

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: P1312894

Luminaire Tested: LDSQA3D20R409050D010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

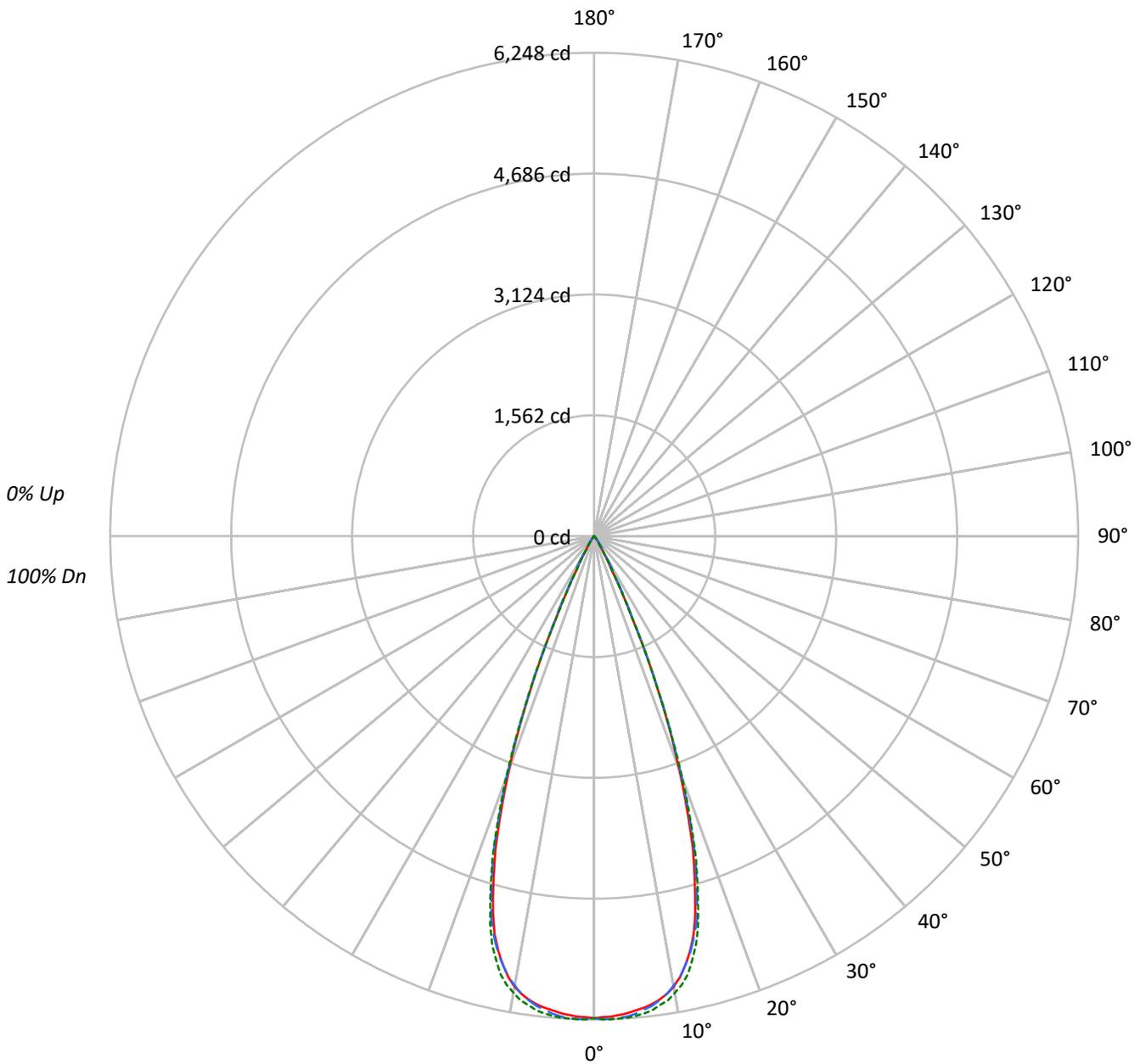
Test Method: LM-79-2019  
Report Number: P1312894  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R409050D010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R40 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2621.0 lumens  
Efficiency: N/A  
Efficacy: 91.0 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6  
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 (Ain): 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: P1312894  
CATALOG NUMBER: LDSQA3D20R409050D010 3LSQCDR1MB

### Luminous Intensity Polar Plot



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



TEST NUMBER: P1312894  
 CATALOG NUMBER: LDSQA3D20R409050D010 3LSQCDR1MB

**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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	92	92	92	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	88	88	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	85	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	82	82	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	77	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	77	77	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	77	74	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	75	72	70	69

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

	0°	45°	90°
0°	1073429	1073429	1073429
5°	1064131	1070839	1075939
10°	1033835	1031894	1048035
15°	899371	913849	925046
20°	590275	601767	609556
25°	210436	222711	209390
30°	45878	62026	46256
35°	14738	25608	14360
40°	4564	7891	4159
45°	438	2704	438
50°	0	482	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2704 cd/sqm



TEST NUMBER: P1312894

CATALOG NUMBER: LDSQA3D20R409050D010 3LSQCDR1MB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	582.9	22.2
10°-20°	1357.4	51.8
20°-30°	608.8	23.2
30°-40°	65.8	2.5
40°-50°	6.1	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	2549.1	97.3
0°-40°	2614.8	99.8
0°-60°	2621.0	100.0
0°-90°	2621.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2621.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6233	6233	6233	6233	6233	
5°	6155	6172	6194	6203	6224	581
15°	5044	5081	5125	5155	5188	1340
25°	1107	1141	1172	1192	1102	591
35°	70	81	122	79	68	54
45°	2	4	11	4	2	4
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1312894

CATALOG NUMBER: LDSQA3D20R409050D010 3LSQCDR1MB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	6232.8	6232.8	6232.8	6232.8	6232.8
1°	6219.9	6232.8	6243.9	6234.7	6247.6
2°	6214.4	6229.1	6245.7	6236.5	6247.6
3°	6199.6	6218.0	6236.5	6231.0	6242.0
4°	6179.3	6194.1	6221.7	6221.7	6238.3
5°	6155.3	6171.9	6194.1	6203.3	6223.6
6°	6129.5	6138.7	6155.3	6173.7	6201.4
7°	6096.2	6096.2	6116.5	6135.0	6171.9
8°	6050.1	6046.4	6061.2	6085.2	6118.4
9°	5992.9	5980.0	5991.0	6026.1	6075.9
10°	5911.7	5900.6	5900.6	5944.9	5992.9
11°	5806.5	5802.8	5804.6	5847.1	5911.7
12°	5664.3	5668.0	5668.0	5716.0	5795.4
13°	5503.8	5501.9	5518.5	5572.1	5625.6
14°	5308.1	5319.2	5335.8	5383.8	5439.2
15°	5044.2	5081.1	5125.4	5154.9	5188.2
17.5°	4241.3	4278.3	4339.2	4363.2	4370.5
20°	3220.7	3274.2	3283.4	3331.4	3325.9
22.5°	2159.4	2155.7	2163.1	2168.7	2170.5
25°	1107.4	1140.6	1172.0	1192.3	1101.9
27.5°	481.7	538.9	579.5	526.0	487.3
30°	230.7	262.1	311.9	263.9	232.6
32.5°	125.5	145.8	197.5	144.0	123.7
35°	70.1	81.2	121.8	79.4	68.3
37.5°	40.6	44.3	66.4	44.3	38.8
40°	20.3	25.8	35.1	25.8	18.5
42.5°	7.4	12.9	18.5	12.9	7.4
45°	1.8	3.7	11.1	3.7	1.8
47.5°	0.0	0.0	5.5	0.0	0.0
50°	0.0	0.0	1.8	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
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: P1312894  
CATALOG NUMBER: LDSQA3D20R409050D010 3LSQCDR1MB

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)