

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: P1307109

Luminaire Tested: LDSQA3D13R159024DE010 3LSQPHR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307109  
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: LDSQA3D13R159024DE010 3LSQPHR1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , 3LSQPHR1MB TRIM  
Light Source: -  
Ballast/Driver: -

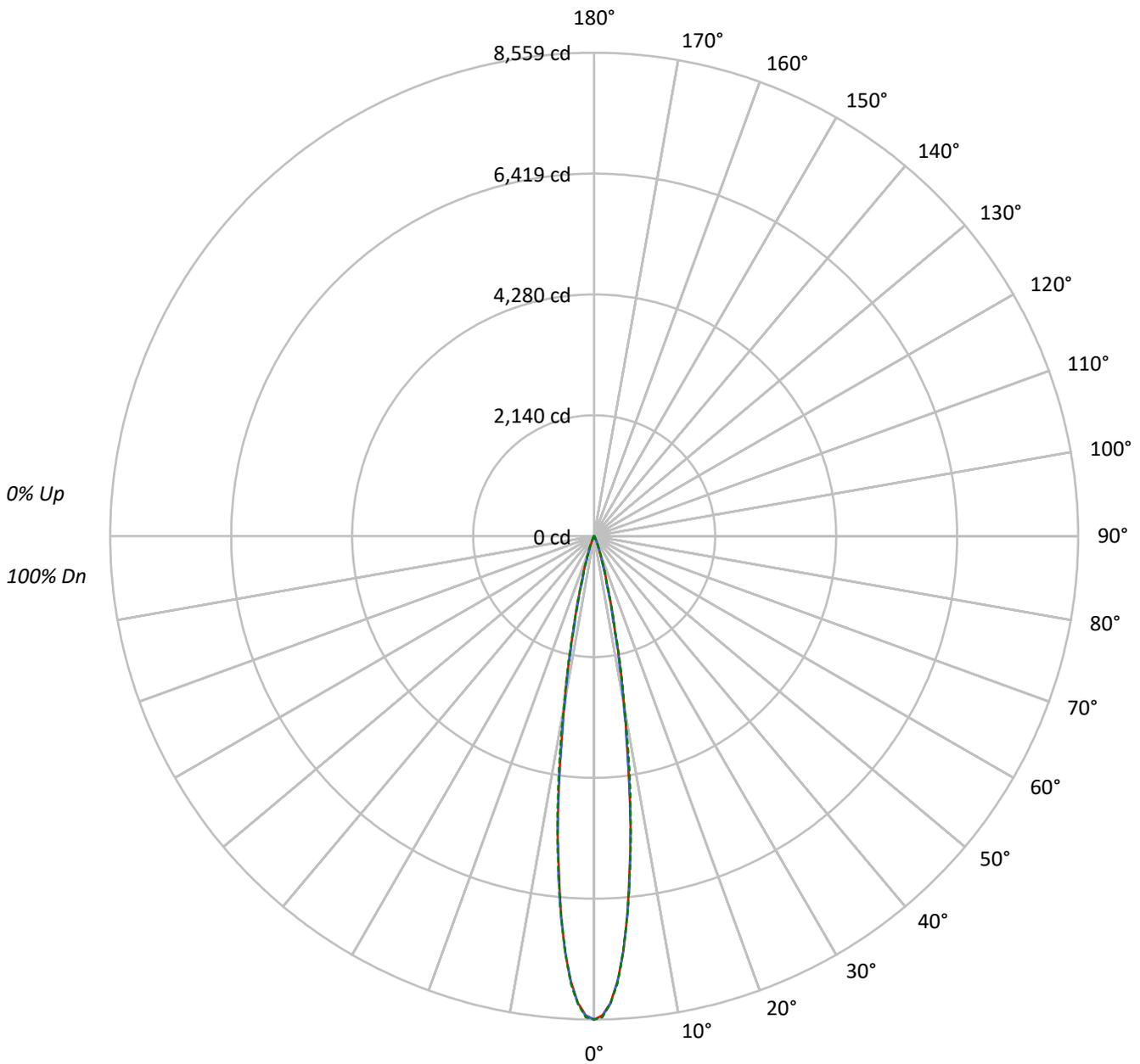
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 857.0 lumens  
Efficiency: N/A  
Efficacy: 58.7 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 (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: P1307109  
CATALOG NUMBER: LDSQA3D13R159024DE010 3LSQPHR1MB

### Luminous Intensity Polar Plot



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



TEST NUMBER: P1307109  
 CATALOG NUMBER: LDSQA3D13R159024DE010 3LSQPHR1MB

**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	103	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°	1474019	1474019	1474019
5°	1162708	1165820	1161671
10°	531948	518010	543193
15°	158168	141194	154959
20°	46974	45562	49319
25°	13359	17273	15468
30°	4773	5111	4594
35°	1808	1619	1619
40°	764	382	585
45°	414	219	414
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: 433 cd/sqm



TEST NUMBER: P1307109

CATALOG NUMBER: LDSQA3D13R159024DE010 3LSQPHR1MB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	517.1	60.3
10°-20°	287.1	33.5
20°-30°	45.7	5.3
30°-40°	6.0	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°	849.9	99.2
0°-40°	855.9	99.9
0°-60°	857.0	100.0
0°-90°	857.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	857.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8559	8559	8559	8559	8559	
5°	6726	6782	6744	6715	6720	516
15°	887	876	792	841	869	293
25°	70	79	91	90	81	43
35°	9	9	8	9	8	6
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: P1307109  
 CATALOG NUMBER: LDSQA3D13R159024DE010 3LSQPHR1MB

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8558.8	8558.8	8558.8	8558.8	8558.8	8558.8	8558.8	8558.8	8558.8	8558.8	8558.8
1°	8485.1	8494.5	8506.5	8495.4	8485.1	8494.5	8481.7	8483.4	8473.1	8495.4	8520.3
2°	8269.1	8281.1	8274.3	8258.8	8282.8	8284.6	8258.0	8245.1	8243.4	8265.7	8274.3
3°	7886.9	7914.3	7915.2	7910.0	7902.3	7886.9	7859.4	7877.4	7852.6	7837.2	7924.6
4°	7378.6	7402.6	7430.9	7412.0	7355.5	7360.6	7378.6	7317.8	7321.2	7356.3	7358.9
5°	6725.5	6798.4	6801.8	6775.2	6730.7	6743.5	6730.7	6713.5	6719.5	6741.8	6719.5
6°	5956.7	6039.0	5978.1	6036.4	6023.6	6039.9	6044.1	6026.1	6039.0	6025.3	6021.0
7°	5292.5	5229.9	5238.5	5214.5	5240.2	5257.3	5267.6	5236.8	5261.6	5301.1	5312.2
8°	4468.8	4450.8	4432.8	4475.7	4463.7	4484.3	4497.1	4531.4	4529.7	4541.7	4581.1
9°	3684.6	3711.2	3727.5	3689.7	3722.3	3658.9	3681.2	3772.9	3748.9	3772.9	3843.2
10°	3041.8	3063.2	3039.2	3038.4	3004.1	2962.1	2959.5	2993.8	3065.8	3122.4	3106.1
12.5°	1678.2	1697.0	1699.6	1697.9	1636.2	1566.7	1579.6	1607.0	1651.6	1670.5	1701.3
15°	887.1	886.2	895.7	869.1	836.5	791.9	795.4	833.1	866.5	875.1	869.1
17.5°	455.1	456.8	463.7	456.8	422.5	426.8	436.3	440.5	460.3	468.0	463.7
20°	256.3	257.1	256.3	258.8	245.1	248.6	260.6	261.4	265.7	270.0	269.1
22.5°	146.6	147.4	152.6	150.8	147.4	151.7	154.3	158.6	160.3	158.6	163.7
25°	70.3	71.1	71.1	81.4	86.6	90.9	92.6	90.9	89.1	82.3	81.4
27.5°	40.3	40.3	42.0	42.9	44.6	52.3	51.4	42.9	36.0	36.0	36.9
30°	24.0	23.1	23.1	24.0	24.9	25.7	24.0	23.1	23.1	24.0	23.1
32.5°	14.6	14.6	14.6	13.7	13.7	12.9	12.9	14.6	14.6	14.6	14.6
35°	8.6	8.6	8.6	8.6	7.7	7.7	7.7	8.6	8.6	7.7	7.7
37.5°	5.1	5.1	5.1	4.3	4.3	3.4	4.3	4.3	4.3	4.3	4.3
40°	3.4	3.4	2.6	2.6	1.7	1.7	1.7	2.6	2.6	2.6	2.6
42.5°	2.6	2.6	1.7	1.7	0.9	0.9	0.9	1.7	1.7	1.7	1.7
45°	1.7	1.7	1.7	0.9	0.9	0.9	0.9	0.9	0.9	1.7	1.7
47.5°	1.7	1.7	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)