

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: P1317841

Luminaire Tested: LDSQA3D20R609827D010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317841  
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: LDSQA3D20R609827D010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

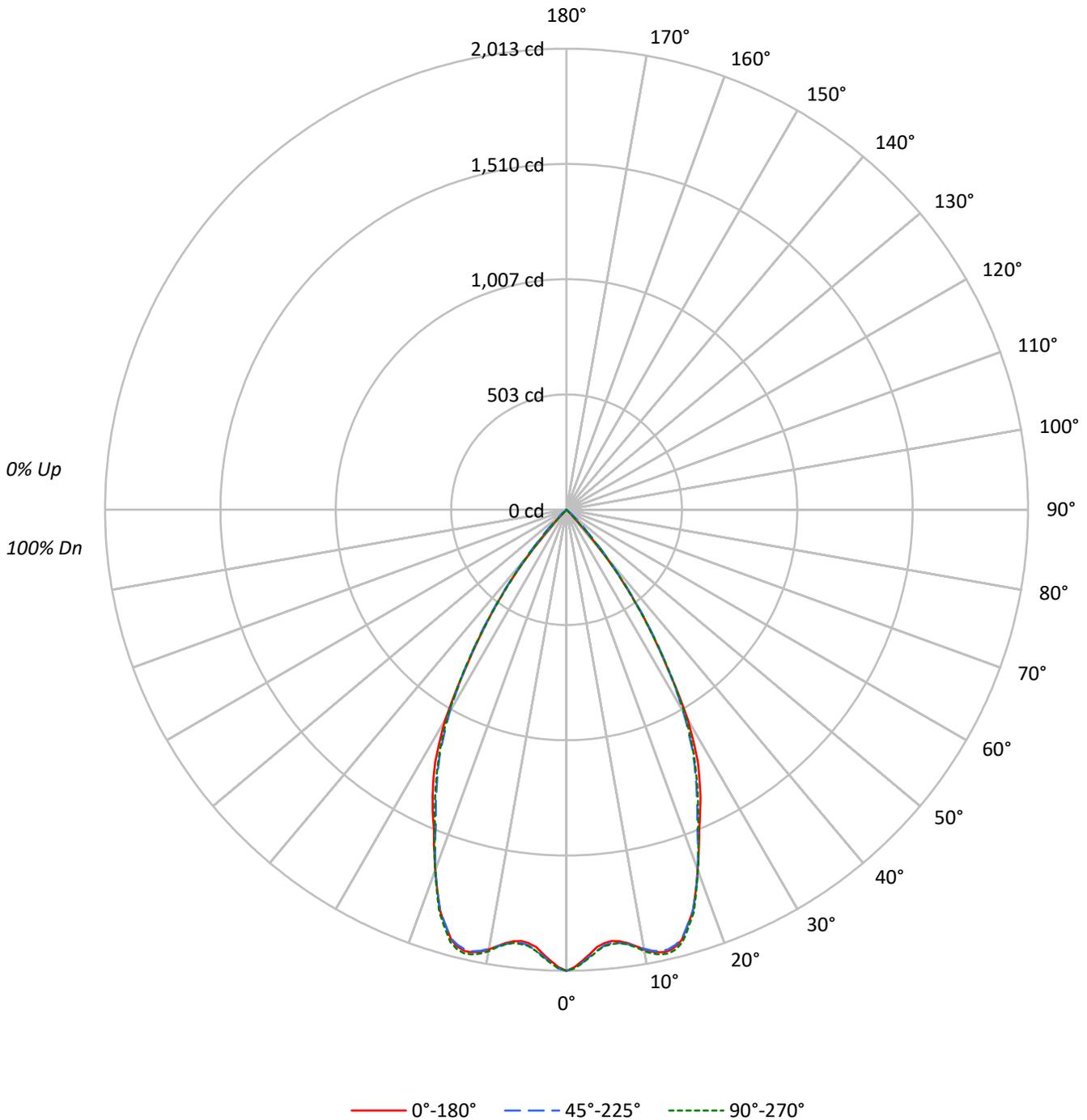
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1784.0 lumens  
Efficiency: N/A  
Efficacy: 65.1 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): 27.4  
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

TEST NUMBER: P1317841  
CATALOG NUMBER: LDSQA3D20R609827D010 3LSQCDR1MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P1317841

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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	89	89	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	84	84	84	82
4	98	91	86	81	96	90	85	81	88	83	80	86	82	79	84	81	78	78	78	78	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	73	73	73	72
6	89	80	74	70	87	79	74	70	78	73	70	77	72	69	75	72	69	69	69	69	67
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	64	64	64	63
8	81	71	66	62	79	71	65	61	70	65	61	69	64	61	68	64	61	61	61	61	59
9	77	67	62	58	76	67	61	58	66	61	57	65	61	57	64	60	57	57	57	57	56
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	54	54	54	53

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

	0°	45°	90°
0°	346701	346701	346701
5°	328352	330081	330565
10°	340858	340350	342344
15°	346504	346005	348537
20°	306638	306638	307151
25°	262788	254940	257106
30°	210221	202564	205687
35°	130415	133106	130121
40°	57262	63017	58858
45°	682	20435	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: 20435 cd/sqm



TEST NUMBER: P1317841

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.9	10.3
10°-20°	533.0	29.9
20°-30°	618.7	34.7
30°-40°	389.6	21.8
40°-50°	58.5	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°	1335.6	74.9
0°-40°	1725.2	96.7
0°-60°	1784.0	100.0
0°-90°	1784.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1784.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2013	2013	2013	2013	2013	
5°	1899	1906	1909	1914	1912	183
15°	1943	1936	1941	1953	1955	533
25°	1383	1367	1342	1347	1353	629
35°	620	622	633	620	619	387
45°	3	27	84	36	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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CATALOG NUMBER: LDSQA3D20R609827D010 3LSQCDR1MMS

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2013.1	2013.1	2013.1	2013.1	2013.1
1°	1997.5	2003.2	2003.2	2004.6	2003.2
2°	1970.4	1979.0	1979.0	1983.2	1980.4
3°	1943.4	1950.5	1951.9	1957.6	1956.2
4°	1913.5	1924.9	1929.2	1932.0	1930.6
5°	1899.3	1906.4	1909.3	1913.5	1912.1
6°	1893.6	1899.3	1902.1	1906.4	1906.4
7°	1897.9	1902.1	1906.4	1909.3	1906.4
8°	1910.7	1914.9	1914.9	1920.6	1916.4
9°	1929.2	1930.6	1930.6	1937.7	1933.4
10°	1949.1	1946.2	1946.2	1956.2	1957.6
11°	1966.2	1963.3	1961.9	1971.9	1974.7
12°	1976.1	1970.4	1970.4	1983.2	1984.7
13°	1977.5	1970.4	1970.4	1983.2	1987.5
14°	1966.2	1957.6	1959.0	1973.3	1977.5
15°	1943.4	1936.3	1940.6	1953.4	1954.8
17.5°	1835.3	1831.0	1833.9	1842.4	1843.8
20°	1673.1	1670.2	1673.1	1673.1	1675.9
22.5°	1512.3	1505.2	1491.0	1499.5	1500.9
25°	1382.9	1367.2	1341.6	1347.3	1353.0
27.5°	1240.6	1220.7	1193.6	1200.8	1202.2
30°	1057.1	1047.1	1018.6	1025.8	1034.3
32.5°	816.6	843.7	826.6	825.2	826.6
35°	620.3	621.7	633.1	620.3	618.9
37.5°	433.9	435.3	443.9	429.7	431.1
40°	254.7	273.2	280.3	274.6	261.8
42.5°	79.7	140.8	159.3	138.0	88.2
45°	2.8	27.0	83.9	35.6	7.1
47.5°	0.0	1.4	39.8	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)