

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: P1308302

Luminaire Tested: LDSQA3D17R359027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308302  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R359027DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

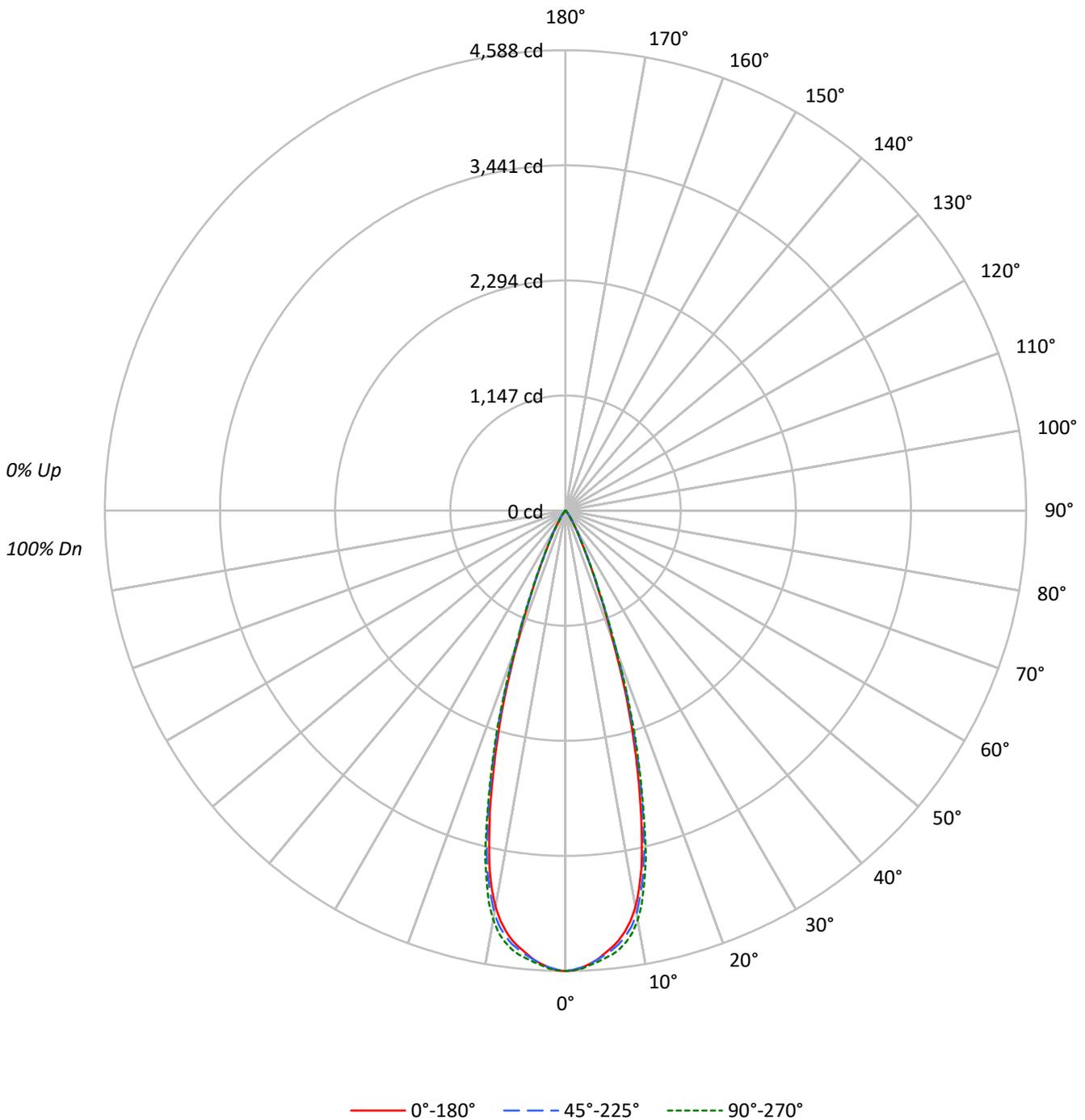
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1541.0 lumens  
Efficiency: N/A  
Efficacy: 72.7 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
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 (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: P1308302  
CATALOG NUMBER: LDSQA3D17R359027DE010 3LSQCDR1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1308302

CATALOG NUMBER: LDSQA3D17R359027DE010 3LSQCDR1MW

**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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	94	94	94	93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	83	81	78	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	81	78	76	75
9	88	81	77	74	88	81	77	74	80	76	74	79	76	74	79	76	73	79	76	73	72
10	86	79	75	72	85	78	74	72	78	74	71	77	74	71	76	73	71	76	73	71	70

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

	0°	45°	90°
0°	790089	790089	790089
5°	766708	769405	774608
10°	701337	713526	724456
15°	503424	521860	527227
20°	253232	268004	268664
25°	95982	98947	99403
30°	38978	44725	38262
35°	14149	21487	13645
40°	5958	9195	5688
45°	1461	3800	1461
50°	965	1608	965
55°	1081	1081	1081
60°	1240	1240	1240
65°	978	978	978
70°	604	604	604
75°	799	799	799
80°	1190	1190	1190
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3800 cd/sqm



TEST NUMBER: P1308302

CATALOG NUMBER: LDSQA3D17R359027DE010 3LSQCDR1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	414.8	26.9
10°-20°	772.7	50.1
20°-30°	277.9	18.0
30°-40°	58.4	3.8
40°-50°	10.0	0.7
50°-60°	3.3	0.2
60°-70°	2.4	0.2
70°-80°	1.3	0.1
80°-90°	0.2	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°	1465.4	95.1
0°-40°	1523.8	98.9
0°-60°	1537.1	99.8
0°-90°	1541.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1541.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4588	4588	4588	4588	4588	
5°	4435	4443	4450	4481	4481	411
15°	2824	2873	2927	2958	2957	751
25°	505	512	521	526	523	268
35°	67	79	102	78	65	51
45°	6	10	16	10	6	7
55°	4	4	4	4	4	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1308302

CATALOG NUMBER: LDSQA3D17R359027DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4587.6	4587.6	4587.6	4587.6	4587.6
1°	4585.2	4585.2	4575.6	4586.4	4582.8
2°	4559.9	4562.3	4556.3	4569.5	4568.3
3°	4525.0	4531.1	4526.2	4545.5	4539.5
4°	4487.8	4492.6	4490.2	4514.2	4511.8
5°	4434.9	4443.3	4450.5	4480.6	4480.6
6°	4380.7	4389.2	4404.8	4437.3	4448.1
7°	4318.2	4329.0	4354.3	4397.6	4404.8
8°	4238.8	4250.9	4285.7	4332.6	4342.3
9°	4140.2	4158.3	4198.0	4254.5	4260.5
10°	4010.4	4024.8	4080.1	4127.0	4142.6
11°	3842.0	3854.0	3903.3	3979.1	3988.7
12°	3637.6	3652.0	3715.8	3765.1	3774.7
13°	3379.1	3406.7	3483.7	3531.8	3558.2
14°	3113.3	3150.6	3205.9	3274.4	3257.6
15°	2823.5	2872.8	2926.9	2958.2	2957.0
17.5°	2112.8	2141.7	2189.8	2207.8	2231.9
20°	1381.7	1419.0	1462.3	1479.1	1465.9
22.5°	857.4	867.0	880.2	887.5	885.0
25°	505.1	512.3	520.7	525.5	523.1
27.5°	304.2	321.1	333.1	318.7	310.2
30°	196.0	203.2	224.9	205.6	192.4
32.5°	116.6	133.5	151.5	128.7	111.8
35°	67.3	79.4	102.2	78.2	64.9
37.5°	43.3	49.3	66.1	48.1	42.1
40°	26.5	33.7	40.9	31.3	25.3
42.5°	13.2	20.4	24.1	18.0	13.2
45°	6.0	9.6	15.6	9.6	6.0
47.5°	3.6	4.8	9.6	4.8	3.6
50°	3.6	3.6	6.0	3.6	3.6
52.5°	3.6	3.6	3.6	3.6	3.6
55°	3.6	3.6	3.6	3.6	3.6
57.5°	3.6	3.6	3.6	3.6	3.6
60°	3.6	3.6	3.6	3.6	3.6
62.5°	2.4	2.4	2.4	2.4	2.4
65°	2.4	2.4	2.4	2.4	2.4
67.5°	2.4	2.4	2.4	2.4	2.4
70°	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	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: P1308302  
CATALOG NUMBER: LDSQA3D17R359027DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)