

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: P1308031

Luminaire Tested: P3SQAS13R359030DE010 E3SQPHL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308031
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R359030DE010 E3SQPHL1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3SQPHL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

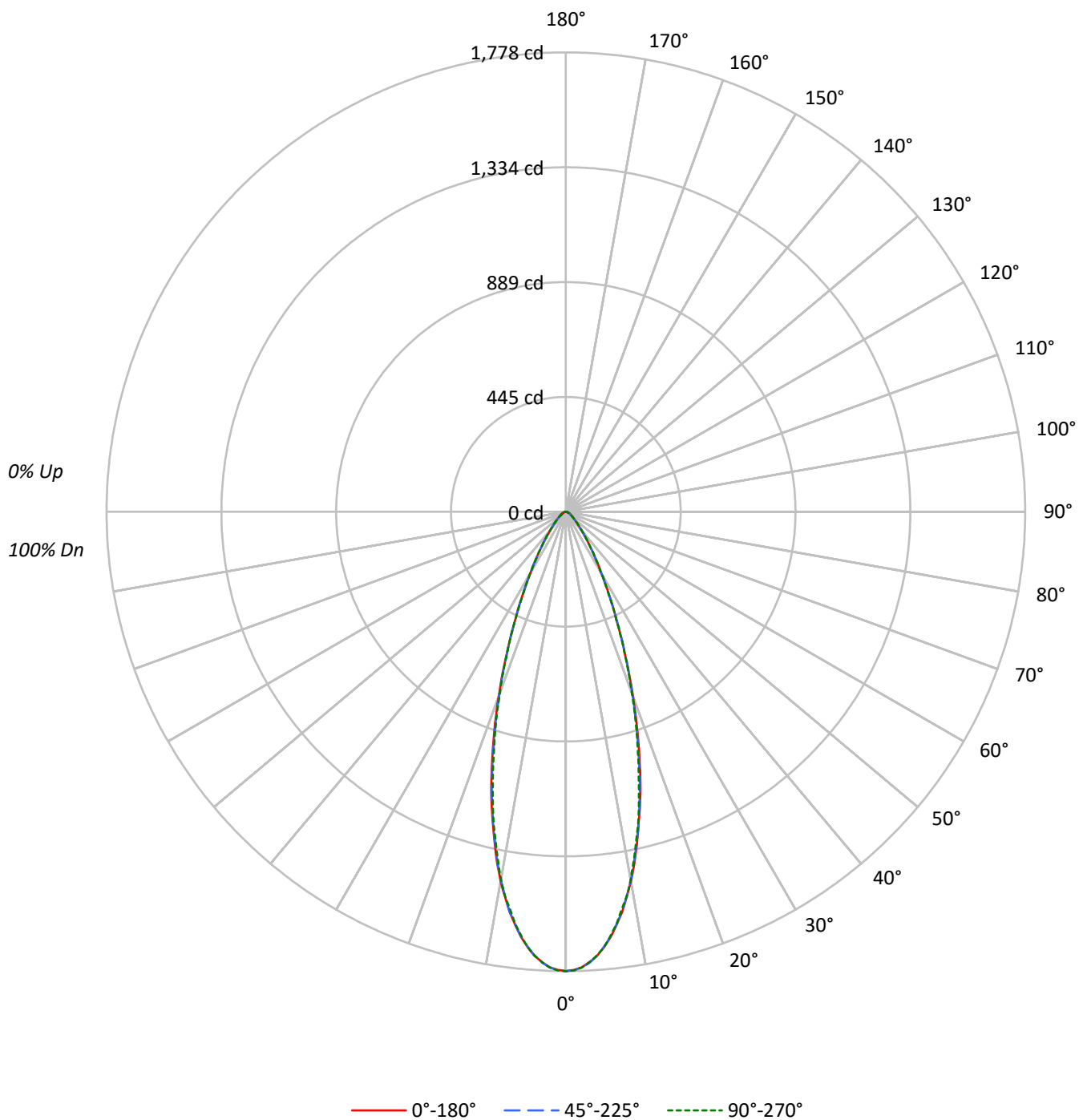
Lumens per Lamp: N/A
Luminaire Lumens: 877.0 lumens
Efficiency: N/A
Efficacy: 60.1 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1308031

CATALOG NUMBER: P3SQAS13R359030DE010 E3SQPHL1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1308031

CATALOG NUMBER: P3SQAS13R359030DE010 E3SQPHL1MB

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	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	86	82	97	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	306264	306264	306264
5°	292652	292151	292652
10°	254065	253208	252876
15°	199070	197519	194398
20°	139271	138025	137127
25°	88457	89008	88457
30°	54489	54887	54489
35°	33702	33913	33913
40°	21403	21628	21628
45°	14443	14662	14906
50°	10423	10664	10664
55°	8167	8167	8167
60°	6682	6682	6682
65°	5950	5950	5950
70°	5388	5388	5388
75°	4525	4525	4525
80°	3868	3868	3868
85°	1976	1976	3754

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 14906 cd/sqm

TEST NUMBER: P1308031

CATALOG NUMBER: P3SQAS13R359030DE010 E3SQPHL1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.7	17.5
10°-20°	302.6	34.5
20°-30°	218.3	24.9
30°-40°	105.3	12.0
40°-50°	48.5	5.5
50°-60°	25.1	2.9
60°-70°	14.5	1.7
70°-80°	7.3	0.8
80°-90°	1.7	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°	674.6	76.9
0°-40°	779.8	88.9
0°-60°	853.4	97.3
0°-90°	877.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	877.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1778	1778	1778	1778	1778	
5°	1693	1697	1690	1691	1693	154
15°	1116	1115	1108	1103	1090	304
25°	466	466	468	468	466	218
35°	160	160	161	161	161	105
45°	59	60	60	61	61	48
55°	27	27	27	27	27	25
65°	15	15	15	15	15	14
75°	7	7	7	7	7	7
85°	1	1	1	1	2	2
90°	0	0	0	0	0	

TEST NUMBER: P1308031

CATALOG NUMBER: P3SQAS13R359030DE010 E3SQPHL1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1778.3	1778.3	1778.3	1778.3	1778.3
1°	1773.4	1776.3	1775.4	1776.3	1775.4
2°	1764.7	1766.6	1764.7	1765.7	1765.7
3°	1746.2	1748.2	1748.2	1747.2	1746.2
4°	1723.9	1728.7	1723.9	1724.8	1721.9
5°	1692.8	1696.7	1689.9	1690.8	1692.8
6°	1654.9	1655.8	1653.9	1652.9	1651.0
7°	1611.1	1615.0	1608.2	1609.2	1607.3
8°	1564.5	1563.5	1563.5	1559.6	1553.8
9°	1508.1	1512.0	1506.2	1504.3	1505.2
10°	1452.8	1452.8	1447.9	1443.0	1446.0
11°	1389.6	1387.6	1384.7	1377.9	1376.0
12°	1320.6	1324.5	1315.7	1312.8	1306.0
13°	1249.7	1255.5	1251.6	1240.9	1241.9
14°	1183.6	1179.7	1176.8	1174.8	1168.0
15°	1116.5	1114.6	1107.8	1102.9	1090.3
17.5°	932.9	934.8	922.2	920.2	915.4
20°	759.9	754.1	753.1	754.1	748.2
22.5°	599.6	605.4	598.6	599.6	595.7
25°	465.5	466.4	468.4	468.4	465.5
27.5°	361.5	361.5	359.5	361.5	358.6
30°	274.0	274.0	276.0	277.9	274.0
32.5°	211.8	211.8	211.8	212.8	213.8
35°	160.3	160.3	161.3	161.3	161.3
37.5°	123.4	124.4	125.4	125.4	125.4
40°	95.2	96.2	96.2	97.2	96.2
42.5°	75.8	75.8	75.8	76.8	76.8
45°	59.3	60.2	60.2	61.2	61.2
47.5°	48.6	48.6	48.6	49.6	49.6
50°	38.9	39.8	39.8	39.8	39.8
52.5°	32.1	32.1	33.0	33.0	33.0
55°	27.2	27.2	27.2	27.2	27.2
57.5°	22.4	23.3	23.3	23.3	23.3
60°	19.4	19.4	19.4	19.4	19.4
62.5°	16.5	16.5	16.5	16.5	16.5
65°	14.6	14.6	14.6	14.6	14.6
67.5°	11.7	12.6	12.6	12.6	12.6
70°	10.7	10.7	10.7	10.7	10.7
72.5°	7.8	8.7	8.7	8.7	8.7
75°	6.8	6.8	6.8	6.8	6.8
77.5°	5.8	4.9	4.9	4.9	5.8
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	1.9
87.5°	0.0	0.0	0.0	1.0	1.0



TEST NUMBER: P1308031
CATALOG NUMBER: P3SQAS13R359030DE010 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)