

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: P1317728

Luminaire Tested: LDSQA3D20R159827D010 3LSQPHRL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317728  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R159827D010 3LSQPHRL1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , 3LSQPHRL1MB TRIM  
Light Source: -  
Ballast/Driver: -

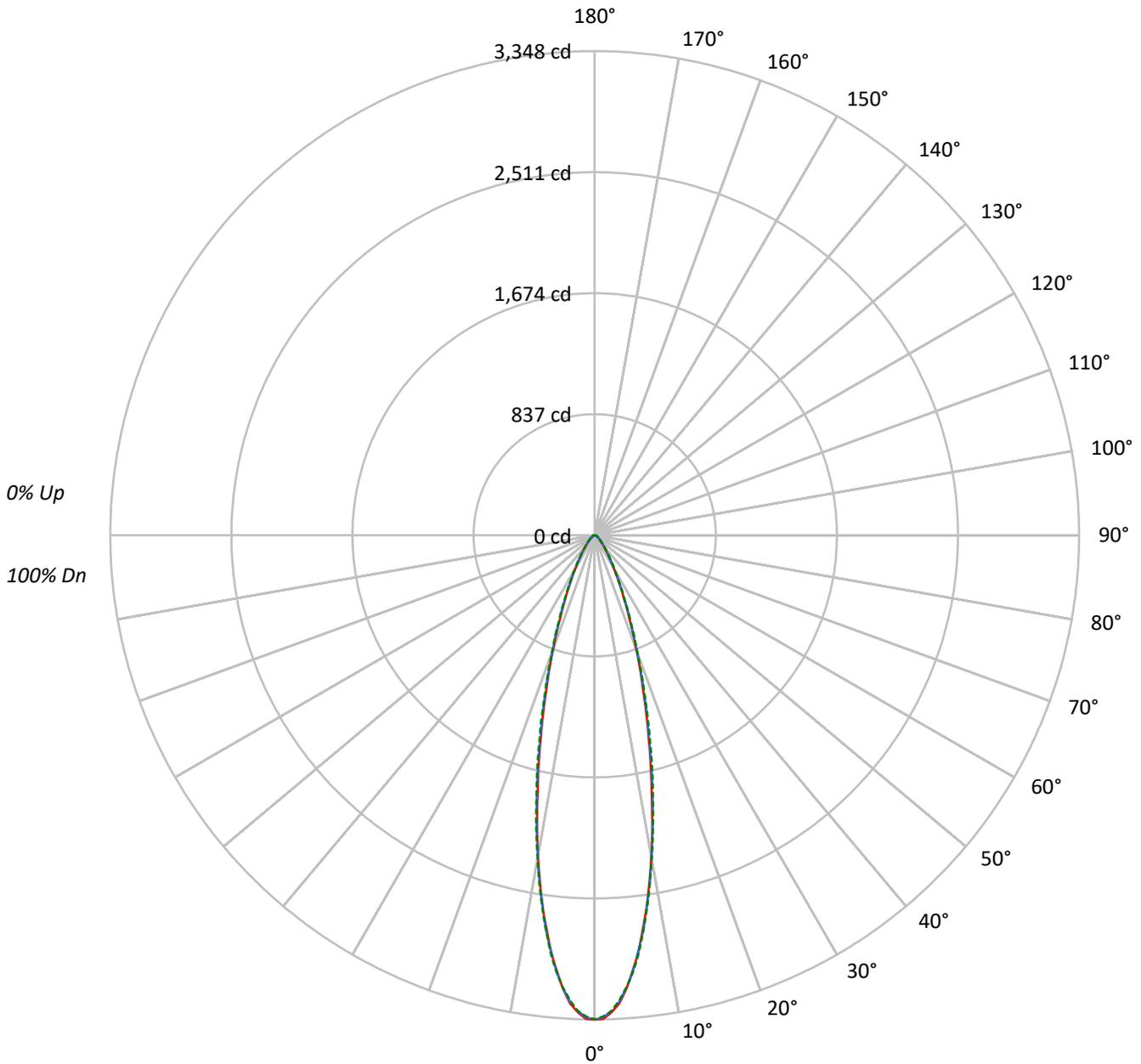
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1107.0 lumens  
Efficiency: N/A  
Efficacy: 40.4 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48  
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: P1317728  
CATALOG NUMBER: LDSQA3D20R159827D010 3LSQPHRL1MB

### Luminous Intensity Polar Plot



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



TEST NUMBER: P1317728  
 CATALOG NUMBER: LDSQA3D20R159827D010 3LSQPHRL1MB

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

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

	0°	45°	90°
0°	576515	576515	576515
5°	522203	523171	523914
10°	394248	395245	397239
15°	255715	258514	263578
20°	153970	155784	157874
25°	89940	91840	93189
30°	52858	54549	55404
35°	32567	33765	34375
40°	21403	22055	22370
45°	14881	15222	15588
50°	11039	11414	11816
55°	8978	9398	9398
60°	7819	7819	7819
65°	6968	6968	6968
70°	5740	6445	6445
75°	5656	5656	5656
80°	4265	5653	5653
85°	2766	2766	2766

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 15588 cd/sqm



TEST NUMBER: P1317728

CATALOG NUMBER: LDSQA3D20R159827D010 3LSQPHRL1MB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	263.7	23.8
10°-20°	403.2	36.4
20°-30°	229.2	20.7
30°-40°	104.6	9.4
40°-50°	50.2	4.5
50°-60°	28.0	2.5
60°-70°	17.2	1.5
70°-80°	9.1	0.8
80°-90°	1.9	0.2
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°	896.0	80.9
0°-40°	1000.6	90.4
0°-60°	1078.8	97.4
0°-90°	1107.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1107.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3348	3348	3348	3348	3348	
5°	3021	3019	3026	3026	3030	263
15°	1434	1441	1450	1470	1478	398
25°	473	473	483	488	490	225
35°	155	158	161	164	164	102
45°	61	61	62	64	64	49
55°	30	30	31	31	31	27
65°	17	17	17	17	17	17
75°	8	8	8	8	8	9
85°	1	1	1	1	1	2
90°	0	0	0	0	0	



TEST NUMBER: P1317728

CATALOG NUMBER: LDSQA3D20R159827D010 3LSQPHRL1MB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3347.5	3347.5	3347.5	3347.5	3347.5
1°	3344.7	3336.1	3333.3	3331.9	3329.0
2°	3302.0	3294.9	3293.5	3293.5	3292.1
3°	3242.3	3229.5	3230.9	3226.7	3222.4
4°	3141.4	3135.7	3138.5	3141.4	3135.7
5°	3020.6	3019.1	3026.2	3026.2	3030.5
6°	2895.5	2894.1	2889.8	2901.2	2906.8
7°	2736.3	2744.8	2756.2	2750.5	2754.8
8°	2591.3	2581.3	2585.6	2599.8	2601.2
9°	2420.7	2413.6	2432.1	2437.8	2439.2
10°	2254.4	2261.5	2260.1	2280.0	2271.5
12.5°	1820.9	1832.2	1845.0	1853.6	1862.1
15°	1434.2	1441.3	1449.9	1469.8	1478.3
17.5°	1103.0	1111.6	1120.1	1137.2	1140.0
20°	840.1	844.3	850.0	865.7	861.4
22.5°	628.3	635.4	641.1	648.2	652.4
25°	473.3	473.3	483.3	487.6	490.4
27.5°	352.5	355.4	362.5	368.2	366.7
30°	265.8	270.1	274.3	277.2	278.6
32.5°	204.7	204.7	209.0	213.2	214.6
35°	154.9	157.8	160.6	163.5	163.5
37.5°	120.8	122.2	125.1	126.5	126.5
40°	95.2	95.2	98.1	99.5	99.5
42.5°	75.3	76.8	78.2	79.6	79.6
45°	61.1	61.1	62.5	64.0	64.0
47.5°	49.8	49.8	51.2	52.6	52.6
50°	41.2	42.6	42.6	44.1	44.1
52.5°	35.5	35.5	35.5	37.0	37.0
55°	29.9	29.9	31.3	31.3	31.3
57.5°	25.6	25.6	25.6	27.0	27.0
60°	22.7	22.7	22.7	22.7	22.7
62.5°	19.9	19.9	19.9	19.9	19.9
65°	17.1	17.1	17.1	17.1	17.1
67.5°	14.2	14.2	14.2	15.6	15.6
70°	11.4	12.8	12.8	12.8	12.8
72.5°	10.0	10.0	10.0	10.0	10.0
75°	8.5	8.5	8.5	8.5	8.5
77.5°	7.1	7.1	7.1	7.1	7.1
80°	4.3	5.7	5.7	5.7	5.7
82.5°	2.8	2.8	2.8	2.8	2.8
85°	1.4	1.4	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	1.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)