

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: P1317833

Luminaire Tested: LDSQA3D20R559827D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317833  
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: LDSQA3D20R559827D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

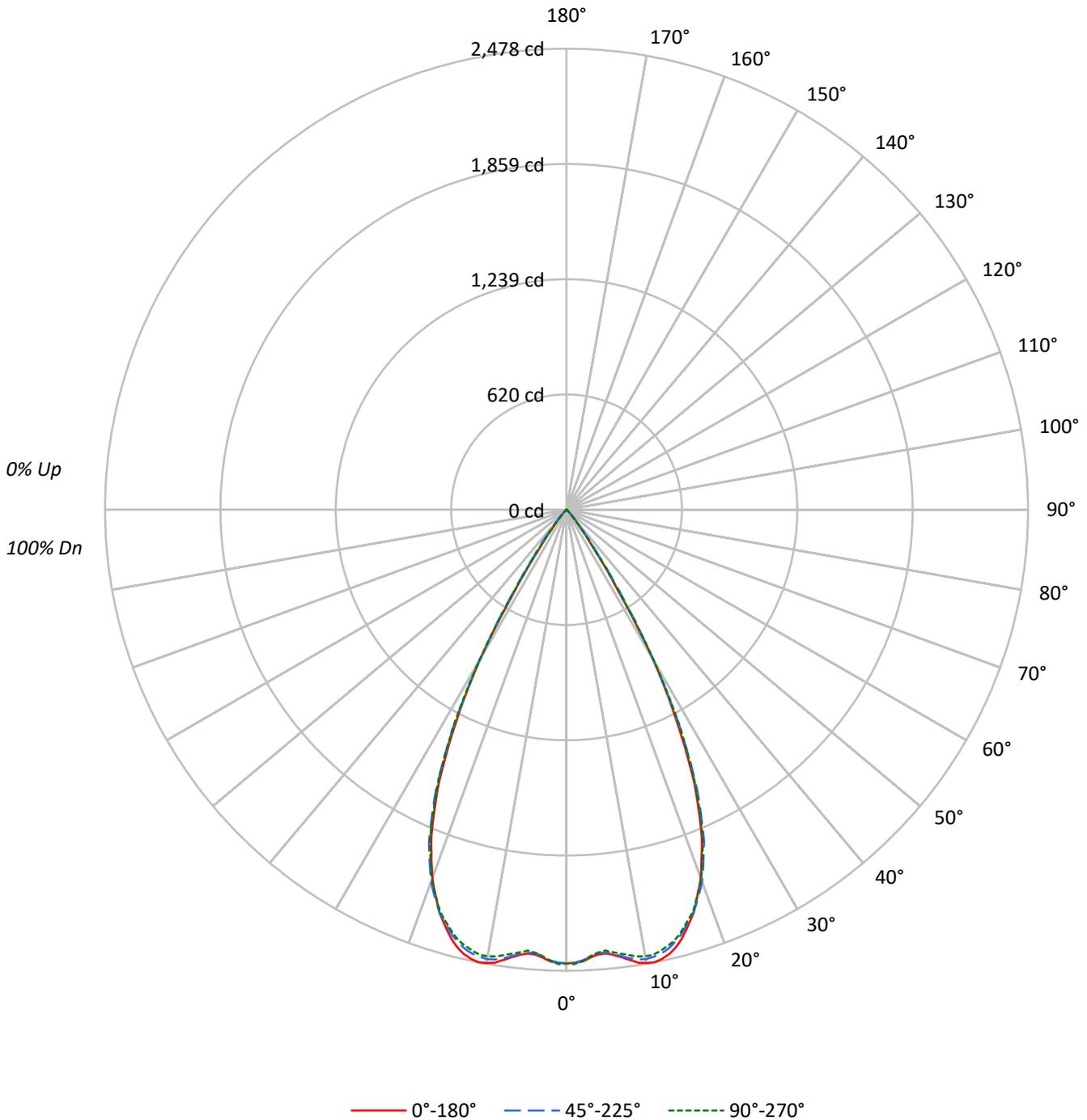
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1870.0 lumens  
Efficiency: N/A  
Efficacy: 68.2 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): 27.4  
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: P1317833  
CATALOG NUMBER: LDSQA3D20R559827D010 3LSQCDR1MW

### Luminous Intensity Polar Plot





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**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°	419965	419965	419965
5°	413945	413219	411248
10°	432669	428927	426199
15°	425918	422103	420338
20°	386198	390120	387243
25°	308831	315311	312347
30°	185204	185204	187471
35°	53507	63368	55294
40°	15355	20773	15355
45°	3459	7964	3459
50°	1527	2679	1152
55°	1291	1291	1291
60°	1481	1481	1481
65°	1141	1141	1141
70°	1410	1410	1410
75°	932	932	932
80°	1389	1389	1389
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 7964 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	231.2	12.4
10°-20°	659.0	35.2
20°-30°	726.1	38.8
30°-40°	222.1	11.9
40°-50°	22.0	1.2
50°-60°	4.1	0.2
60°-70°	3.2	0.2
70°-80°	1.8	0.1
80°-90°	0.6	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°	1616.3	86.4
0°-40°	1838.3	98.3
0°-60°	1864.4	99.7
0°-90°	1870.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1870.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2438	2438	2438	2438	2438	
5°	2394	2394	2390	2383	2379	232
15°	2389	2384	2367	2358	2358	662
25°	1625	1641	1659	1675	1644	716
35°	254	267	301	277	263	209
45°	14	21	33	21	14	17
55°	4	4	4	4	4	4
65°	3	3	3	3	3	3
75°	1	1	1	1	1	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



TEST NUMBER: P1317833

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2438.5	2438.5	2438.5	2438.5	2438.5
1°	2435.7	2437.1	2435.7	2432.8	2442.8
2°	2430.0	2428.6	2424.3	2422.9	2427.2
3°	2411.5	2411.5	2405.8	2403.0	2404.4
4°	2397.3	2397.3	2388.8	2385.9	2387.3
5°	2394.4	2394.4	2390.2	2383.1	2378.8
6°	2405.8	2408.7	2398.7	2391.6	2391.6
7°	2422.9	2424.3	2417.2	2407.2	2404.4
8°	2444.2	2445.6	2434.3	2422.9	2417.2
9°	2465.5	2462.7	2447.1	2435.7	2431.4
10°	2474.1	2472.7	2452.7	2441.4	2437.1
11°	2478.3	2471.2	2448.5	2438.5	2437.1
12°	2468.4	2462.7	2438.5	2428.6	2424.3
13°	2451.3	2442.8	2422.9	2412.9	2407.2
14°	2424.3	2415.8	2397.3	2385.9	2387.3
15°	2388.8	2384.5	2367.4	2357.5	2357.5
17.5°	2270.7	2273.6	2269.3	2265.1	2262.2
20°	2107.2	2118.6	2128.6	2122.9	2112.9
22.5°	1898.2	1918.1	1929.5	1932.3	1913.9
25°	1625.2	1640.9	1659.3	1675.0	1643.7
27.5°	1285.4	1299.6	1316.7	1326.6	1322.4
30°	931.3	932.8	931.3	949.8	942.7
32.5°	517.6	560.2	567.3	580.1	534.6
35°	254.5	267.3	301.4	277.3	263.0
37.5°	122.3	130.8	163.5	133.7	128.0
40°	68.3	73.9	92.4	76.8	68.3
42.5°	32.7	42.7	49.8	44.1	32.7
45°	14.2	21.3	32.7	21.3	14.2
47.5°	5.7	8.5	19.9	8.5	5.7
50°	5.7	4.3	10.0	4.3	4.3
52.5°	4.3	4.3	5.7	4.3	4.3
55°	4.3	4.3	4.3	4.3	4.3
57.5°	4.3	4.3	4.3	4.3	4.3
60°	4.3	4.3	4.3	4.3	4.3
62.5°	2.8	4.3	4.3	4.3	2.8
65°	2.8	2.8	2.8	2.8	2.8
67.5°	2.8	2.8	2.8	2.8	2.8
70°	2.8	2.8	2.8	2.8	2.8
72.5°	1.4	2.8	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4
80°	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	1.4	1.4	1.4	1.4
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)