26	26	26	26	26	23
65°	14	14	14	14	14	14
75°	6	6	6	7	7	7
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1311312

CATALOG NUMBER: P3SQAS13R259050DE010 E3SQPHL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2268.6	2268.6	2268.6	2268.6	2268.6
1°	2259.1	2261.2	2263.3	2266.5	2265.4
2°	2237.8	2242.1	2243.1	2247.4	2246.3
3°	2209.2	2208.1	2216.6	2216.6	2211.3
4°	2164.6	2166.8	2168.9	2171.0	2172.1
5°	2109.5	2113.7	2111.6	2113.7	2112.6
6°	2041.5	2047.9	2046.8	2049.0	2052.2
7°	1969.4	1973.6	1973.6	1971.5	1980.0
8°	1890.9	1887.7	1893.0	1890.9	1889.8
9°	1797.5	1803.9	1804.9	1799.6	1801.7
10°	1700.9	1705.2	1706.2	1709.4	1706.2
11°	1605.4	1605.4	1607.6	1612.9	1604.4
12°	1501.4	1511.0	1501.4	1505.7	1501.4
13°	1402.8	1404.9	1402.8	1401.7	1394.3
14°	1309.4	1302.0	1304.1	1295.6	1296.7
15°	1191.6	1199.0	1198.0	1200.1	1191.6
17.5°	958.2	962.4	961.3	959.2	948.6
20°	758.7	758.7	751.3	747.0	740.6
22.5°	579.4	577.2	574.1	570.9	573.0
25°	435.0	440.4	437.2	437.2	435.0
27.5°	328.9	335.3	330.0	326.8	328.9
30°	250.4	252.5	250.4	249.4	249.4
32.5°	188.9	189.9	188.9	188.9	188.9
35°	144.3	144.3	145.4	145.4	144.3
37.5°	111.4	111.4	111.4	111.4	112.5
40°	85.9	87.0	87.0	87.0	87.0
42.5°	67.9	69.0	69.0	69.0	69.0
45°	55.2	55.2	55.2	55.2	55.2
47.5°	44.6	44.6	44.6	44.6	45.6
50°	36.1	37.1	37.1	37.1	37.1
52.5°	30.8	30.8	30.8	30.8	30.8
55°	25.5	25.5	25.5	26.5	26.5
57.5°	21.2	21.2	22.3	22.3	22.3
60°	18.0	19.1	19.1	19.1	19.1
62.5°	15.9	15.9	17.0	17.0	17.0
65°	13.8	13.8	13.8	13.8	13.8
67.5°	11.7	11.7	11.7	11.7	12.7
70°	9.5	9.5	9.5	10.6	10.6
72.5°	8.5	8.5	8.5	8.5	8.5
75°	6.4	6.4	6.4	7.4	7.4
77.5°	5.3	5.3	5.3	5.3	5.3
80°	4.2	4.2	4.2	4.2	4.2
82.5°	2.1	2.1	3.2	3.2	3.2
85°	1.1	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1311312

CATALOG NUMBER: P3SQAS13R259050DE010 E3SQPHL1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)