

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: P1315526

Luminaire Tested: P3SQAS17R359740DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315526
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: P3SQAS17R359740DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

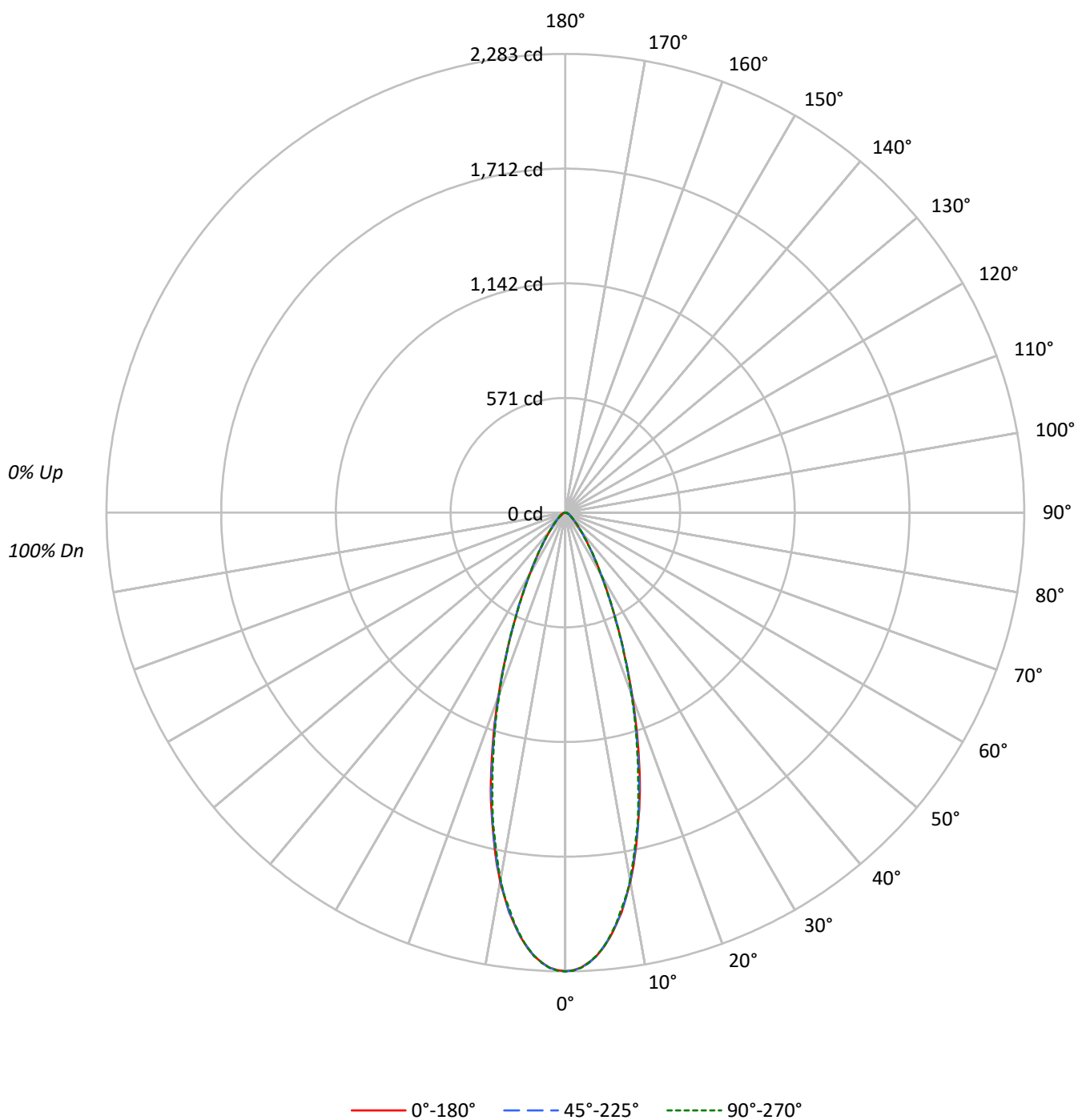
Lumens per Lamp: N/A
Luminaire Lumens: 1125.9 lumens
Efficiency: N/A
Efficacy: 53.1 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1315526

CATALOG NUMBER: P3SQAS17R359740DE010 E3SQPHL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1315526

CATALOG NUMBER: P3SQAS17R359740DE010 E3SQPHL1MW

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	108	106	111	109	106	104	105	103	101		101	99	98		97	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88	86	83	82
4	98	91	86	82	97	90	85	81	88	84	80		86	82	79		84	81	78	77
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80	77	74	73
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76	73	70	69
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73	69	66	65
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67	63	60	59
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	393219	393219	393219
5°	375738	375082	375738
10°	326185	325101	324664
15°	255590	253593	249599
20°	178822	177209	176073
25°	113560	114282	113560
30°	69961	70458	69961
35°	43289	43542	43542
40°	27496	27765	27765
45°	18535	18852	19144
50°	13370	13718	13718
55°	10479	10479	10479
60°	8611	8611	8611
65°	7621	7621	7621
70°	6899	6899	6899
75°	5789	5789	5789
80°	4959	4959	4959
85°	2371	2371	4940

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 19144 cd/sqm

TEST NUMBER: P1315526

CATALOG NUMBER: P3SQAS17R359740DE010 E3SQPHL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.3	17.5
10°-20°	388.5	34.5
20°-30°	280.3	24.9
30°-40°	135.1	12.0
40°-50°	62.3	5.5
50°-60°	32.2	2.9
60°-70°	18.6	1.7
70°-80°	9.4	0.8
80°-90°	2.2	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°	866.1	76.9
0°-40°	1001.2	88.9
0°-60°	1095.8	97.3
0°-90°	1125.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1125.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2283	2283	2283	2283	2283	
5°	2173	2178	2170	2171	2173	197
15°	1434	1431	1422	1416	1400	391
25°	598	599	601	601	598	280
35°	206	206	207	207	207	134
45°	76	77	77	79	79	62
55°	35	35	35	35	35	32
65°	19	19	19	19	19	18
75°	9	9	9	9	9	9
85°	1	1	1	1	2	2
90°	0	0	0	0	0	

TEST NUMBER: P1315526

CATALOG NUMBER: P3SQAS17R359740DE010 E3SQPHL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2283.2	2283.2	2283.2	2283.2	2283.2
1°	2276.9	2280.7	2279.4	2280.7	2279.4
2°	2265.7	2268.2	2265.7	2267.0	2267.0
3°	2242.0	2244.5	2244.5	2243.3	2242.0
4°	2213.3	2219.6	2213.3	2214.6	2210.8
5°	2173.4	2178.4	2169.6	2170.9	2173.4
6°	2124.7	2126.0	2123.5	2122.2	2119.7
7°	2068.6	2073.6	2064.8	2066.1	2063.6
8°	2008.7	2007.5	2007.5	2002.5	1995.0
9°	1936.3	1941.3	1933.8	1931.3	1932.6
10°	1865.2	1865.2	1859.0	1852.7	1856.5
11°	1784.1	1781.6	1777.9	1769.2	1766.7
12°	1695.5	1700.5	1689.3	1685.6	1676.8
13°	1604.5	1612.0	1607.0	1593.2	1594.5
14°	1519.6	1514.6	1510.9	1508.4	1499.7
15°	1433.5	1431.0	1422.3	1416.1	1399.9
17.5°	1197.7	1200.2	1184.0	1181.5	1175.3
20°	975.7	968.2	966.9	968.2	960.7
22.5°	769.8	777.3	768.5	769.8	764.8
25°	597.6	598.9	601.4	601.4	597.6
27.5°	464.1	464.1	461.6	464.1	460.4
30°	351.8	351.8	354.3	356.8	351.8
32.5°	272.0	272.0	272.0	273.2	274.5
35°	205.9	205.9	207.1	207.1	207.1
37.5°	158.5	159.7	160.9	160.9	160.9
40°	122.3	123.5	123.5	124.8	123.5
42.5°	97.3	97.3	97.3	98.6	98.6
45°	76.1	77.4	77.4	78.6	78.6
47.5°	62.4	62.4	62.4	63.6	63.6
50°	49.9	51.2	51.2	51.2	51.2
52.5°	41.2	41.2	42.4	42.4	42.4
55°	34.9	34.9	34.9	34.9	34.9
57.5°	28.7	29.9	29.9	29.9	29.9
60°	25.0	25.0	25.0	25.0	25.0
62.5°	21.2	21.2	21.2	21.2	21.2
65°	18.7	18.7	18.7	18.7	18.7
67.5°	15.0	16.2	16.2	16.2	16.2
70°	13.7	13.7	13.7	13.7	13.7
72.5°	10.0	11.2	11.2	11.2	11.2
75°	8.7	8.7	8.7	8.7	8.7
77.5°	7.5	6.2	6.2	6.2	7.5
80°	5.0	5.0	5.0	5.0	5.0
82.5°	3.7	3.7	3.7	3.7	3.7
85°	1.2	1.2	1.2	1.2	2.5
87.5°	0.0	0.0	0.0	1.2	1.2



TEST NUMBER: P1315526

CATALOG NUMBER: P3SQAS17R359740DE010 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)