

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: PORTFOLIO

Report Number: P1315576

Luminaire Tested: LDSQA3D13R159735DE010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315576  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R159735DE010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

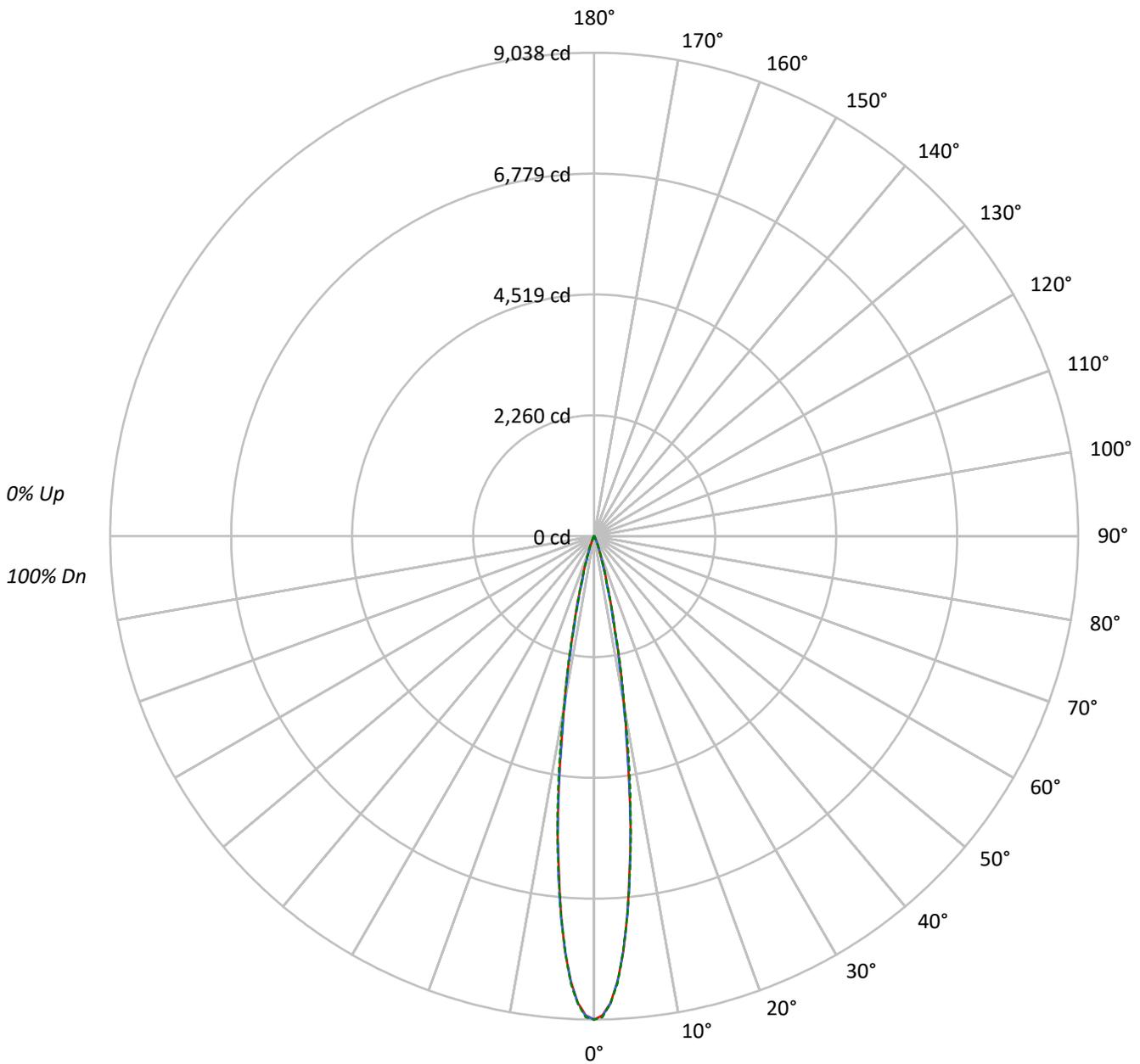
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 905.0 lumens  
Efficiency: N/A  
Efficacy: 62.0 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28  
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 (A<sub>in</sub>): 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: P1315576  
CATALOG NUMBER: LDSQA3D13R159735DE010 3LSQPHR1MW

### Luminous Intensity Polar Plot



0% Up  
100% Dn

— 0°-180°    - - 45°-225°    - - - 90°-270°



TEST NUMBER: P1315576

CATALOG NUMBER: LDSQA3D13R159735DE010 3LSQPHR1MW

**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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	93	93	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	89	89	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86	86

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1556583	1556583	1556583
5°	1227832	1231117	1226743
10°	561748	547023	573605
15°	167030	149111	163642
20°	49594	48110	52087
25°	14100	18224	16342
30°	5031	5409	4852
35°	1913	1703	1703
40°	809	405	607
45°	438	219	438
50°	241	0	241
55°	270	0	270
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 459 cd/sqm



TEST NUMBER: P1315576

CATALOG NUMBER: LDSQA3D13R159735DE010 3LSQPHR1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	546.1	60.3
10°-20°	303.2	33.5
20°-30°	48.3	5.3
30°-40°	6.3	0.7
40°-50°	0.9	0.1
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°	897.5	99.2
0°-40°	903.8	99.9
0°-60°	905.0	100.0
0°-90°	905.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	905.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9038	9038	9038	9038	9038	
5°	7102	7162	7121	7091	7096	545
15°	937	925	836	889	918	309
25°	74	83	96	95	86	45
35°	9	9	8	9	8	7
45°	2	1	1	1	2	2
55°	1	0	0	0	1	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1315576  
 CATALOG NUMBER: LDSQA3D13R159735DE010 3LSQPHR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	9038.2	9038.2	9038.2	9038.2	9038.2	9038.2	9038.2	9038.2	9038.2	9038.2	9038.2
1°	8960.4	8970.3	8983.0	8971.2	8960.4	8970.3	8956.7	8958.6	8947.7	8971.2	8997.5
2°	8732.3	8745.0	8737.7	8721.4	8746.8	8748.6	8720.5	8706.9	8705.1	8728.7	8737.7
3°	8328.6	8357.6	8358.5	8353.0	8344.9	8328.6	8299.6	8318.7	8292.4	8276.1	8368.4
4°	7791.9	7817.2	7847.1	7827.2	7767.5	7772.9	7791.9	7727.6	7731.3	7768.4	7771.1
5°	7102.2	7179.2	7182.8	7154.7	7107.6	7121.2	7107.6	7089.5	7095.9	7119.4	7095.9
6°	6290.4	6377.2	6313.0	6374.5	6361.0	6378.1	6382.7	6363.7	6377.2	6362.8	6358.2
7°	5588.9	5522.8	5531.9	5506.5	5533.7	5551.8	5562.7	5530.1	5556.3	5598.0	5609.7
8°	4719.1	4700.1	4681.1	4726.4	4713.7	4735.4	4749.0	4785.2	4783.4	4796.1	4837.7
9°	3891.0	3919.0	3936.2	3896.4	3930.8	3863.8	3887.3	3984.2	3958.9	3984.2	4058.4
10°	3212.2	3234.8	3209.4	3208.5	3172.3	3128.0	3125.3	3161.5	3237.5	3297.2	3280.0
12.5°	1772.2	1792.1	1794.8	1793.0	1727.8	1654.5	1668.1	1697.0	1744.1	1764.0	1796.6
15°	936.8	935.9	945.8	917.8	883.4	836.3	839.9	879.7	915.0	924.1	917.8
17.5°	480.6	482.4	489.7	482.4	446.2	450.7	460.7	465.2	486.0	494.2	489.7
20°	270.6	271.5	270.6	273.3	258.9	262.5	275.1	276.1	280.6	285.1	284.2
22.5°	154.8	155.7	161.1	159.3	155.7	160.2	162.9	167.4	169.3	167.4	172.9
25°	74.2	75.1	75.1	86.0	91.4	95.9	97.7	95.9	94.1	86.9	86.0
27.5°	42.5	42.5	44.3	45.3	47.1	55.2	54.3	45.3	38.0	38.0	38.9
30°	25.3	24.4	24.4	25.3	26.2	27.2	25.3	24.4	24.4	25.3	24.4
32.5°	15.4	15.4	15.4	14.5	14.5	13.6	13.6	15.4	15.4	15.4	15.4
35°	9.1	9.1	9.1	9.1	8.1	8.1	8.1	9.1	9.1	8.1	8.1
37.5°	5.4	5.4	5.4	4.5	4.5	3.6	4.5	4.5	4.5	4.5	4.5
40°	3.6	3.6	2.7	2.7	1.8	1.8	1.8	2.7	2.7	2.7	2.7
42.5°	2.7	2.7	1.8	1.8	0.9	0.9	0.9	1.8	1.8	1.8	1.8
45°	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8
47.5°	1.8	1.8	0.9	0.9	0.0	0.0	0.0	0.9	0.9	0.9	0.9
50°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
52.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
55°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)