

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: P1314049

Luminaire Tested: LDSQA3D20R609727D010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314049  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R609727D010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

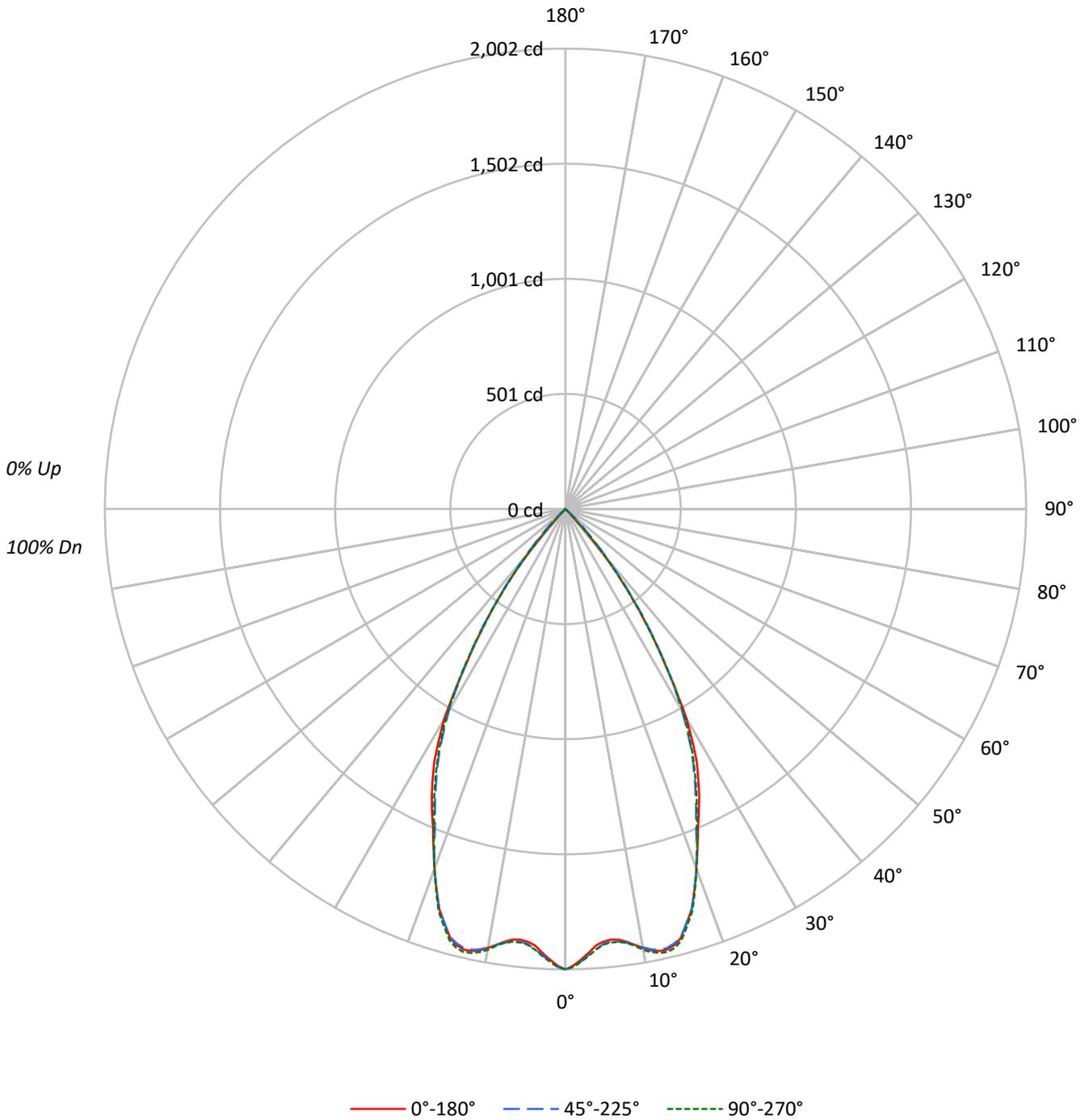
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1774.0 lumens  
Efficiency: N/A  
Efficacy: 61.6 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9  
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

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	88	86	84	82
4	98	91	86	81	96	90	85	81	88	83	80	86	82	79	84	81	78	84	81	78	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	70	77	72	69	75	72	69	75	72	69	67
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61	69	64	61	68	64	61	68	64	61	59
9	77	67	62	58	76	67	61	58	66	61	57	65	61	57	64	60	57	64	60	57	56
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	61	57	54	53

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

	0°	45°	90°
0°	344755	344755	344755
5°	326502	328231	328715
10°	338951	338444	340438
15°	344561	344062	346576
20°	304915	304915	305429
25°	261306	253515	255662
30°	209028	201431	204533
35°	129679	132349	129385
40°	56925	62658	58521
45°	682	20337	1729
50°	0	2277	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: 20337 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	182.8	10.3
10°-20°	530.0	29.9
20°-30°	615.3	34.7
30°-40°	387.4	21.8
40°-50°	58.2	3.3
50°-60°	0.3	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°	1328.1	74.9
0°-40°	1715.5	96.7
0°-60°	1774.0	100.0
0°-90°	1774.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1774.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2002	2002	2002	2002	2002	
5°	1889	1896	1899	1903	1901	182
15°	1932	1925	1930	1942	1944	530
25°	1375	1360	1334	1340	1345	625
35°	617	618	630	617	615	385
45°	3	27	84	35	7	38
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°	2001.8	2001.8	2001.8	2001.8	2001.8
1°	1986.3	1991.9	1991.9	1993.3	1991.9
2°	1959.4	1967.9	1967.9	1972.1	1969.3
3°	1932.5	1939.6	1941.0	1946.7	1945.2
4°	1902.8	1914.1	1918.4	1921.2	1919.8
5°	1888.6	1895.7	1898.6	1902.8	1901.4
6°	1883.0	1888.6	1891.5	1895.7	1895.7
7°	1887.2	1891.5	1895.7	1898.6	1895.7
8°	1900.0	1904.2	1904.2	1909.9	1905.6
9°	1918.4	1919.8	1919.8	1926.8	1922.6
10°	1938.2	1935.3	1935.3	1945.2	1946.7
11°	1955.1	1952.3	1950.9	1960.8	1963.6
12°	1965.0	1959.4	1959.4	1972.1	1973.5
13°	1966.5	1959.4	1959.4	1972.1	1976.4
14°	1955.1	1946.7	1948.1	1962.2	1966.5
15°	1932.5	1925.4	1929.7	1942.4	1943.8
17.5°	1825.0	1820.7	1823.6	1832.1	1833.5
20°	1663.7	1660.9	1663.7	1663.7	1666.5
22.5°	1503.8	1496.8	1482.6	1491.1	1492.5
25°	1375.1	1359.5	1334.1	1339.7	1345.4
27.5°	1233.6	1213.8	1186.9	1194.0	1195.4
30°	1051.1	1041.2	1012.9	1020.0	1028.5
32.5°	812.0	838.9	822.0	820.5	822.0
35°	616.8	618.2	629.5	616.8	615.4
37.5°	431.5	432.9	441.4	427.2	428.7
40°	253.2	271.6	278.7	273.0	260.3
42.5°	79.2	140.1	158.4	137.2	87.7
45°	2.8	26.9	83.5	35.4	7.1
47.5°	0.0	1.4	39.6	2.8	0.0
50°	0.0	0.0	8.5	0.0	0.0
52.5°	0.0	0.0	1.4	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



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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)