

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: P1317353

Luminaire Tested: LDSQA3D09R359827DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317353  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R359827DE010 3LSQPHR1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , 3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

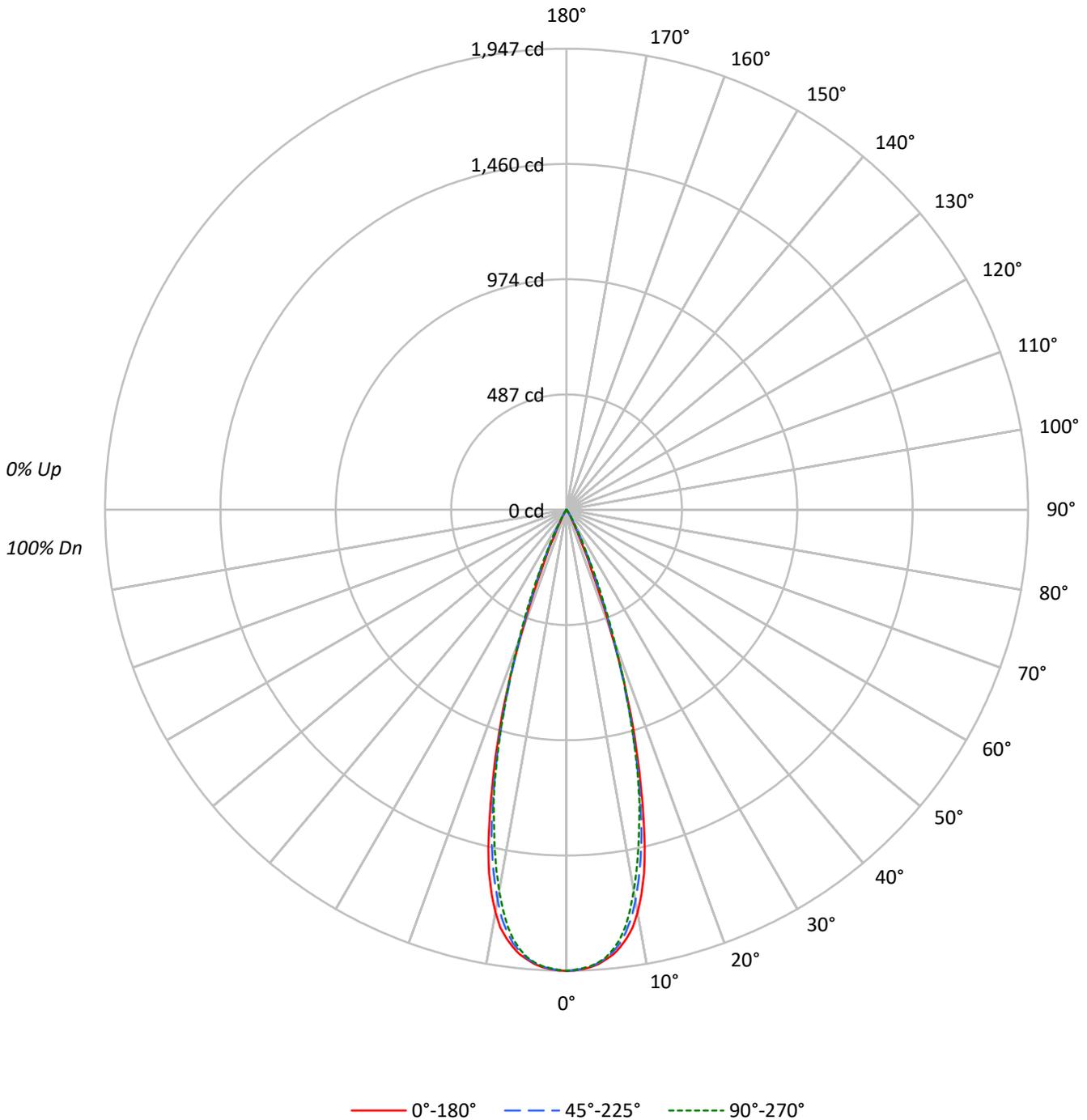
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 591.0 lumens  
Efficiency: N/A  
Efficacy: 53.7 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	94	93	92
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	91	90	89
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	88	87	86
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	84	83
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82	81	80
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	80	79	78
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	77	76	75
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	75	74	73
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	73	72	71

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

	0°	45°	90°
0°	335335	335335	335335
5°	329579	328871	328179
10°	302052	292976	285858
15°	216293	209393	206844
20°	100288	103752	107381
25°	23791	33863	35307
30°	6980	7994	9009
35°	1598	2565	2355
40°	337	697	450
45°	122	122	122
50°	134	0	134
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: 0°  
 Vertical Angle: 52.5°  
 Luminance: 141 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	174.8	29.6
10°-20°	312.5	52.9
20°-30°	94.0	15.9
30°-40°	9.0	1.5
40°-50°	0.6	0.1
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°	581.4	98.4
0°-40°	590.3	99.9
0°-60°	591.0	100.0
0°-90°	591.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	591.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1947	1947	1947	1947	1947	
5°	1906	1906	1902	1900	1898	177
15°	1213	1204	1174	1169	1160	320
25°	125	138	178	186	186	81
35°	8	10	12	13	11	7
45°	0	0	0	0	0	1
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



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1947.1	1947.1	1947.1	1947.1	1947.1
1°	1946.1	1946.1	1945.1	1945.1	1943.1
2°	1941.5	1942.0	1940.0	1939.5	1938.0
3°	1934.4	1932.9	1932.9	1931.9	1930.9
4°	1923.2	1920.2	1919.1	1919.7	1917.6
5°	1906.4	1905.9	1902.3	1899.8	1898.3
6°	1888.1	1884.5	1876.9	1870.3	1868.7
7°	1860.6	1853.0	1846.3	1832.6	1830.6
8°	1827.0	1814.8	1800.5	1781.2	1780.2
9°	1785.8	1765.9	1746.1	1720.1	1710.9
10°	1727.2	1708.9	1675.3	1652.4	1634.6
11°	1654.4	1631.5	1592.3	1564.8	1550.1
12°	1572.0	1550.6	1504.8	1479.8	1459.0
13°	1466.1	1448.3	1405.5	1378.0	1361.7
14°	1343.4	1330.2	1289.4	1277.2	1271.6
15°	1213.1	1203.9	1174.4	1169.3	1160.1
17.5°	892.9	877.6	860.8	863.9	866.9
20°	547.2	568.6	566.1	577.3	585.9
22.5°	272.9	300.3	332.4	351.8	361.4
25°	125.2	138.0	178.2	185.8	185.8
27.5°	63.1	66.2	84.0	85.5	89.6
30°	35.1	37.7	40.2	44.8	45.3
32.5°	17.8	20.9	21.9	24.4	23.4
35°	7.6	10.2	12.2	13.2	11.2
37.5°	3.6	4.6	6.6	6.1	4.6
40°	1.5	2.0	3.1	2.5	2.0
42.5°	1.0	1.0	1.5	1.0	1.0
45°	0.5	0.5	0.5	0.5	0.5
47.5°	0.5	0.5	0.0	0.5	0.5
50°	0.5	0.0	0.0	0.0	0.5
52.5°	0.5	0.0	0.0	0.0	0.5
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



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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)