

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: P1314904

Luminaire Tested: LDSQA3D20R159730D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314904  
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: LDSQA3D20R159730D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

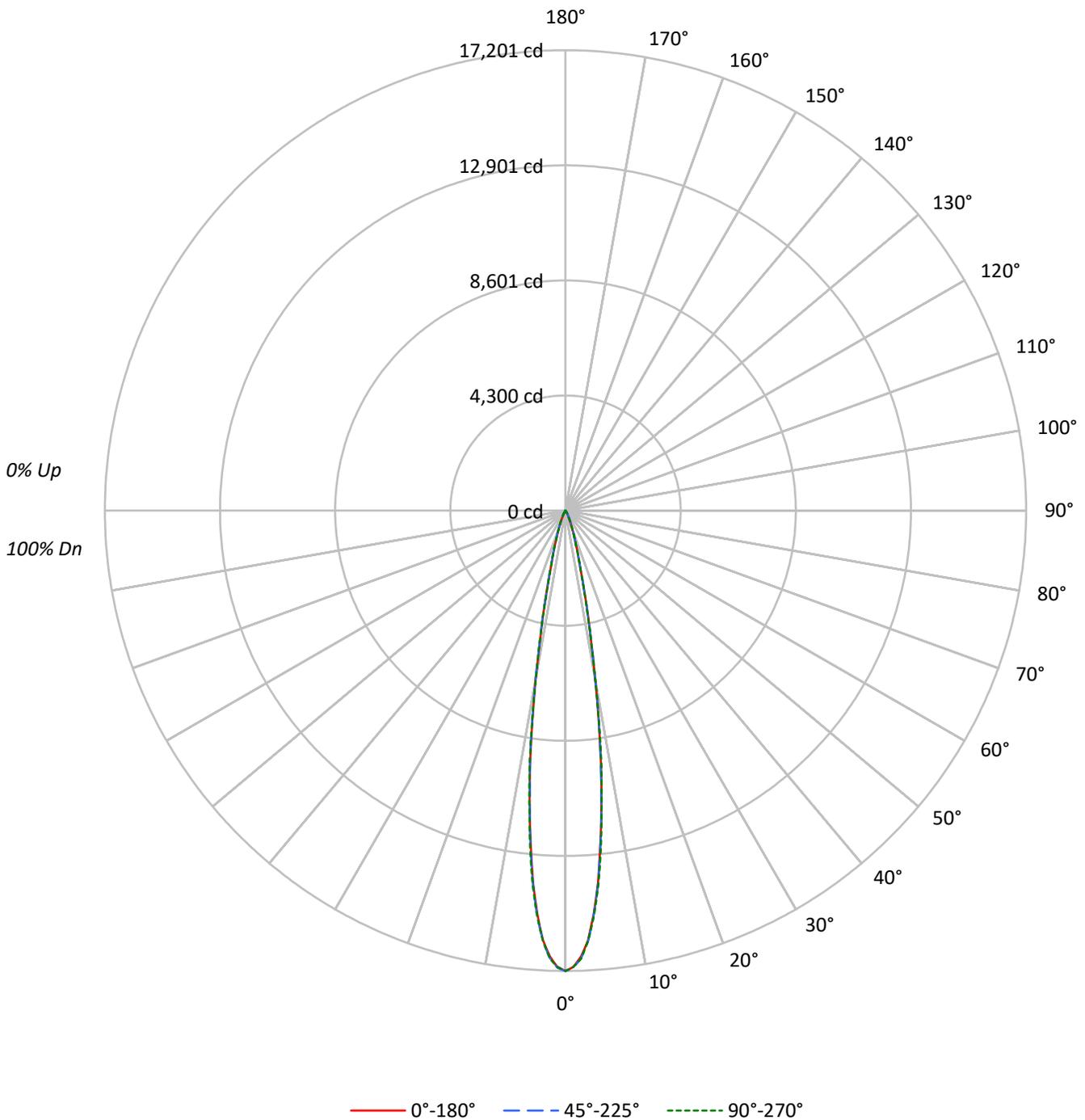
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1930.9 lumens  
Efficiency: N/A  
Efficacy: 67.0 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





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

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

	0°	45°	90°
0°	2962384	2962384	2962384
5°	2408830	2417232	2425617
10°	1121834	1122883	1116798
15°	347111	359538	352780
20°	138373	146162	136724
25°	57901	68277	55032
30°	23526	31361	21716
35°	7653	14339	7022
40°	2720	5800	2720
45°	1096	1851	1096
50°	804	1206	804
55°	901	901	901
60°	1033	1033	1033
65°	611	611	611
70°	755	755	755
75°	998	998	998
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1851 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1076.7	55.8
10°-20°	643.7	33.3
20°-30°	163.8	8.5
30°-40°	35.6	1.8
40°-50°	5.7	0.3
50°-60°	2.7	0.1
60°-70°	1.7	0.1
70°-80°	1.0	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°	1884.2	97.6
0°-40°	1919.8	99.4
0°-60°	1928.3	99.9
0°-90°	1930.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1930.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	17201	17201	17201	17201	17201	
5°	13934	13953	13982	13918	14031	1074
15°	1947	2001	2016	1988	1979	641
25°	305	326	359	318	290	155
35°	36	47	68	46	33	29
45°	4	6	8	6	4	4
55°	3	3	3	3	3	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°	17200.9	17200.9	17200.9	17200.9	17200.9
1°	17050.8	17079.6	17084.1	17079.6	17055.3
2°	16667.2	16752.1	16733.9	16697.5	16749.1
3°	16074.4	16116.8	16110.7	16113.8	16101.6
4°	15110.1	15184.4	15141.9	15173.8	15176.8
5°	13933.5	13953.2	13982.1	13918.4	14030.6
6°	12485.6	12611.4	12500.8	12609.9	12653.9
7°	11013.4	11086.2	10945.2	11021.0	11066.5
8°	9507.9	9380.5	9457.8	9459.3	9609.4
9°	7882.5	7908.3	7973.5	7899.2	7964.4
10°	6414.9	6474.0	6420.9	6395.2	6386.1
11°	5065.5	5132.2	5127.7	5135.2	5085.2
12°	4075.4	4040.6	4063.3	3989.0	4022.4
13°	3171.8	3173.3	3155.1	3124.8	3097.5
14°	2485.0	2469.8	2512.3	2474.4	2439.5
15°	1946.8	2001.3	2016.5	1987.7	1978.6
17.5°	1200.8	1202.3	1223.5	1196.3	1193.2
20°	755.0	773.2	797.5	768.7	746.0
22.5°	477.6	494.3	532.2	495.8	463.9
25°	304.7	326.0	359.3	318.4	289.6
27.5°	191.0	210.7	242.6	204.7	183.5
30°	118.3	131.9	157.7	128.9	109.2
32.5°	68.2	81.9	103.1	77.3	65.2
35°	36.4	47.0	68.2	45.5	33.4
37.5°	21.2	27.3	44.0	24.3	19.7
40°	12.1	16.7	25.8	15.2	12.1
42.5°	7.6	10.6	12.1	9.1	6.1
45°	4.5	6.1	7.6	6.1	4.5
47.5°	3.0	4.5	6.1	3.0	3.0
50°	3.0	3.0	4.5	3.0	3.0
52.5°	3.0	3.0	3.0	3.0	3.0
55°	3.0	3.0	3.0	3.0	3.0
57.5°	3.0	3.0	3.0	3.0	3.0
60°	3.0	3.0	3.0	3.0	3.0
62.5°	1.5	1.5	1.5	1.5	1.5
65°	1.5	1.5	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	1.5
72.5°	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	1.5	1.5	1.5
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)