

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: P1313402

Luminaire Tested: P3SQAS13R259730DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313402
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: P3SQAS13R259730DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

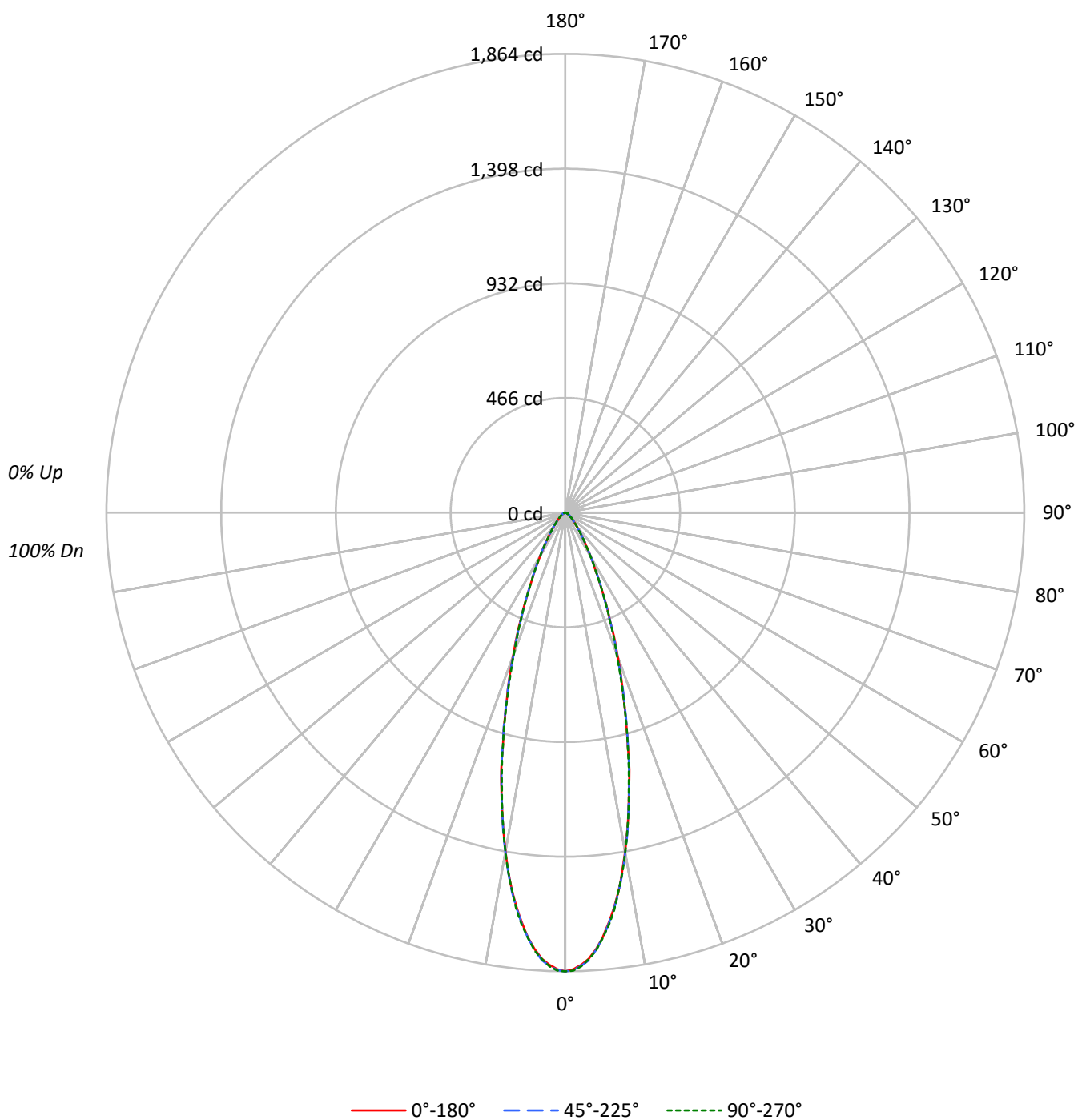
Lumens per Lamp: N/A
Luminaire Lumens: 747.0 lumens
Efficiency: N/A
Efficacy: 51.2 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1313402

CATALOG NUMBER: P3SQAS13R259730DE010 E3SQPHL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1313402

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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°	321075	321075	321075
5°	299688	300000	300138
10°	244446	245216	245216
15°	174589	175534	174589
20°	114272	113154	111541
25°	67935	68277	67935
30°	40927	40927	40748
35°	24935	25124	24935
40°	15872	16075	16075
45°	11033	11033	11033
50°	7931	8172	8172
55°	6275	6275	6546
60°	5098	5408	5408
65°	4605	4605	4605
70°	3928	3928	4381
75°	3460	3460	4059
80°	3471	3471	3471
85°	1778	1778	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11033 cd/sqm

TEST NUMBER: P1313402

CATALOG NUMBER: P3SQAS13R259730DE010 E3SQPHL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.9	20.7
10°-20°	270.0	36.2
20°-30°	169.8	22.7
30°-40°	77.7	10.4
40°-50°	36.3	4.9
50°-60°	19.5	2.6
60°-70°	11.5	1.5
70°-80°	6.0	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°	594.7	79.6
0°-40°	672.4	90.0
0°-60°	728.2	97.5
0°-90°	747.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	747.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1864	1864	1864	1864	1864	
5°	1734	1737	1735	1737	1736	155
15°	979	985	984	986	979	270
25°	358	362	359	359	358	170
35°	119	119	120	120	119	77
45°	45	45	45	45	45	36
55°	21	21	21	22	22	19
65°	11	11	11	11	11	11
75°	5	5	5	6	6	6
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1313402

CATALOG NUMBER: P3SQAS13R259730DE010 E3SQPHL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1864.3	1864.3	1864.3	1864.3	1864.3
1°	1856.5	1858.2	1859.9	1862.6	1861.7
2°	1839.0	1842.5	1843.4	1846.9	1846.0
3°	1815.5	1814.6	1821.6	1821.6	1817.2
4°	1778.9	1780.6	1782.3	1784.1	1785.0
5°	1733.5	1737.0	1735.3	1737.0	1736.1
6°	1677.7	1682.9	1682.1	1683.8	1686.4
7°	1618.4	1621.9	1621.9	1620.2	1627.1
8°	1553.9	1551.3	1555.6	1553.9	1553.0
9°	1477.1	1482.4	1483.2	1478.9	1480.6
10°	1397.8	1401.3	1402.2	1404.8	1402.2
11°	1319.3	1319.3	1321.1	1325.4	1318.4
12°	1233.9	1241.7	1233.9	1237.3	1233.9
13°	1152.8	1154.5	1152.8	1151.9	1145.8
14°	1076.0	1069.9	1071.7	1064.7	1065.6
15°	979.2	985.3	984.5	986.2	979.2
17.5°	787.4	790.9	790.0	788.3	779.6
20°	623.5	623.5	617.4	613.9	608.6
22.5°	476.1	474.4	471.7	469.1	470.9
25°	357.5	361.9	359.3	359.3	357.5
27.5°	270.3	275.5	271.2	268.6	270.3
30°	205.8	207.5	205.8	204.9	204.9
32.5°	155.2	156.1	155.2	155.2	155.2
35°	118.6	118.6	119.5	119.5	118.6
37.5°	91.6	91.6	91.6	91.6	92.4
40°	70.6	71.5	71.5	71.5	71.5
42.5°	55.8	56.7	56.7	56.7	56.7
45°	45.3	45.3	45.3	45.3	45.3
47.5°	36.6	36.6	36.6	36.6	37.5
50°	29.6	30.5	30.5	30.5	30.5
52.5°	25.3	25.3	25.3	25.3	25.3
55°	20.9	20.9	20.9	21.8	21.8
57.5°	17.4	17.4	18.3	18.3	18.3
60°	14.8	15.7	15.7	15.7	15.7
62.5°	13.1	13.1	14.0	14.0	14.0
65°	11.3	11.3	11.3	11.3	11.3
67.5°	9.6	9.6	9.6	9.6	10.5
70°	7.8	7.8	7.8	8.7	8.7
72.5°	7.0	7.0	7.0	7.0	7.0
75°	5.2	5.2	5.2	6.1	6.1
77.5°	4.4	4.4	4.4	4.4	4.4
80°	3.5	3.5	3.5	3.5	3.5
82.5°	1.7	1.7	2.6	2.6	2.6
85°	0.9	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1313402

CATALOG NUMBER: P3SQAS13R259730DE010 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)