

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: P1310619

Luminaire Tested: LDSQA3D20R159035D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

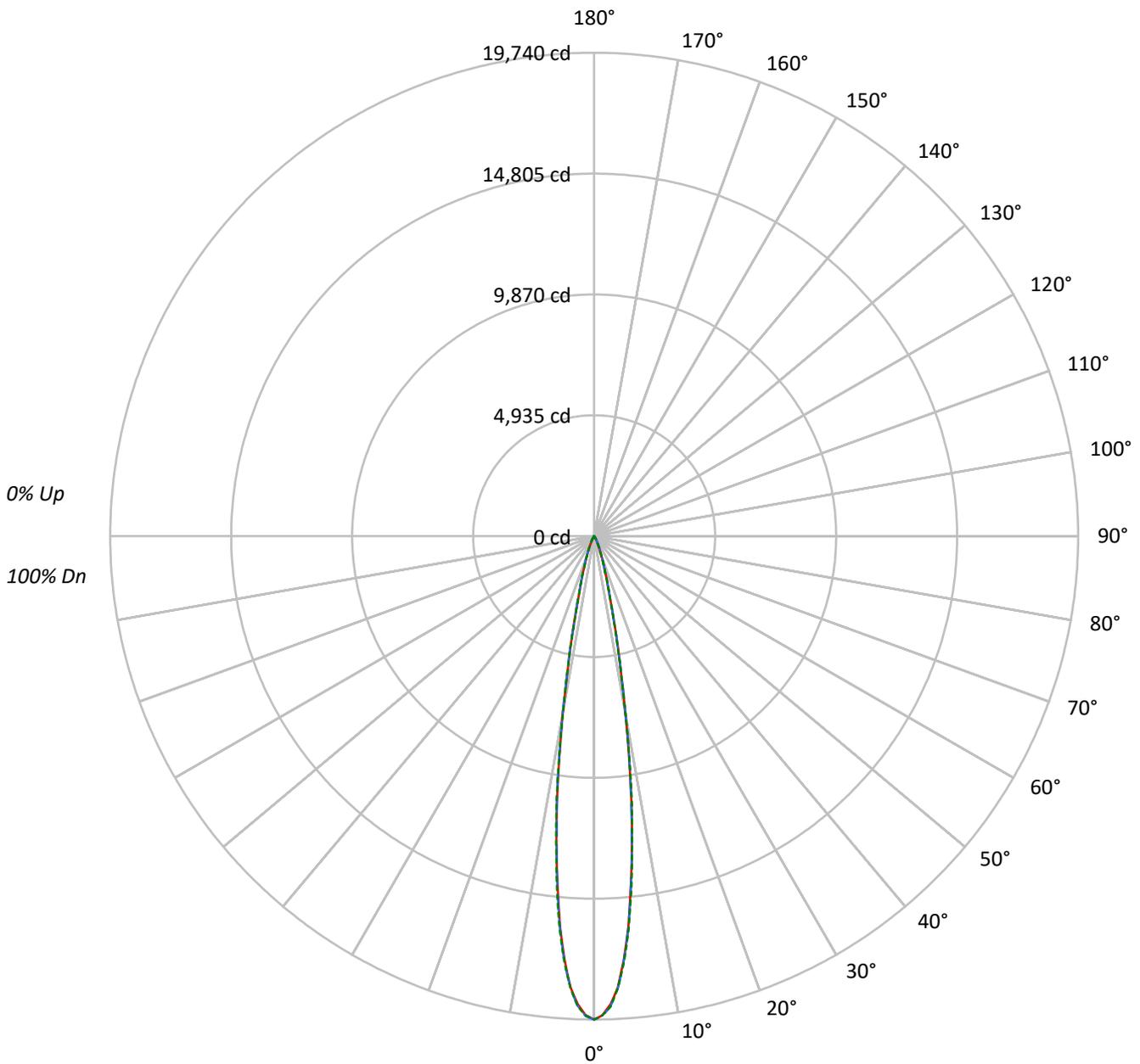
Test Method: LM-79-2019  
Report Number: P1310619  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R159035D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2216.0 lumens  
Efficiency: N/A  
Efficacy: 76.9 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29  
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

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### Luminous Intensity Polar Plot



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



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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	98	98	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	96	96	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	94	94	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	92	92	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	90	90	90
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	88	88	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	87	87	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	87	90	88	86	85	85	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	84	84	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	83	83	83

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

	0°	45°	90°
0°	3399606	3399606	3399606
5°	2764359	2773989	2783618
10°	1287410	1288617	1281622
15°	398336	412599	404843
20°	158808	167734	156884
25°	66452	78367	63146
30°	26986	35995	24918
35°	8788	16462	8052
40°	3125	6655	3125
45°	1267	2119	1267
50°	938	1393	938
55°	1051	1051	1051
60°	1206	1206	1206
65°	693	693	693
70°	856	856	856
75°	1131	1131	1131
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2119 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1235.6	55.8
10°-20°	738.8	33.3
20°-30°	188.0	8.5
30°-40°	40.8	1.8
40°-50°	6.6	0.3
50°-60°	3.2	0.1
60°-70°	1.9	0.1
70°-80°	1.1	0.1
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°	2162.3	97.6
0°-40°	2203.2	99.4
0°-60°	2212.9	99.9
0°-90°	2216.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2216.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	19740	19740	19740	19740	19740	
5°	15990	16013	16046	15973	16101	1233
15°	2234	2297	2314	2281	2271	735
25°	350	374	412	365	332	178
35°	42	54	78	52	38	33
45°	5	7	9	7	5	5
55°	4	4	4	4	4	3
65°	2	2	2	2	2	2
75°	2	2	2	2	2	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	19739.6	19739.6	19739.6	19739.6	19739.6
1°	19567.3	19600.4	19605.6	19600.4	19572.5
2°	19127.1	19224.6	19203.7	19161.9	19221.1
3°	18446.8	18495.5	18488.6	18492.0	18478.1
4°	17340.2	17425.5	17376.7	17413.3	17416.8
5°	15990.0	16012.6	16045.7	15972.6	16101.4
6°	14328.4	14472.8	14345.8	14471.0	14521.5
7°	12638.9	12722.4	12560.6	12647.6	12699.8
8°	10911.1	10765.0	10853.7	10855.5	11027.7
9°	9045.9	9075.5	9150.3	9065.1	9139.9
10°	7361.7	7429.5	7368.6	7339.1	7328.6
11°	5813.1	5889.7	5884.5	5893.2	5835.7
12°	4676.9	4636.9	4663.0	4577.8	4616.1
13°	3639.9	3641.7	3620.8	3586.0	3554.7
14°	2851.8	2834.4	2883.1	2839.6	2799.6
15°	2234.1	2296.7	2314.1	2281.1	2270.6
17.5°	1378.0	1379.8	1404.1	1372.8	1369.3
20°	866.5	887.4	915.2	882.1	856.0
22.5°	548.1	567.2	610.7	569.0	532.4
25°	349.7	374.1	412.4	365.4	332.3
27.5°	219.2	241.9	278.4	234.9	210.5
30°	135.7	151.4	181.0	147.9	125.3
32.5°	78.3	94.0	118.3	88.7	74.8
35°	41.8	53.9	78.3	52.2	38.3
37.5°	24.4	31.3	50.5	27.8	22.6
40°	13.9	19.1	29.6	17.4	13.9
42.5°	8.7	12.2	13.9	10.4	7.0
45°	5.2	7.0	8.7	7.0	5.2
47.5°	3.5	5.2	7.0	3.5	3.5
50°	3.5	3.5	5.2	3.5	3.5
52.5°	3.5	3.5	3.5	3.5	3.5
55°	3.5	3.5	3.5	3.5	3.5
57.5°	3.5	3.5	3.5	3.5	3.5
60°	3.5	3.5	3.5	3.5	3.5
62.5°	1.7	1.7	1.7	1.7	1.7
65°	1.7	1.7	1.7	1.7	1.7
67.5°	1.7	1.7	1.7	1.7	1.7
70°	1.7	1.7	1.7	1.7	1.7
72.5°	1.7	1.7	1.7	1.7	1.7
75°	1.7	1.7	1.7	1.7	1.7
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



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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)