

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: P1308078

Luminaire Tested: LDSQA3D13R159027DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308078  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R159027DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

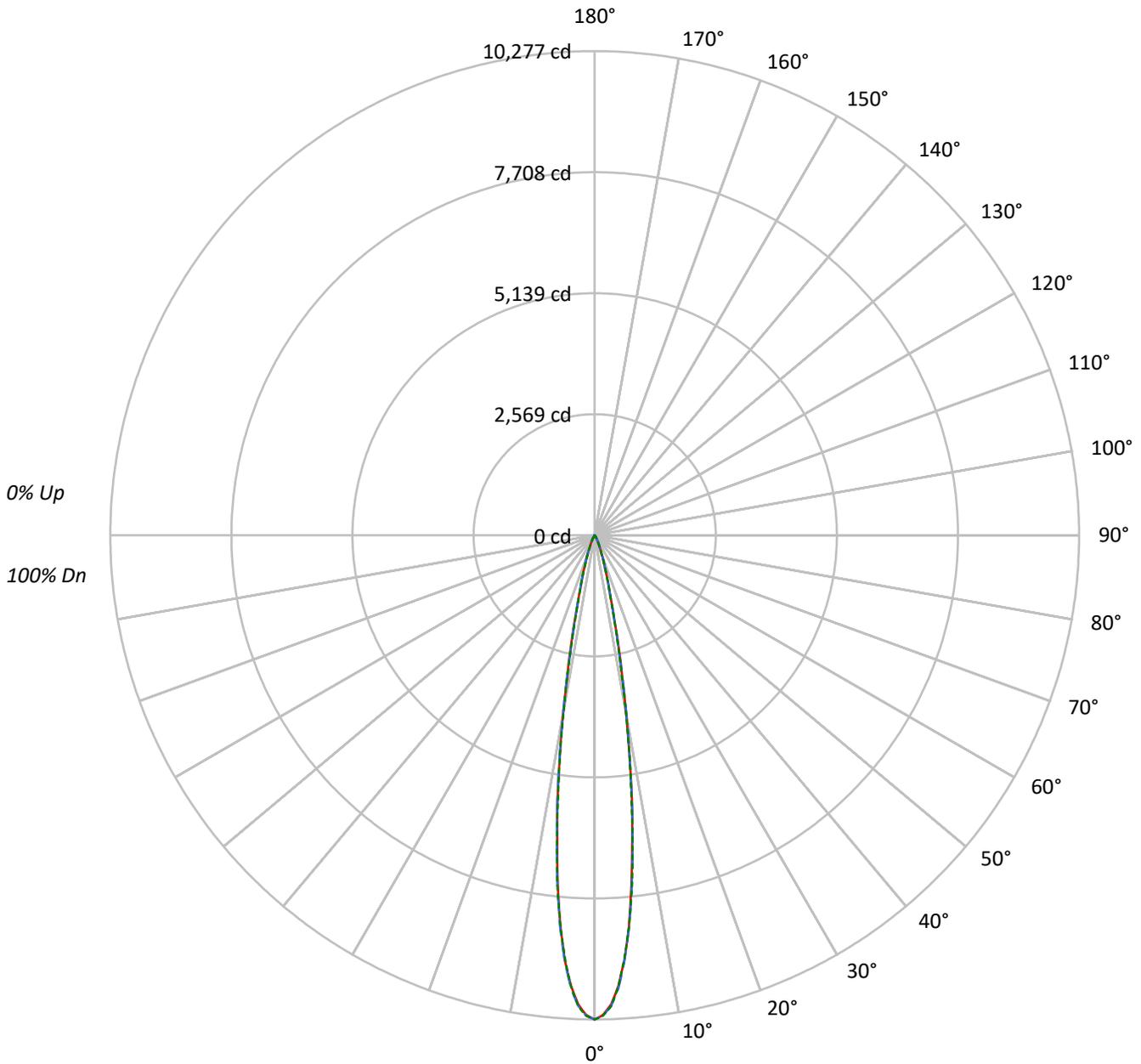
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1147.0 lumens  
Efficiency: N/A  
Efficacy: 78.6 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29  
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: P1308078  
CATALOG NUMBER: LDSQA3D13R159027DE010 3LSQCDR1MB

### Luminous Intensity Polar Plot



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



TEST NUMBER: P1308078  
 CATALOG NUMBER: LDSQA3D13R159027DE010 3LSQCDR1MB

**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	103	102	101	100	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	98	96	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	96	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	95	93	91	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	92	90	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	90	88	87	86
9	97	92	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	89	87	85	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	88	85	84	83

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

	0°	45°	90°
0°	1769949	1769949	1769949
5°	1441063	1445765	1442947
10°	672219	678252	669683
15°	211087	212870	211586
20°	83629	86964	80971
25°	33787	40856	32590
30°	13523	18574	12807
35°	4016	8200	3805
40°	1214	3058	1012
45°	219	658	219
50°	0	241	0
55°	0	0	0
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: 45°  
 Vertical Angle: 45°  
 Luminance: 658 cd/sqm



TEST NUMBER: P1308078

CATALOG NUMBER: LDSQA3D13R159027DE010 3LSQCDR1MB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	643.4	56.1
10°-20°	384.8	33.6
20°-30°	97.0	8.5
30°-40°	19.8	1.7
40°-50°	1.8	0.2
50°-60°	0.0	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°	1125.3	98.1
0°-40°	1145.1	99.8
0°-60°	1147.0	100.0
0°-90°	1147.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1147.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10277	10277	10277	10277	10277	
5°	8336	8320	8363	8342	8346	642
15°	1184	1194	1194	1177	1187	385
25°	178	194	215	190	172	91
35°	19	25	39	24	18	16
45°	1	2	3	2	1	1
55°	0	0	0	0	0	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: P1308078  
 CATALOG NUMBER: LDSQA3D13R159027DE010 3LSQCDR1MB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	10277.1	10277.1	10277.1	10277.1	10277.1
1°	10184.5	10219.0	10200.9	10215.4	10199.1
2°	9964.1	10010.4	9995.8	9991.3	10004.0
3°	9575.8	9629.3	9627.5	9613.9	9592.1
4°	9046.0	9024.2	9057.8	9054.1	9016.9
5°	8335.6	8320.2	8362.8	8342.0	8346.5
6°	7466.5	7533.6	7519.1	7520.9	7538.2
7°	6532.9	6569.2	6600.1	6625.5	6590.1
8°	5675.6	5666.5	5669.3	5698.3	5600.3
9°	4715.8	4772.0	4735.7	4677.7	4714.9
10°	3843.9	3878.4	3878.4	3827.6	3829.4
11°	3064.6	3092.7	3072.8	3085.5	3005.6
12°	2470.4	2400.5	2384.2	2396.9	2396.0
13°	1886.1	1890.7	1886.1	1885.2	1876.1
14°	1478.8	1502.4	1492.4	1467.9	1457.0
15°	1183.9	1193.9	1193.9	1176.7	1186.7
17.5°	711.3	723.1	725.8	714.0	714.0
20°	456.3	461.8	474.5	457.2	441.8
22.5°	281.2	293.0	314.8	289.4	276.7
25°	177.8	194.1	215.0	190.5	171.5
27.5°	111.6	125.2	143.3	119.8	108.0
30°	68.0	77.1	93.4	75.3	64.4
32.5°	38.1	45.4	59.0	43.5	36.3
35°	19.1	25.4	39.0	24.5	18.1
37.5°	10.9	13.6	24.5	11.8	10.0
40°	5.4	7.3	13.6	7.3	4.5
42.5°	1.8	3.6	5.4	3.6	1.8
45°	0.9	1.8	2.7	1.8	0.9
47.5°	0.0	0.0	0.9	0.0	0.0
50°	0.0	0.0	0.9	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1308078  
CATALOG NUMBER: LDSQA3D13R159027DE010 3LSQCDR1MB

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)