

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: P1316161

Luminaire Tested: LDSQA3D02R559740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316161  
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: LDSQA3D02R559740DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

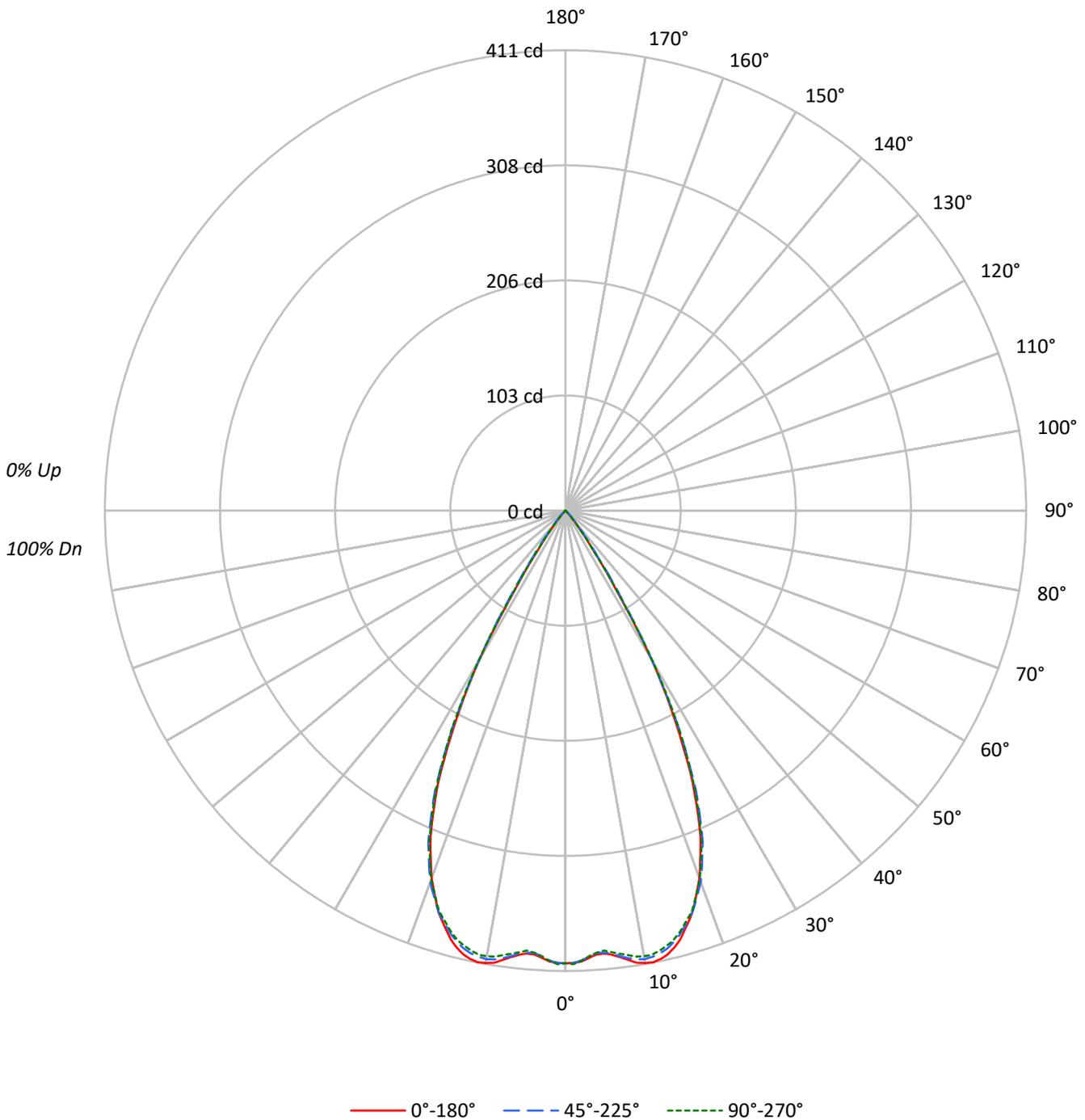
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 310.0 lumens  
Efficiency: N/A  
Efficacy: 86.1 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): 3.6  
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: P1316161  
CATALOG NUMBER: LDSQA3D02R559740DE010 3LSQCDR1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1316161

CATALOG NUMBER: LDSQA3D02R559740DE010 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	80	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°	69612	69612	69612
5°	68616	68495	68167
10°	71718	71106	70651
15°	70606	69982	69679
20°	64018	64678	64201
25°	51193	52276	51782
30°	30705	30705	31083
35°	8872	10512	9167
40°	2540	3440	2540
45°	585	1315	585
50°	241	429	188
55°	210	210	210
60°	241	241	241
65°	204	204	204
70°	252	252	252
75°	133	133	133
80°	198	198	198
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1315 cd/sqm



TEST NUMBER: P1316161

CATALOG NUMBER: LDSQA3D02R559740DE010 3LSQCDR1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.3	12.4
10°-20°	109.2	35.2
20°-30°	120.4	38.8
30°-40°	36.8	11.9
40°-50°	3.6	1.2
50°-60°	0.7	0.2
60°-70°	0.6	0.2
70°-80°	0.3	0.1
80°-90°	0.1	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°	267.9	86.4
0°-40°	304.8	98.3
0°-60°	309.1	99.7
0°-90°	310.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	310.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	404	404	404	404	404	
5°	397	397	396	395	394	38
15°	396	395	392	391	391	110
25°	269	272	275	278	272	119
35°	42	44	50	46	44	35
45°	2	4	5	4	2	3
55°	1	1	1	1	1	1
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1316161

CATALOG NUMBER: LDSQA3D02R559740DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	404.2	404.2	404.2	404.2	404.2
1°	403.8	404.0	403.8	403.3	405.0
2°	402.8	402.6	401.9	401.7	402.4
3°	399.8	399.8	398.8	398.4	398.6
4°	397.4	397.4	396.0	395.5	395.8
5°	396.9	396.9	396.2	395.1	394.3
6°	398.8	399.3	397.6	396.5	396.5
7°	401.7	401.9	400.7	399.1	398.6
8°	405.2	405.4	403.5	401.7	400.7
9°	408.7	408.3	405.7	403.8	403.1
10°	410.1	409.9	406.6	404.7	404.0
11°	410.8	409.7	405.9	404.2	404.0
12°	409.2	408.3	404.2	402.6	401.9
13°	406.4	405.0	401.7	400.0	399.1
14°	401.9	400.5	397.4	395.5	395.8
15°	396.0	395.3	392.5	390.8	390.8
17.5°	376.4	376.9	376.2	375.5	375.0
20°	349.3	351.2	352.9	351.9	350.3
22.5°	314.7	318.0	319.9	320.3	317.3
25°	269.4	272.0	275.1	277.7	272.5
27.5°	213.1	215.4	218.3	219.9	219.2
30°	154.4	154.6	154.4	157.5	156.3
32.5°	85.8	92.9	94.0	96.2	88.6
35°	42.2	44.3	50.0	46.0	43.6
37.5°	20.3	21.7	27.1	22.2	21.2
40°	11.3	12.3	15.3	12.7	11.3
42.5°	5.4	7.1	8.2	7.3	5.4
45°	2.4	3.5	5.4	3.5	2.4
47.5°	0.9	1.4	3.3	1.4	0.9
50°	0.9	0.7	1.6	0.7	0.7
52.5°	0.7	0.7	0.9	0.7	0.7
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	0.7
60°	0.7	0.7	0.7	0.7	0.7
62.5°	0.5	0.7	0.7	0.7	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.2	0.5	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2
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: P1316161  
CATALOG NUMBER: LDSQA3D02R559740DE010 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)