

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: P1317842

Luminaire Tested: LDSQA3D20R609827D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317842  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R609827D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

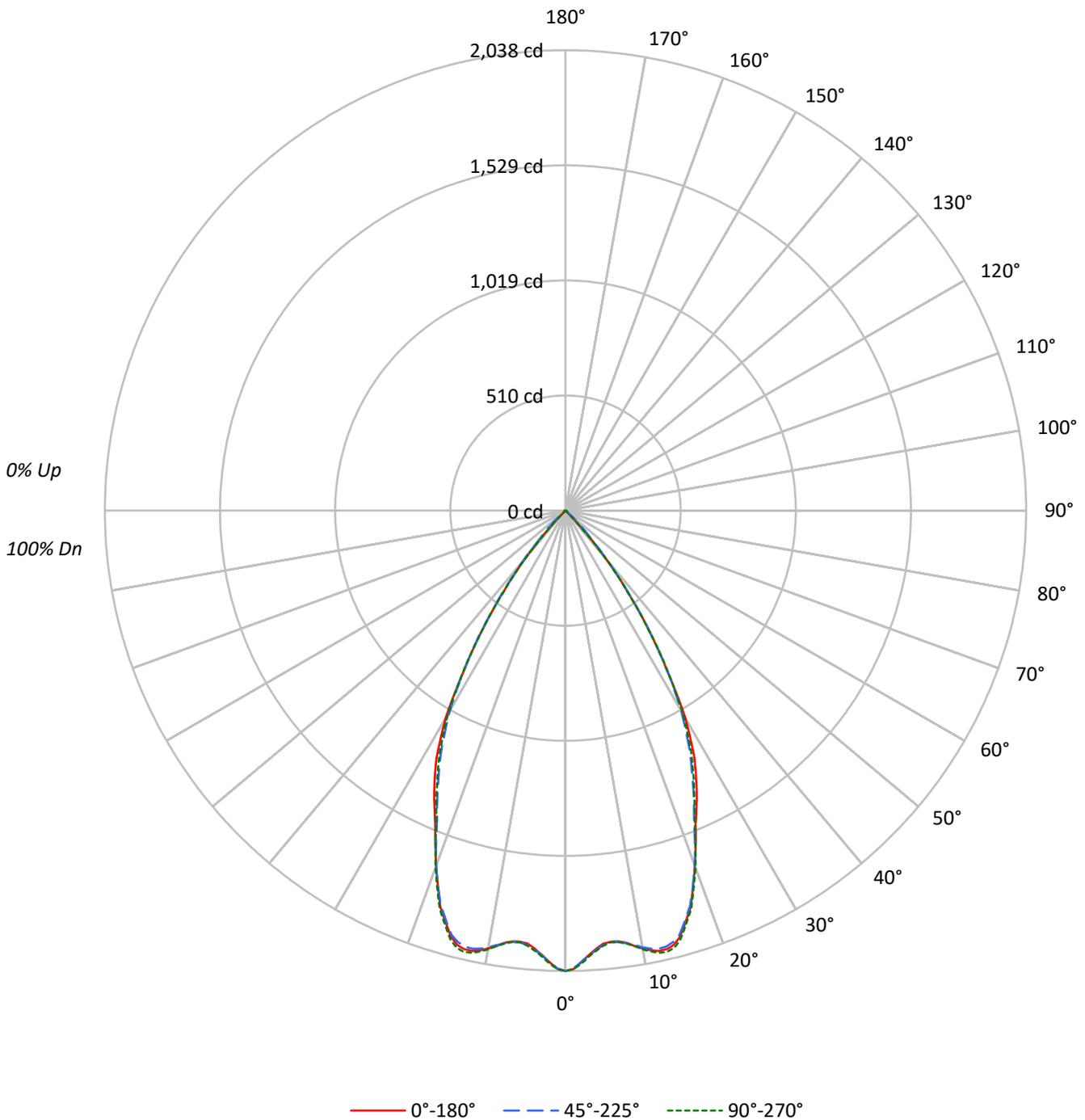
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1818.0 lumens  
Efficiency: N/A  
Efficacy: 66.3 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.92 / 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 (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	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	95	95	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	89	89	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	83	83	83	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	78	78	78	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	73	73	73	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	68	68	68	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	64	64	64	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	60	60	60	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	56	56	56	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	53	53	53	52

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

	0°	45°	90°
0°	351024	351024	351024
5°	332691	333677	334178
10°	344250	343271	345002
15°	348448	346932	350480
20°	306822	306565	308123
25°	261097	253534	255700
30°	210738	203380	206761
35°	133379	134578	133064
40°	62365	64906	63310
45°	3800	22870	4506
50°	1902	5332	1902
55°	2132	2132	2132
60°	1963	1963	1963
65°	1752	2323	1752
70°	2165	2165	2165
75°	1863	1863	1863
80°	1389	1389	1389
85°	2766	2766	2766

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 22870 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.7	10.2
10°-20°	535.1	29.4
20°-30°	616.7	33.9
30°-40°	396.0	21.8
40°-50°	68.9	3.8
50°-60°	6.5	0.4
60°-70°	5.0	0.3
70°-80°	3.0	0.2
80°-90°	1.0	0.1
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°	1337.5	73.6
0°-40°	1733.6	95.4
0°-60°	1809.0	99.5
0°-90°	1818.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1818.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2038	2038	2038	2038	2038	
5°	1924	1929	1930	1934	1933	186
15°	1954	1947	1946	1959	1966	536
25°	1374	1358	1334	1336	1346	626
35°	634	630	640	627	633	396
45°	16	47	94	56	18	52
55°	7	7	7	7	7	6
65°	4	6	6	6	4	5
75°	3	3	3	3	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2038.2	2038.2	2038.2	2038.2	2038.2
1°	2029.7	2028.3	2026.9	2028.3	2029.7
2°	2001.3	1999.8	1998.4	2004.1	2006.9
3°	1970.0	1971.4	1972.8	1975.7	1977.1
4°	1944.4	1947.2	1948.6	1951.5	1952.9
5°	1924.4	1928.7	1930.1	1934.4	1933.0
6°	1918.8	1921.6	1923.0	1924.4	1921.6
7°	1921.6	1923.0	1924.4	1927.3	1924.4
8°	1931.6	1933.0	1934.4	1935.8	1935.8
9°	1951.5	1948.6	1947.2	1952.9	1951.5
10°	1968.5	1964.3	1962.9	1971.4	1972.8
11°	1982.8	1977.1	1975.7	1985.6	1988.5
12°	1992.7	1984.2	1982.8	1995.6	2001.3
13°	1992.7	1981.3	1981.3	1995.6	2004.1
14°	1981.3	1968.5	1968.5	1984.2	1994.1
15°	1954.3	1947.2	1945.8	1958.6	1965.7
17.5°	1840.5	1832.0	1833.4	1847.6	1849.1
20°	1674.1	1669.8	1672.7	1675.5	1681.2
22.5°	1504.9	1502.0	1486.4	1490.6	1493.5
25°	1374.0	1358.4	1334.2	1335.6	1345.6
27.5°	1236.0	1220.4	1186.2	1193.4	1203.3
30°	1059.7	1046.9	1022.7	1026.9	1039.7
32.5°	832.1	857.7	834.9	842.0	837.8
35°	634.4	630.1	640.1	627.3	632.9
37.5°	446.6	448.0	452.3	440.9	440.9
40°	277.4	284.5	288.7	283.0	281.6
42.5°	116.6	159.3	167.8	159.3	118.1
45°	15.6	46.9	93.9	55.5	18.5
47.5°	7.1	10.0	49.8	10.0	7.1
50°	7.1	7.1	19.9	7.1	7.1
52.5°	7.1	7.1	7.1	7.1	7.1
55°	7.1	7.1	7.1	7.1	7.1
57.5°	7.1	7.1	7.1	7.1	7.1
60°	5.7	5.7	5.7	5.7	5.7
62.5°	5.7	5.7	5.7	5.7	5.7
65°	4.3	5.7	5.7	5.7	4.3
67.5°	4.3	4.3	4.3	4.3	4.3
70°	4.3	4.3	4.3	4.3	4.3
72.5°	2.8	2.8	2.8	2.8	2.8
75°	2.8	2.8	2.8	2.8	2.8
77.5°	2.8	2.8	2.8	2.8	2.8
80°	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	1.4	1.4	1.4	1.4
85°	1.4	1.4	1.4	1.4	1.4
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)