

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: P1316957

Luminaire Tested: LDSQA3D20R559740D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316957  
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: LDSQA3D20R559740D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

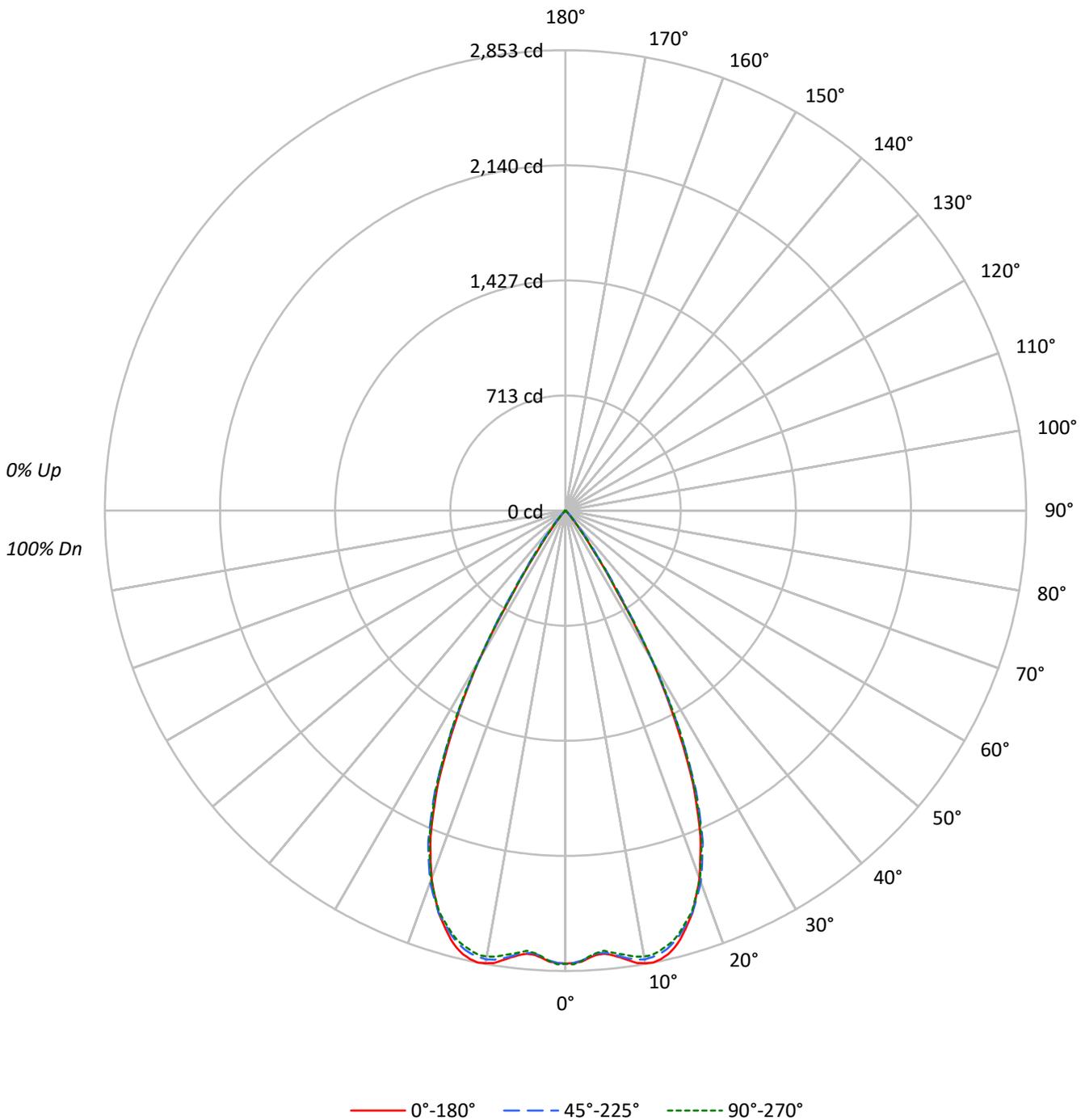
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2153.0 lumens  
Efficiency: N/A  
Efficacy: 74.8 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): 28.8  
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: P1316957  
CATALOG NUMBER: LDSQA3D20R559740D010 3LSQCDR1MW

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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°	483532	483532	483532
5°	476597	475750	473485
10°	498144	493842	490694
15°	490373	485987	483954
20°	444645	449153	445854
25°	355578	363046	359606
30°	213244	213244	215849
35°	61602	72976	63683
40°	17671	23921	17671
45°	3994	9182	3994
50°	1742	3081	1313
55°	1471	1471	1471
60°	1688	1688	1688
65°	1345	1345	1345
70°	1662	1662	1662
75°	1065	1065	1065
80°	1587	1587	1587
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 9182 cd/sqm



TEST NUMBER: P1316957

CATALOG NUMBER: LDSQA3D20R559740D010 3LSQCDR1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	266.2	12.4
10°-20°	758.7	35.2
20°-30°	835.9	38.8
30°-40°	255.7	11.9
40°-50°	25.3	1.2
50°-60°	4.7	0.2
60°-70°	3.8	0.2
70°-80°	2.0	0.1
80°-90°	0.7	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°	1860.9	86.4
0°-40°	2116.6	98.3
0°-60°	2146.5	99.7
0°-90°	2153.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2153.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2808	2808	2808	2808	2808	
5°	2757	2757	2752	2744	2739	267
15°	2750	2745	2726	2714	2714	762
25°	1871	1889	1910	1928	1892	824
35°	293	308	347	319	303	240
45°	16	25	38	25	16	19
55°	5	5	5	5	5	5
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



TEST NUMBER: P1316957

CATALOG NUMBER: LDSQA3D20R559740D010 3LSQCDR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2807.6	2807.6	2807.6	2807.6	2807.6
1°	2804.3	2805.9	2804.3	2801.0	2812.5
2°	2797.7	2796.1	2791.2	2789.6	2794.5
3°	2776.5	2776.5	2769.9	2766.6	2768.3
4°	2760.1	2760.1	2750.3	2747.0	2748.6
5°	2756.8	2756.8	2751.9	2743.7	2738.8
6°	2769.9	2773.2	2761.7	2753.5	2753.5
7°	2789.6	2791.2	2783.0	2771.6	2768.3
8°	2814.1	2815.8	2802.7	2789.6	2783.0
9°	2838.7	2835.4	2817.4	2804.3	2799.4
10°	2848.5	2846.9	2823.9	2810.8	2805.9
11°	2853.4	2845.2	2819.0	2807.6	2805.9
12°	2841.9	2835.4	2807.6	2796.1	2791.2
13°	2822.3	2812.5	2789.6	2778.1	2771.6
14°	2791.2	2781.4	2760.1	2747.0	2748.6
15°	2750.3	2745.4	2725.7	2714.3	2714.3
17.5°	2614.4	2617.7	2612.8	2607.8	2604.6
20°	2426.1	2439.2	2450.7	2444.1	2432.7
22.5°	2185.5	2208.4	2221.5	2224.8	2203.5
25°	1871.2	1889.2	1910.5	1928.5	1892.4
27.5°	1479.9	1496.3	1515.9	1527.4	1522.5
30°	1072.3	1073.9	1072.3	1093.6	1085.4
32.5°	595.9	645.0	653.2	667.9	615.5
35°	293.0	307.8	347.1	319.2	302.9
37.5°	140.8	150.6	188.3	153.9	147.3
40°	78.6	85.1	106.4	88.4	78.6
42.5°	37.7	49.1	57.3	50.7	37.7
45°	16.4	24.6	37.7	24.6	16.4
47.5°	6.5	9.8	22.9	9.8	6.5
50°	6.5	4.9	11.5	4.9	4.9
52.5°	4.9	4.9	6.5	4.9	4.9
55°	4.9	4.9	4.9	4.9	4.9
57.5°	4.9	4.9	4.9	4.9	4.9
60°	4.9	4.9	4.9	4.9	4.9
62.5°	3.3	4.9	4.9	4.9	3.3
65°	3.3	3.3	3.3	3.3	3.3
67.5°	3.3	3.3	3.3	3.3	3.3
70°	3.3	3.3	3.3	3.3	3.3
72.5°	1.6	3.3	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6
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: P1316957  
CATALOG NUMBER: LDSQA3D20R559740D010 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)