

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: P1314372

Luminaire Tested: P3SQAS13R259735DE010 E3SQPHL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314372
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: P3SQAS13R259735DE010 E3SQPHL1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , E3SQPHL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

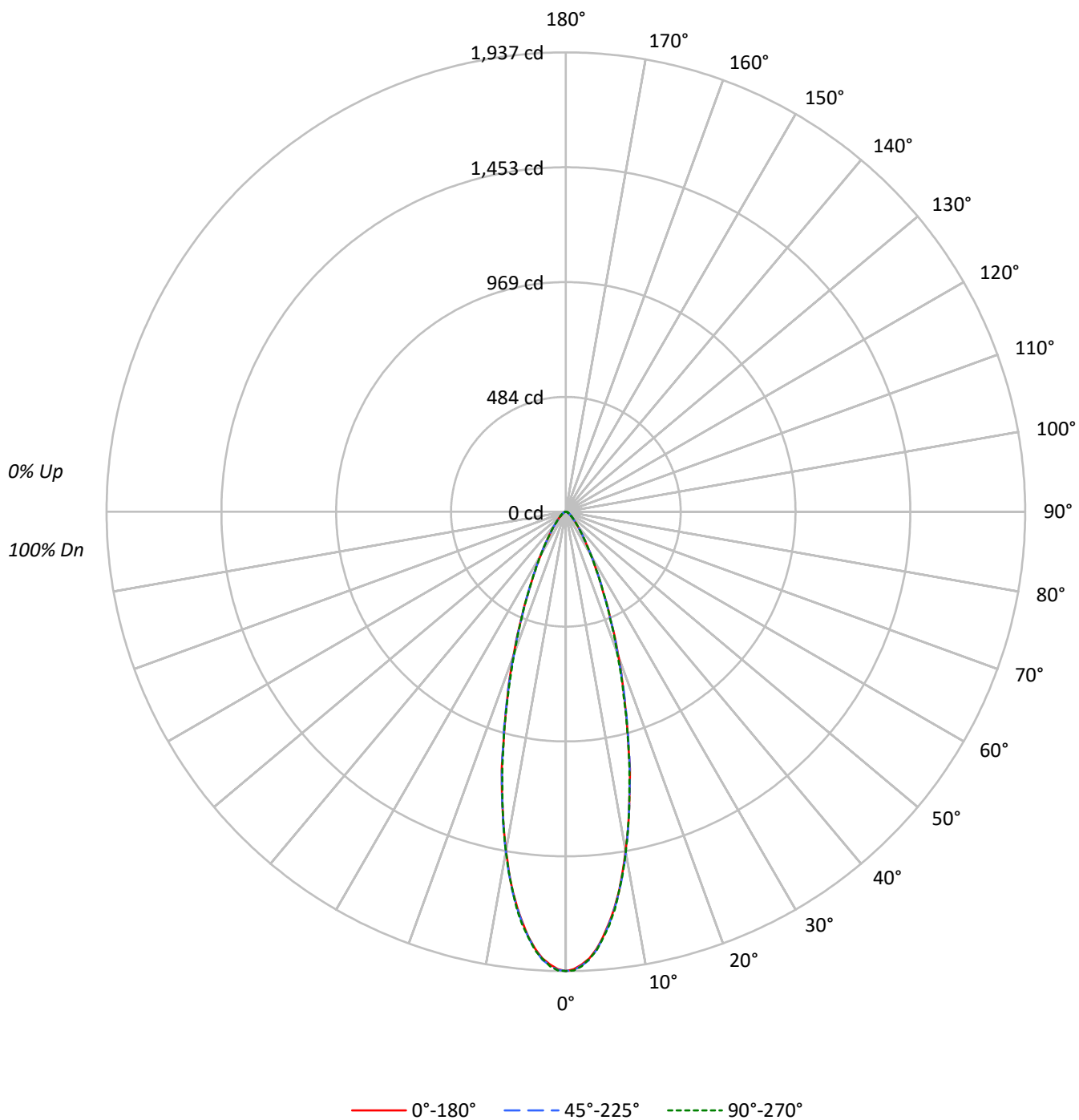
Lumens per Lamp: N/A
Luminaire Lumens: 776.0 lumens
Efficiency: N/A
Efficacy: 53.1 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1314372

CATALOG NUMBER: P3SQAS13R259735DE010 E3SQPHL1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1314372

CATALOG NUMBER: P3SQAS13R259735DE010 E3SQPHL1MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82	78	76	74
6	91	83	78	74	90	82	77	73	81	76	73		79	76	73		78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75	71	69	67
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72	68	66	64
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	333544	333544	333544
5°	311323	311634	311790
10°	253942	254729	254729
15°	181383	182345	181383
20°	118708	117535	115885
25°	70576	70918	70576
30°	42517	42517	42338
35°	25902	26091	25902
40°	16502	16704	16704
45°	11472	11472	11472
50°	8252	8493	8493
55°	6516	6516	6786
60°	5304	5614	5614
65°	4809	4809	4809
70°	4129	4129	4582
75°	3593	3593	4192
80°	3570	3570	3570
85°	1778	1778	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11472 cd/sqm

TEST NUMBER: P1314372

CATALOG NUMBER: P3SQAS13R259735DE010 E3SQPHL1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.9	20.7
10°-20°	280.5	36.2
20°-30°	176.4	22.7
30°-40°	80.7	10.4
40°-50°	37.7	4.9
50°-60°	20.3	2.6
60°-70°	12.0	1.5
70°-80°	6.2	0.8
80°-90°	1.4	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°	617.8	79.6
0°-40°	698.5	90.0
0°-60°	756.4	97.5
0°-90°	776.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	776.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1937	1937	1937	1937	1937	
5°	1801	1804	1803	1804	1804	161
15°	1017	1024	1023	1024	1017	281
25°	371	376	373	373	371	177
35°	123	123	124	124	123	80
45°	47	47	47	47	47	37
55°	22	22	22	23	23	20
65°	12	12	12	12	12	12
75°	5	5	5	6	6	6
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1314372

CATALOG NUMBER: P3SQAS13R259735DE010 E3SQPHL1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1936.7	1936.7	1936.7	1936.7	1936.7
1°	1928.5	1930.3	1932.2	1934.9	1934.0
2°	1910.4	1914.0	1914.9	1918.6	1917.7
3°	1886.0	1885.1	1892.3	1892.3	1887.8
4°	1847.9	1849.7	1851.5	1853.3	1854.3
5°	1800.8	1804.4	1802.6	1804.4	1803.5
6°	1742.8	1748.3	1747.4	1749.2	1751.9
7°	1681.2	1684.9	1684.9	1683.0	1690.3
8°	1614.2	1611.5	1616.0	1614.2	1613.3
9°	1534.5	1539.9	1540.8	1536.3	1538.1
10°	1452.1	1455.7	1456.6	1459.3	1456.6
11°	1370.5	1370.5	1372.3	1376.9	1369.6
12°	1281.8	1289.9	1281.8	1285.4	1281.8
13°	1197.5	1199.3	1197.5	1196.6	1190.3
14°	1117.8	1111.5	1113.3	1106.0	1106.9
15°	1017.3	1023.6	1022.7	1024.5	1017.3
17.5°	818.0	821.6	820.7	818.9	809.8
20°	647.7	647.7	641.3	637.7	632.3
22.5°	494.6	492.8	490.1	487.3	489.2
25°	371.4	375.9	373.2	373.2	371.4
27.5°	280.8	286.2	281.7	279.0	280.8
30°	213.8	215.6	213.8	212.9	212.9
32.5°	161.2	162.1	161.2	161.2	161.2
35°	123.2	123.2	124.1	124.1	123.2
37.5°	95.1	95.1	95.1	95.1	96.0
40°	73.4	74.3	74.3	74.3	74.3
42.5°	58.0	58.9	58.9	58.9	58.9
45°	47.1	47.1	47.1	47.1	47.1
47.5°	38.0	38.0	38.0	38.0	39.0
50°	30.8	31.7	31.7	31.7	31.7
52.5°	26.3	26.3	26.3	26.3	26.3
55°	21.7	21.7	21.7	22.6	22.6
57.5°	18.1	18.1	19.0	19.0	19.0
60°	15.4	16.3	16.3	16.3	16.3
62.5°	13.6	13.6	14.5	14.5	14.5
65°	11.8	11.8	11.8	11.8	11.8
67.5°	10.0	10.0	10.0	10.0	10.9
70°	8.2	8.2	8.2	9.1	9.1
72.5°	7.2	7.2	7.2	7.2	7.2
75°	5.4	5.4	5.4	6.3	6.3
77.5°	4.5	4.5	4.5	4.5	4.5
80°	3.6	3.6	3.6	3.6	3.6
82.5°	1.8	1.8	2.7	2.7	2.7
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: P1314372
CATALOG NUMBER: P3SQAS13R259735DE010 E3SQPHL1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)