

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: P#

Luminaire Tested: LDSQRT3D05R129027DE010 3LSQPHUSR1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: LDSQRT3D05R129027DE010 3LSQPHUSR1MW
Description: 3in Adjustable LED luminaire with, R12 optic, 2700K CCT AND, 90CRI , 3LSQPHUSR1MW TRIM
Light Source: -
Ballast/Driver: -

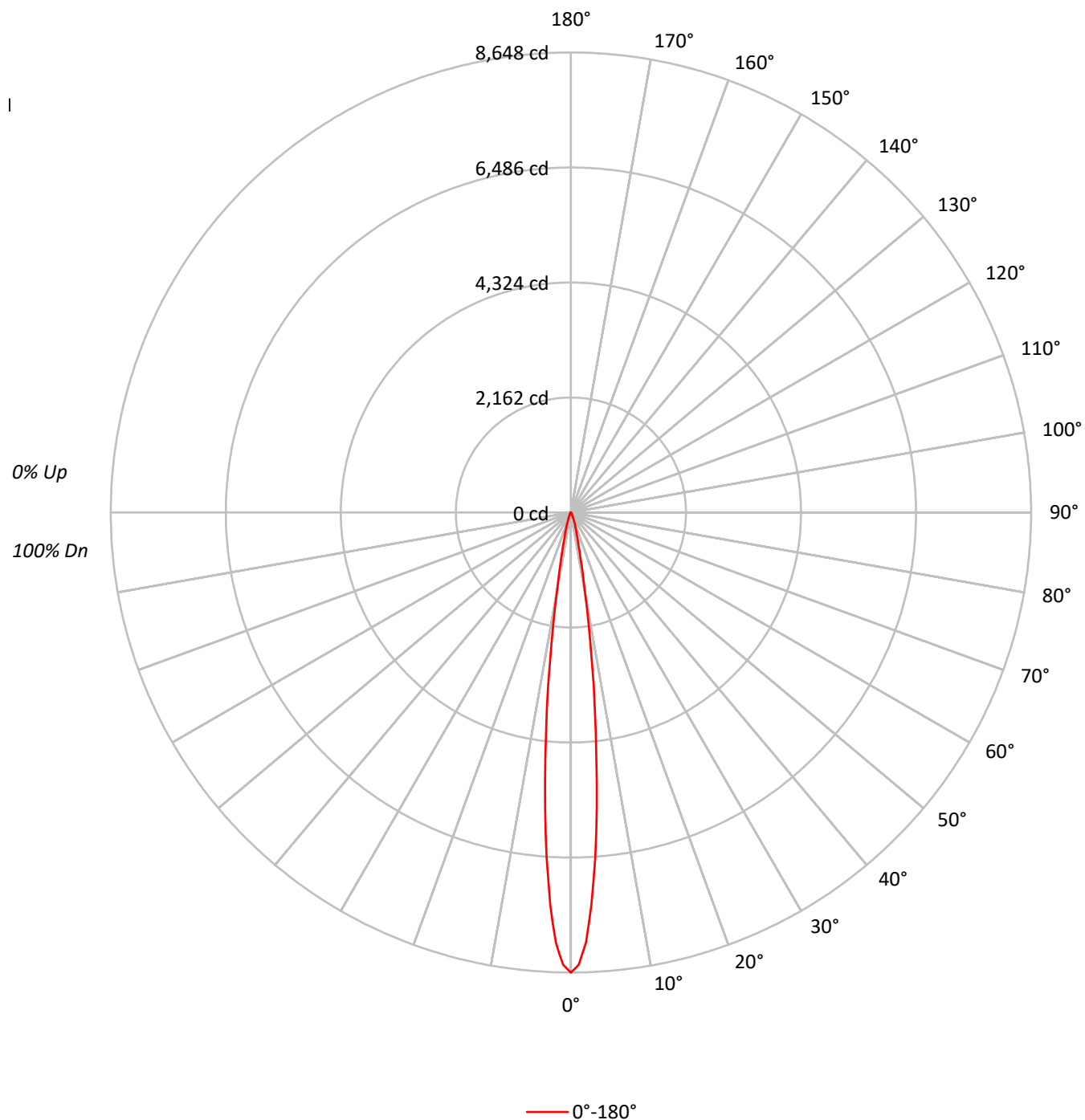
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 587.0 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.6
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: P#
CATALOG NUMBER: LDSQRT3D05R129027DE010 3LSQPHUSR1MW

Luminous Intensity Polar Plot



TEST NUMBER: P#

CATALOG NUMBER: LDSQRT3D05R129027DE010 3LSQPHUSR1MW

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	116	114	113	111	114	112	111	109	108	107	106		104	104	103		101
2	113	110	108	106	111	108	106	104	105	104	102		103	101	100		100
3	110	107	104	102	109	105	103	101	103	101	99		101	99	98		99
4	108	104	101	98	107	103	100	98	101	99	97		99	97	96		98
5	106	102	98	96	105	101	98	96	99	97	95		98	96	94		97
6	104	99	96	94	103	99	96	94	98	95	93		96	94	93		95
7	102	98	94	92	101	97	94	92	96	93	92		95	93	91		94
8	101	96	93	91	100	95	93	90	95	92	90		94	92	90		93
9	99	94	91	89	98	94	91	89	93	91	89		93	90	89		92
10	98	93	90	88	97	93	90	88	92	90	88		91	89	88		91

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1489364
5°	962322
10°	271518
15°	76775
20°	32092
25°	14214
30°	7259
35°	3826
40°	1641
45°	438
50°	482
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 50°

Luminance: 482 cd/sqm

TEST NUMBER: P#

CATALOG NUMBER: LDSQRT3D05R129027DE010 3LSQPHUSR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.2	66.8
10°-20°	142.3	24.2
20°-30°	38.1	6.5
30°-40°	12.0	2.0
40°-50°	2.2	0.4
50°-60°	0.2	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	572.6	97.5
0°-40°	584.5	99.6
0°-60°	587.0	100.0
0°-90°	587.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	587.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8648	
5°	5566	392
15°	431	142
25°	75	38
35°	18	12
45°	2	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LDSQRT3D05R129027DE010 3LSQPHUSR1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	8647.9
1°	8501.9
2°	8091.4
3°	7389.0
4°	6516.9
5°	5566.4
6°	4575.7
7°	3689.0
8°	2838.8
9°	2112.7
10°	1552.6
11°	1143.9
12°	861.1
13°	667.7
14°	529.1
15°	430.6
17.5°	273.7
20°	175.1
22.5°	113.1
25°	74.8
27.5°	51.1
30°	36.5
32.5°	25.5
35°	18.2
37.5°	12.8
40°	7.3
42.5°	3.6
45°	1.8
47.5°	1.8
50°	1.8
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0



TEST NUMBER: P#
CATALOG NUMBER: LDSQRT3D05R129027DE010 3LSQPHUSR1MW

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)