

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: P1310473

Luminaire Tested: LDSQA3D17R159035DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310473  
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: LDSQA3D17R159035DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

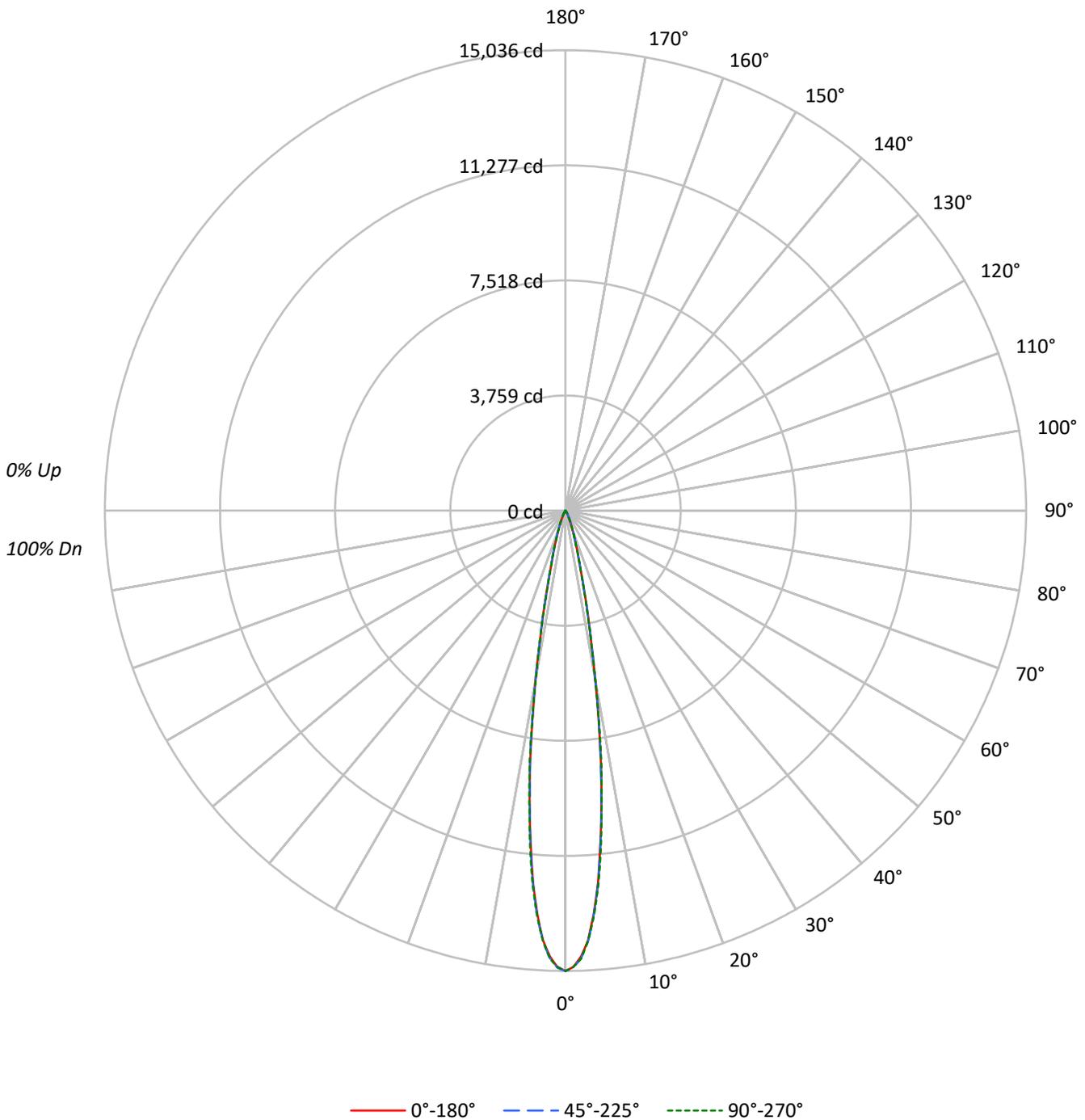
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1688.0 lumens  
Efficiency: N/A  
Efficacy: 79.6 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): 21.2  
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	98	98	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°	2589591	2589591	2589591
5°	2105702	2113032	2120362
10°	980654	981581	976247
15°	303428	314286	308384
20°	120962	127761	119514
25°	50623	59687	48096
30°	20563	27404	18972
35°	6686	12531	6139
40°	2383	5058	2383
45°	974	1607	974
50°	723	1072	723
55°	811	811	811
60°	930	930	930
65°	530	530	530
70°	655	655	655
75°	865	865	865
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1607 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	941.2	55.8
10°-20°	562.7	33.3
20°-30°	143.2	8.5
30°-40°	31.1	1.8
40°-50°	5.0	0.3
50°-60°	2.5	0.1
60°-70°	1.5	0.1
70°-80°	0.9	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°	1647.1	97.6
0°-40°	1678.2	99.4
0°-60°	1685.7	99.9
0°-90°	1688.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1688.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	15036	15036	15036	15036	15036	
5°	12180	12197	12222	12167	12265	939
15°	1702	1750	1763	1738	1730	560
25°	266	285	314	278	253	135
35°	32	41	60	40	29	25
45°	4	5	7	5	4	4
55°	3	3	3	3	3	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	15036.3	15036.3	15036.3	15036.3	15036.3
1°	14905.1	14930.3	14934.2	14930.3	14909.0
2°	14569.8	14644.0	14628.1	14596.3	14641.3
3°	14051.5	14088.6	14083.3	14086.0	14075.4
4°	13208.6	13273.5	13236.4	13264.3	13266.9
5°	12180.1	12197.3	12222.5	12166.9	12264.9
6°	10914.4	11024.4	10927.6	11023.1	11061.5
7°	9627.5	9691.1	9567.8	9634.1	9673.9
8°	8311.4	8200.0	8267.6	8269.0	8400.2
9°	6890.6	6913.1	6970.1	6905.2	6962.2
10°	5607.6	5659.3	5612.9	5590.4	5582.4
11°	4428.0	4486.4	4482.4	4489.0	4445.3
12°	3562.6	3532.1	3552.0	3487.0	3516.2
13°	2772.7	2774.0	2758.1	2731.6	2707.7
14°	2172.3	2159.0	2196.1	2163.0	2132.5
15°	1701.8	1749.5	1762.7	1737.6	1729.6
17.5°	1049.7	1051.0	1069.6	1045.7	1043.1
20°	660.0	675.9	697.1	672.0	652.1
22.5°	417.5	432.1	465.2	433.4	405.6
25°	266.4	285.0	314.1	278.3	253.1
27.5°	167.0	184.2	212.1	178.9	160.4
30°	103.4	115.3	137.8	112.7	95.4
32.5°	59.6	71.6	90.1	67.6	57.0
35°	31.8	41.1	59.6	39.8	29.2
37.5°	18.6	23.9	38.4	21.2	17.2
40°	10.6	14.6	22.5	13.3	10.6
42.5°	6.6	9.3	10.6	8.0	5.3
45°	4.0	5.3	6.6	5.3	4.0
47.5°	2.7	4.0	5.3	2.7	2.7
50°	2.7	2.7	4.0	2.7	2.7
52.5°	2.7	2.7	2.7	2.7	2.7
55°	2.7	2.7	2.7	2.7	2.7
57.5°	2.7	2.7	2.7	2.7	2.7
60°	2.7	2.7	2.7	2.7	2.7
62.5°	1.3	1.3	1.3	1.3	1.3
65°	1.3	1.3	1.3	1.3	1.3
67.5°	1.3	1.3	1.3	1.3	1.3
70°	1.3	1.3	1.3	1.3	1.3
72.5°	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.3	1.3	1.3
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)