

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: P1317625

Luminaire Tested: LDSQA3D17R309827DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317625  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R309827DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

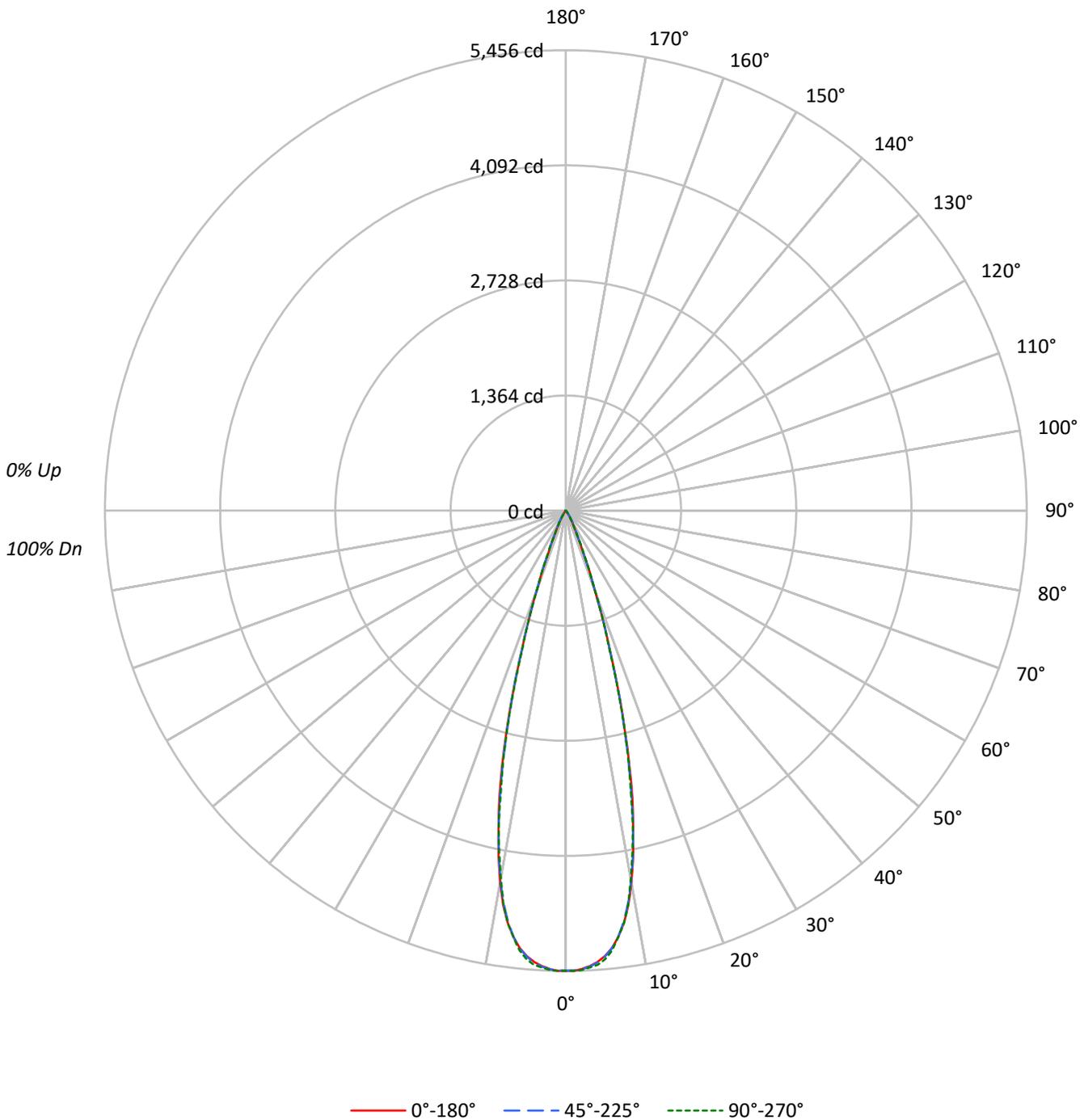
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1407.0 lumens  
Efficiency: N/A  
Efficacy: 69.0 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.4  
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: P1317625  
CATALOG NUMBER: LDSQA3D17R309827DE010 3LSQCDR1MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P1317625

CATALOG NUMBER: LDSQA3D17R309827DE010 3LSQCDR1MMS

**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	110	113	111	109	108	107	106	105	103	102	101	100	99	99	99	99	99	97
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	95	94	94	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	92	92	92	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	89	89	89	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	87	87	87	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	84	84	84	83
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	82	82	82	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	80	80	80	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	78	78	78	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	76	76	76	75

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

	0°	45°	90°
0°	939096	939096	939096
5°	916198	917339	922439
10°	782498	778861	774261
15°	482884	477232	478998
20°	182506	183514	183312
25°	56153	61550	58642
30°	22631	28716	23506
35°	6665	12194	6896
40°	2698	4924	2698
45°	536	1607	536
50°	0	295	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: 1607 cd/sqm



TEST NUMBER: P1317625

CATALOG NUMBER: LDSQA3D17R309827DE010 3LSQCDR1MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	480.9	34.2
10°-20°	712.1	50.6
20°-30°	176.6	12.6
30°-40°	33.2	2.4
40°-50°	4.2	0.3
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°	1369.6	97.3
0°-40°	1402.8	99.7
0°-60°	1407.0	100.0
0°-90°	1407.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1407.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5453	5453	5453	5453	5453	
5°	5300	5297	5306	5315	5336	481
15°	2708	2682	2677	2697	2686	716
25°	296	315	324	323	309	170
35°	32	42	58	43	33	27
45°	2	3	7	4	2	3
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: P1317625  
 CATALOG NUMBER: LDSQA3D17R309827DE010 3LSQCDR1MMS

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5452.8	5452.8	5452.8	5452.8	5452.8
1°	5455.0	5450.6	5450.6	5444.0	5456.1
2°	5435.3	5430.9	5438.6	5433.1	5448.4
3°	5405.7	5400.3	5411.2	5414.5	5422.1
4°	5362.0	5357.6	5369.6	5376.2	5397.0
5°	5299.6	5297.4	5306.2	5314.9	5335.7
6°	5214.2	5211.0	5216.4	5227.4	5240.5
7°	5090.6	5084.0	5088.4	5090.6	5093.9
8°	4934.1	4924.2	4918.8	4930.8	4937.4
9°	4732.8	4721.8	4709.8	4705.4	4720.7
10°	4474.5	4458.1	4453.7	4442.8	4427.4
11°	4174.7	4161.5	4158.3	4138.6	4129.8
12°	3831.1	3824.5	3832.2	3820.1	3815.7
13°	3501.7	3460.1	3454.6	3431.7	3419.6
14°	3112.1	3073.8	3072.7	3060.7	3077.1
15°	2708.3	2682.1	2676.6	2697.4	2686.5
17.5°	1726.8	1744.3	1739.9	1729.0	1710.4
20°	995.8	983.8	1001.3	1005.6	1000.2
22.5°	530.7	535.1	538.4	551.5	560.3
25°	295.5	315.2	323.9	322.8	308.6
27.5°	183.8	195.9	212.3	201.3	189.3
30°	113.8	123.7	144.4	124.7	118.2
32.5°	61.3	77.7	93.0	77.7	63.5
35°	31.7	41.6	58.0	42.7	32.8
37.5°	20.8	24.1	37.2	24.1	20.8
40°	12.0	15.3	21.9	15.3	12.0
42.5°	5.5	8.8	12.0	8.8	5.5
45°	2.2	3.3	6.6	4.4	2.2
47.5°	0.0	1.1	3.3	1.1	0.0
50°	0.0	0.0	1.1	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: P1317625  
CATALOG NUMBER: LDSQA3D17R309827DE010 3LSQCDR1MMS

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)