

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: P1316413

Luminaire Tested: P3SQAS17R359827DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316413
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: P3SQAS17R359827DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

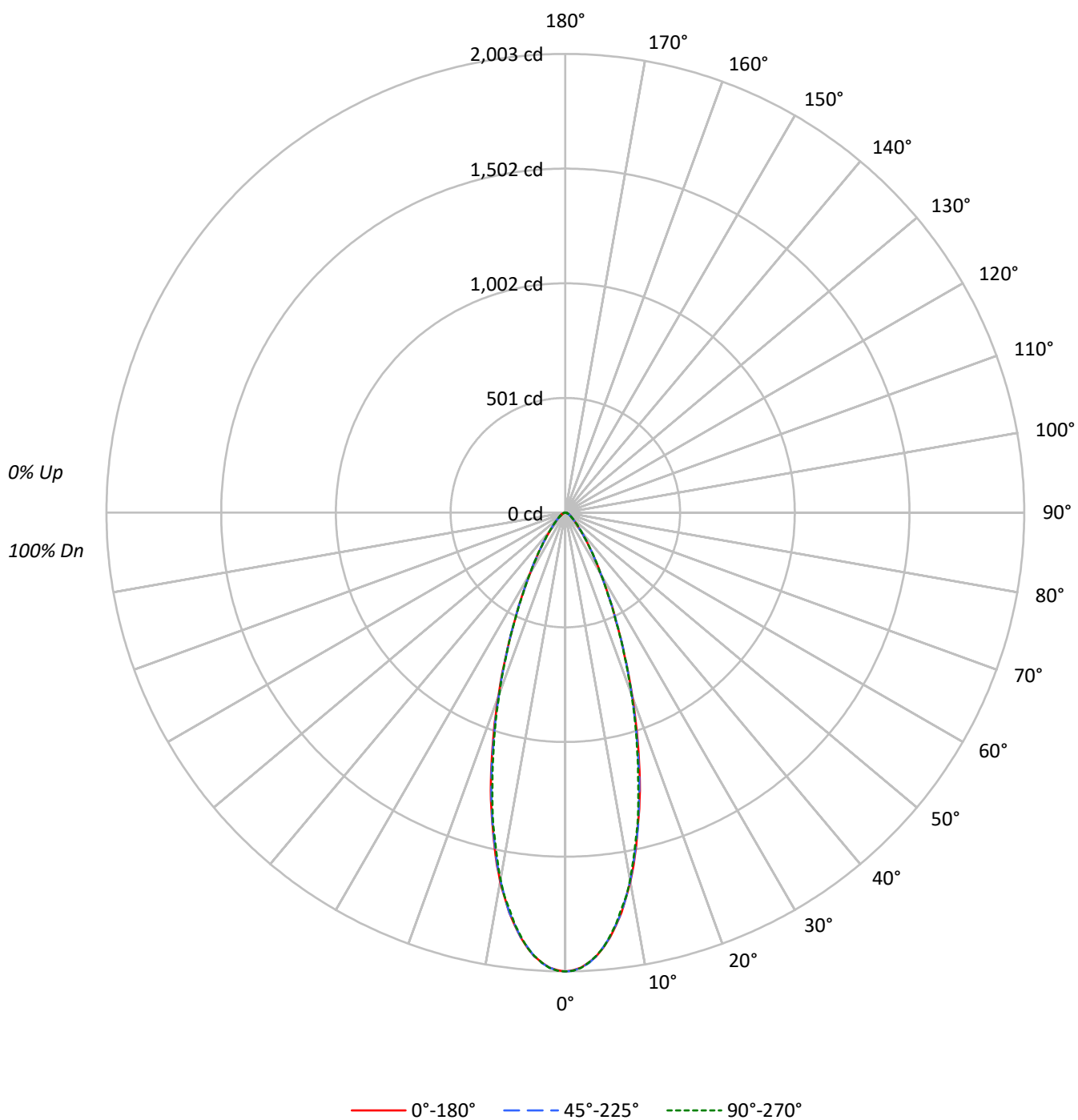
Lumens per Lamp: N/A
Luminaire Lumens: 988.0 lumens
Efficiency: N/A
Efficacy: 48.4 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	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	96	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°	345031	345031	345031
5°	329683	329113	329683
10°	286208	285263	284879
15°	224263	222516	219003
20°	156902	155491	154483
25°	99650	100277	99650
30°	61390	61827	61390
35°	37970	38202	38202
40°	24123	24371	24371
45°	16270	16538	16806
50°	11735	12030	12030
55°	9218	9218	9218
60°	7543	7543	7543
65°	6683	6683	6683
70°	6043	6043	6043
75°	5124	5124	5124
80°	4364	4364	4364
85°	2174	2174	4347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 16806 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.1	17.5
10°-20°	340.9	34.5
20°-30°	246.0	24.9
30°-40°	118.6	12.0
40°-50°	54.7	5.5
50°-60°	28.3	2.9
60°-70°	16.3	1.7
70°-80°	8.3	0.8
80°-90°	1.9	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°	760.0	76.9
0°-40°	878.5	88.9
0°-60°	961.5	97.3
0°-90°	988.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	988.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2003	2003	2003	2003	2003	
5°	1907	1911	1904	1905	1907	173
15°	1258	1256	1248	1242	1228	343
25°	524	526	528	528	524	246
35°	181	181	182	182	182	118
45°	67	68	68	69	69	54
55°	31	31	31	31	31	28
65°	16	16	16	16	16	16
75°	8	8	8	8	8	8
85°	1	1	1	1	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2003.4	2003.4	2003.4	2003.4	2003.4
1°	1997.9	2001.2	2000.1	2001.2	2000.1
2°	1988.0	1990.2	1988.0	1989.1	1989.1
3°	1967.2	1969.4	1969.4	1968.3	1967.2
4°	1942.1	1947.5	1942.1	1943.2	1939.9
5°	1907.0	1911.4	1903.7	1904.8	1907.0
6°	1864.3	1865.4	1863.2	1862.1	1860.0
7°	1815.1	1819.4	1811.8	1812.9	1810.7
8°	1762.5	1761.4	1761.4	1757.0	1750.5
9°	1699.0	1703.4	1696.8	1694.6	1695.7
10°	1636.6	1636.6	1631.2	1625.7	1629.0
11°	1565.5	1563.3	1560.0	1552.3	1550.1
12°	1487.7	1492.1	1482.3	1479.0	1471.3
13°	1407.8	1414.4	1410.0	1398.0	1399.1
14°	1333.4	1329.0	1325.7	1323.5	1315.9
15°	1257.8	1255.7	1248.0	1242.5	1228.3
17.5°	1050.9	1053.1	1038.9	1036.7	1031.2
20°	856.1	849.5	848.4	849.5	842.9
22.5°	675.4	682.0	674.4	675.4	671.1
25°	524.4	525.5	527.7	527.7	524.4
27.5°	407.2	407.2	405.1	407.2	404.0
30°	308.7	308.7	310.9	313.1	308.7
32.5°	238.7	238.7	238.7	239.7	240.8
35°	180.6	180.6	181.7	181.7	181.7
37.5°	139.0	140.1	141.2	141.2	141.2
40°	107.3	108.4	108.4	109.5	108.4
42.5°	85.4	85.4	85.4	86.5	86.5
45°	66.8	67.9	67.9	69.0	69.0
47.5°	54.7	54.7	54.7	55.8	55.8
50°	43.8	44.9	44.9	44.9	44.9
52.5°	36.1	36.1	37.2	37.2	37.2
55°	30.7	30.7	30.7	30.7	30.7
57.5°	25.2	26.3	26.3	26.3	26.3
60°	21.9	21.9	21.9	21.9	21.9
62.5°	18.6	18.6	18.6	18.6	18.6
65°	16.4	16.4	16.4	16.4	16.4
67.5°	13.1	14.2	14.2	14.2	14.2
70°	12.0	12.0	12.0	12.0	12.0
72.5°	8.8	9.9	9.9	9.9	9.9
75°	7.7	7.7	7.7	7.7	7.7
77.5°	6.6	5.5	5.5	5.5	6.6
80°	4.4	4.4	4.4	4.4	4.4
82.5°	3.3	3.3	3.3	3.3	3.3
85°	1.1	1.1	1.1	1.1	2.2
87.5°	0.0	0.0	0.0	1.1	1.1



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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)