

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: P1307156

Luminaire Tested: LDSQA3D13R309024DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307156  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R309024DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

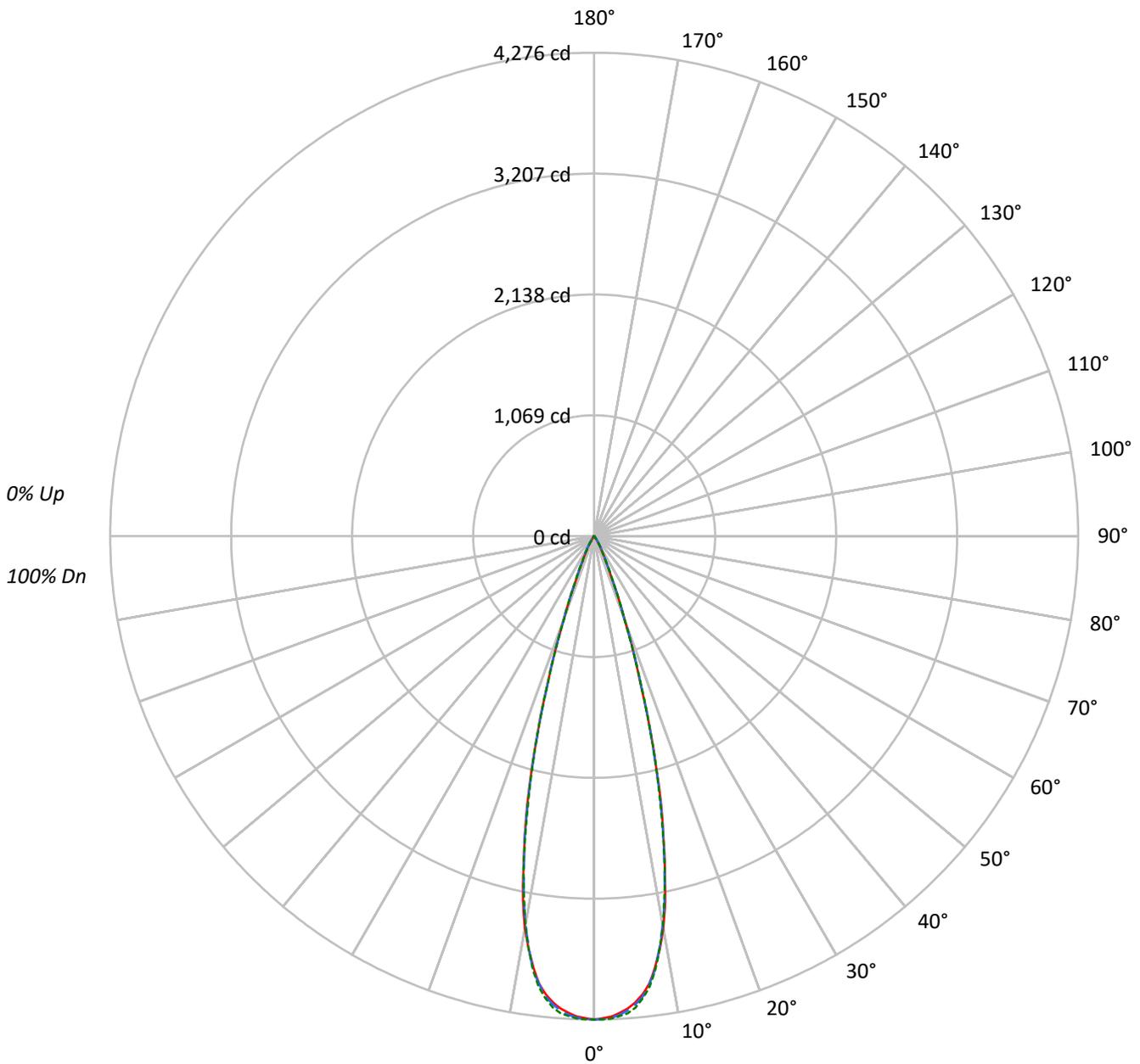
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1112.0 lumens  
Efficiency: N/A  
Efficacy: 76.2 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): 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: P1307156  
CATALOG NUMBER: LDSQA3D13R309024DE010 3LSQCDR1MW

### Luminous Intensity Polar Plot



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



TEST NUMBER: P1307156

CATALOG NUMBER: LDSQA3D13R309024DE010 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	100	99	98	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95	94
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	93	92	91
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	90	89	88
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	87	86	85
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	85	84	83	82
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	83	82	81	80
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	81	80	79	78
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78	77	76	75
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76	75	74	73
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74	73	72	71

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

	0°	45°	90°
0°	736355	736355	736355
5°	716192	719304	723747
10°	615855	610592	611204
15°	378420	375353	375656
20°	144018	144329	141654
25°	45815	48248	45967
30°	18415	22870	18932
35°	5950	10092	5950
40°	2698	4429	2698
45°	1047	1875	1047
50°	455	911	455
55°	510	510	510
60°	586	586	586
65°	367	367	367
70°	453	453	453
75°	599	599	599
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1875 cd/sqm



TEST NUMBER: P1307156

CATALOG NUMBER: LDSQA3D13R309024DE010 3LSQCDR1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	377.1	33.9
10°-20°	559.5	50.3
20°-30°	139.0	12.5
30°-40°	27.7	2.5
40°-50°	5.1	0.5
50°-60°	1.6	0.1
60°-70°	1.2	0.1
70°-80°	0.8	0.1
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°	1075.7	96.7
0°-40°	1103.4	99.2
0°-60°	1110.0	99.8
0°-90°	1112.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1112.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4276	4276	4276	4276	4276	
5°	4143	4156	4161	4167	4186	377
15°	2122	2127	2105	2112	2107	562
25°	241	246	254	250	242	135
35°	28	37	48	36	28	23
45°	4	5	8	6	4	4
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1307156  
 CATALOG NUMBER: LDSQA3D13R309024DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4275.6	4275.6	4275.6	4275.6	4275.6
1°	4266.2	4271.3	4274.8	4274.8	4274.8
2°	4254.2	4257.6	4262.8	4263.6	4270.5
3°	4225.9	4233.6	4242.2	4247.3	4250.7
4°	4191.6	4201.8	4207.0	4219.9	4231.0
5°	4142.7	4156.4	4160.7	4166.7	4186.4
6°	4076.6	4086.9	4095.5	4098.0	4110.1
7°	3989.1	3994.2	3992.5	3996.8	4018.3
8°	3856.1	3857.8	3872.4	3863.0	3877.6
9°	3698.3	3691.4	3688.0	3694.8	3695.7
10°	3521.6	3498.4	3491.5	3485.5	3495.0
11°	3292.5	3262.5	3265.1	3263.3	3249.6
12°	3007.7	3004.3	2982.0	2986.2	3006.8
13°	2716.9	2722.9	2718.6	2723.7	2700.6
14°	2444.1	2414.9	2422.6	2393.5	2404.6
15°	2122.4	2126.7	2105.2	2112.1	2106.9
17.5°	1358.9	1368.3	1361.4	1355.4	1364.9
20°	785.8	785.0	787.5	779.8	772.9
22.5°	413.5	419.5	427.2	428.1	433.2
25°	241.1	246.2	253.9	250.5	241.9
27.5°	147.6	157.0	169.0	160.4	150.1
30°	92.6	100.4	115.0	101.2	95.2
32.5°	52.3	63.5	75.5	63.5	52.3
35°	28.3	36.9	48.0	36.0	28.3
37.5°	18.9	21.4	31.7	21.4	18.9
40°	12.0	14.6	19.7	14.6	12.0
42.5°	6.9	9.4	11.2	9.4	6.9
45°	4.3	5.1	7.7	6.0	4.3
47.5°	1.7	2.6	5.1	2.6	2.6
50°	1.7	1.7	3.4	1.7	1.7
52.5°	1.7	1.7	1.7	1.7	1.7
55°	1.7	1.7	1.7	1.7	1.7
57.5°	1.7	1.7	1.7	1.7	1.7
60°	1.7	1.7	1.7	1.7	1.7
62.5°	1.7	1.7	1.7	1.7	1.7
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9
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: P1307156  
CATALOG NUMBER: LDSQA3D13R309024DE010 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)