

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: P1317289

Luminaire Tested: P3SQAS17R359830DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317289
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: P3SQAS17R359830DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

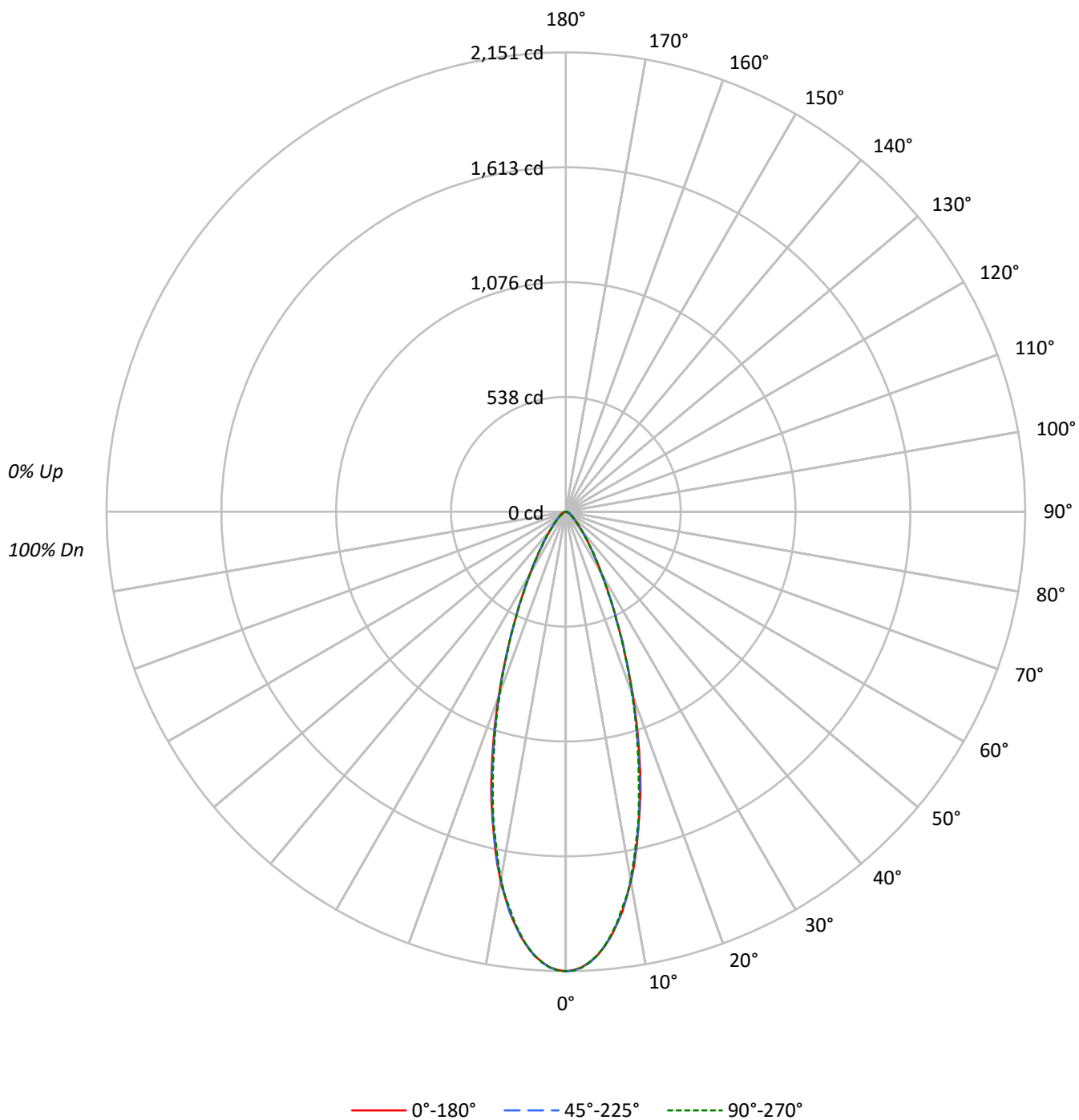
Lumens per Lamp: N/A
Luminaire Lumens: 1061.0 lumens
Efficiency: N/A
Efficacy: 52.0 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1317289

CATALOG NUMBER: P3SQAS17R359830DE010 E3SQPHL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1317289

CATALOG NUMBER: P3SQAS17R359830DE010 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	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°	370520	370520	370520
5°	354042	353437	354042
10°	307351	306336	305917
15°	240845	238955	235175
20°	168485	166982	165901
25°	107004	107669	107004
30°	65924	66401	65924
35°	40788	41040	41040
40°	25899	26169	26169
45°	17463	17755	18048
50°	12593	12914	12914
55°	9879	9879	9879
60°	8094	8094	8094
65°	7172	7172	7172
70°	6496	6496	6496
75°	5456	5456	5456
80°	4661	4661	4661
85°	2371	2371	4742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 18048 cd/sqm

TEST NUMBER: P1317289

CATALOG NUMBER: P3SQAS17R359830DE010 E3SQPHL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.9	17.5
10°-20°	366.1	34.5
20°-30°	264.1	24.9
30°-40°	127.4	12.0
40°-50°	58.7	5.5
50°-60°	30.4	2.9
60°-70°	17.5	1.7
70°-80°	8.9	0.8
80°-90°	2.1	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°	816.1	76.9
0°-40°	943.5	88.9
0°-60°	1032.5	97.3
0°-90°	1061.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1061.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2151	2151	2151	2151	2151	
5°	2048	2053	2044	2046	2048	186
15°	1351	1348	1340	1334	1319	368
25°	563	564	567	567	563	264
35°	194	194	195	195	195	127
45°	72	73	73	74	74	58
55°	33	33	33	33	33	30
65°	18	18	18	18	18	17
75°	8	8	8	8	8	9
85°	1	1	1	1	2	2
90°	0	0	0	0	0	

TEST NUMBER: P1317289

CATALOG NUMBER: P3SQAS17R359830DE010 E3SQPHL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2151.4	2151.4	2151.4	2151.4	2151.4
1°	2145.5	2149.0	2147.9	2149.0	2147.9
2°	2134.9	2137.3	2134.9	2136.1	2136.1
3°	2112.6	2114.9	2114.9	2113.8	2112.6
4°	2085.5	2091.4	2085.5	2086.7	2083.2
5°	2047.9	2052.6	2044.4	2045.6	2047.9
6°	2002.1	2003.3	2000.9	1999.7	1997.4
7°	1949.2	1953.9	1945.6	1946.8	1944.5
8°	1892.7	1891.6	1891.6	1886.9	1879.8
9°	1824.6	1829.3	1822.2	1819.9	1821.0
10°	1757.5	1757.5	1751.7	1745.8	1749.3
11°	1681.1	1678.8	1675.3	1667.0	1664.7
12°	1597.7	1602.4	1591.8	1588.3	1580.0
13°	1511.8	1518.9	1514.2	1501.3	1502.4
14°	1431.9	1427.2	1423.7	1421.3	1413.1
15°	1350.8	1348.4	1340.2	1334.3	1319.0
17.5°	1128.6	1130.9	1115.7	1113.3	1107.4
20°	919.3	912.3	911.1	912.3	905.2
22.5°	725.4	732.4	724.2	725.4	720.7
25°	563.1	564.3	566.6	566.6	563.1
27.5°	437.3	437.3	435.0	437.3	433.8
30°	331.5	331.5	333.9	336.2	331.5
32.5°	256.3	256.3	256.3	257.5	258.6
35°	194.0	194.0	195.2	195.2	195.2
37.5°	149.3	150.5	151.7	151.7	151.7
40°	115.2	116.4	116.4	117.6	116.4
42.5°	91.7	91.7	91.7	92.9	92.9
45°	71.7	72.9	72.9	74.1	74.1
47.5°	58.8	58.8	58.8	60.0	60.0
50°	47.0	48.2	48.2	48.2	48.2
52.5°	38.8	38.8	40.0	40.0	40.0
55°	32.9	32.9	32.9	32.9	32.9
57.5°	27.0	28.2	28.2	28.2	28.2
60°	23.5	23.5	23.5	23.5	23.5
62.5°	20.0	20.0	20.0	20.0	20.0
65°	17.6	17.6	17.6	17.6	17.6
67.5°	14.1	15.3	15.3	15.3	15.3
70°	12.9	12.9	12.9	12.9	12.9
72.5°	9.4	10.6	10.6	10.6	10.6
75°	8.2	8.2	8.2	8.2	8.2
77.5°	7.1	5.9	5.9	5.9	7.1
80°	4.7	4.7	4.7	4.7	4.7
82.5°	3.5	3.5	3.5	3.5	3.5
85°	1.2	1.2	1.2	1.2	2.4
87.5°	0.0	0.0	0.0	1.2	1.2



TEST NUMBER: P1317289

CATALOG NUMBER: P3SQAS17R359830DE010 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)