

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: P1313570

Luminaire Tested: LDSQA3D09R559727DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313570  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R559727DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

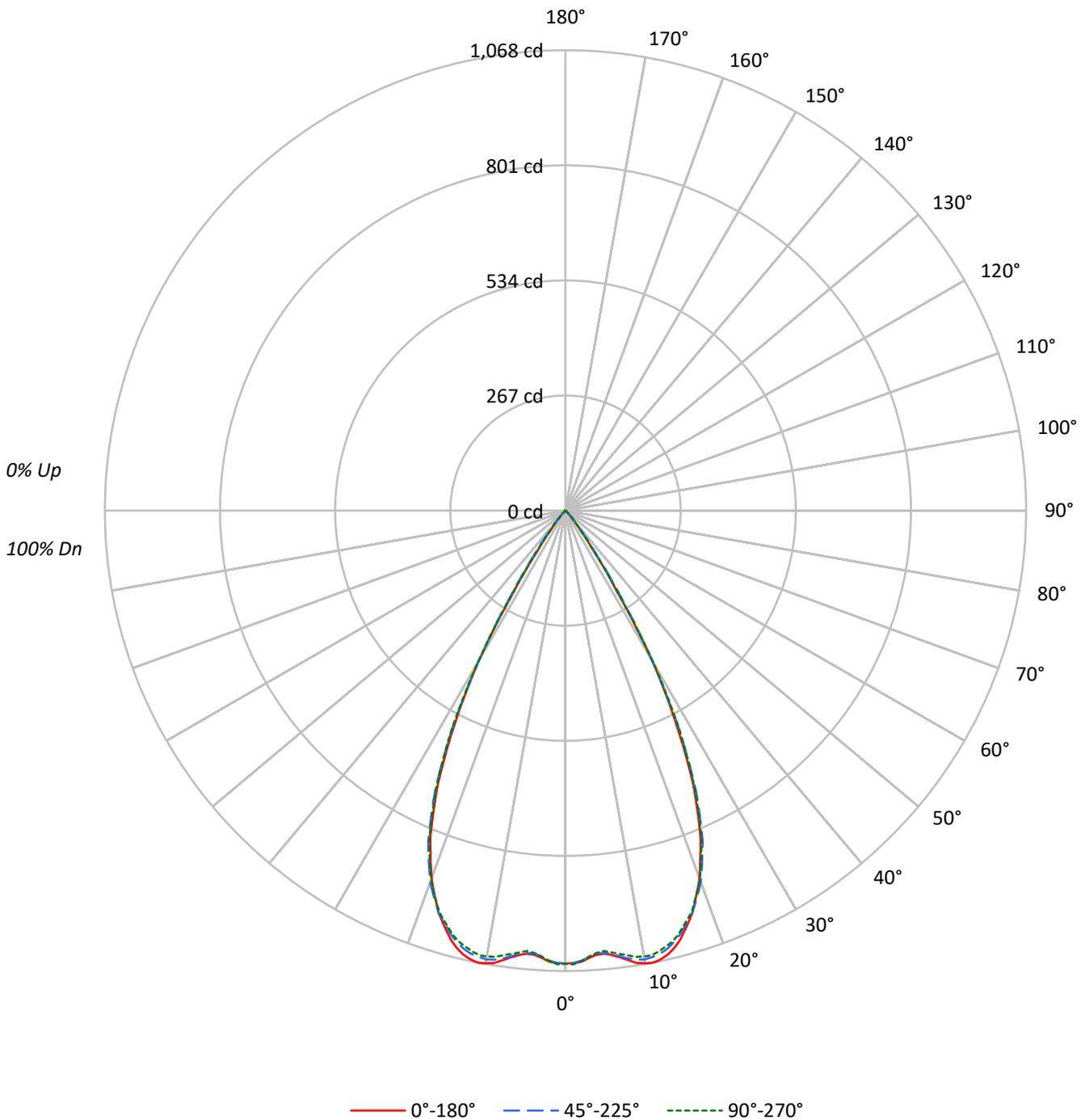
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 805.9 lumens  
Efficiency: N/A  
Efficacy: 72.6 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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: P1313570  
CATALOG NUMBER: LDSQA3D09R559727DE010 3LSQCDR1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1313570

CATALOG NUMBER: LDSQA3D09R559727DE010 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	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

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

	0°	45°	90°
0°	181006	181006	181006
5°	178413	178101	177254
10°	186491	184883	183693
15°	183576	181935	181169
20°	166451	168137	166909
25°	133114	135907	134634
30°	79825	79825	80799
35°	23064	27311	23842
40°	6610	8948	6610
45°	1486	3434	1486
50°	670	1152	482
55°	540	540	540
60°	620	620	620
65°	489	489	489
70°	604	604	604
75°	399	399	399
80°	595	595	595
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3434 cd/sqm



TEST NUMBER: P1313570

CATALOG NUMBER: LDSQA3D09R559727DE010 3LSQCDR1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.6	12.4
10°-20°	284.0	35.2
20°-30°	312.9	38.8
30°-40°	95.7	11.9
40°-50°	9.5	1.2
50°-60°	1.7	0.2
60°-70°	1.4	0.2
70°-80°	0.8	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°	696.6	86.4
0°-40°	792.4	98.3
0°-60°	803.6	99.7
0°-90°	805.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	805.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1051	1051	1051	1051	1051	
5°	1032	1032	1030	1027	1025	100
15°	1030	1028	1020	1016	1016	285
25°	700	707	715	722	708	309
35°	110	115	130	120	113	90
45°	6	9	14	9	6	7
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: P1313570  
 CATALOG NUMBER: LDSQA3D09R559727DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1051.0	1051.0	1051.0	1051.0	1051.0
1°	1049.8	1050.4	1049.8	1048.6	1052.9
2°	1047.4	1046.8	1044.9	1044.3	1046.1
3°	1039.4	1039.4	1036.9	1035.7	1036.3
4°	1033.3	1033.3	1029.6	1028.4	1029.0
5°	1032.0	1032.0	1030.2	1027.1	1025.3
6°	1036.9	1038.2	1033.9	1030.8	1030.8
7°	1044.3	1044.9	1041.9	1037.6	1036.3
8°	1053.5	1054.1	1049.2	1044.3	1041.9
9°	1062.7	1061.5	1054.7	1049.8	1048.0
10°	1066.4	1065.8	1057.2	1052.3	1050.4
11°	1068.2	1065.1	1055.3	1051.0	1050.4
12°	1063.9	1061.5	1051.0	1046.8	1044.9
13°	1056.6	1052.9	1044.3	1040.0	1037.6
14°	1044.9	1041.2	1033.3	1028.4	1029.0
15°	1029.6	1027.8	1020.4	1016.1	1016.1
17.5°	978.7	980.0	978.1	976.3	975.1
20°	908.2	913.2	917.4	915.0	910.7
22.5°	818.2	826.7	831.6	832.9	824.9
25°	700.5	707.2	715.2	721.9	708.5
27.5°	554.0	560.1	567.5	571.8	570.0
30°	401.4	402.0	401.4	409.4	406.3
32.5°	223.1	241.5	244.5	250.0	230.4
35°	109.7	115.2	129.9	119.5	113.4
37.5°	52.7	56.4	70.5	57.6	55.2
40°	29.4	31.9	39.8	33.1	29.4
42.5°	14.1	18.4	21.4	19.0	14.1
45°	6.1	9.2	14.1	9.2	6.1
47.5°	2.5	3.7	8.6	3.7	2.5
50°	2.5	1.8	4.3	1.8	1.8
52.5°	1.8	1.8	2.5	1.8	1.8
55°	1.8	1.8	1.8	1.8	1.8
57.5°	1.8	1.8	1.8	1.8	1.8
60°	1.8	1.8	1.8	1.8	1.8
62.5°	1.2	1.8	1.8	1.8	1.2
65°	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2
72.5°	0.6	1.2	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.6	0.6	0.6
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6
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: P1313570  
CATALOG NUMBER: LDSQA3D09R559727DE010 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)