

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: P1314854

Luminaire Tested: LDSQA3D17R559730DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314854
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R559730DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

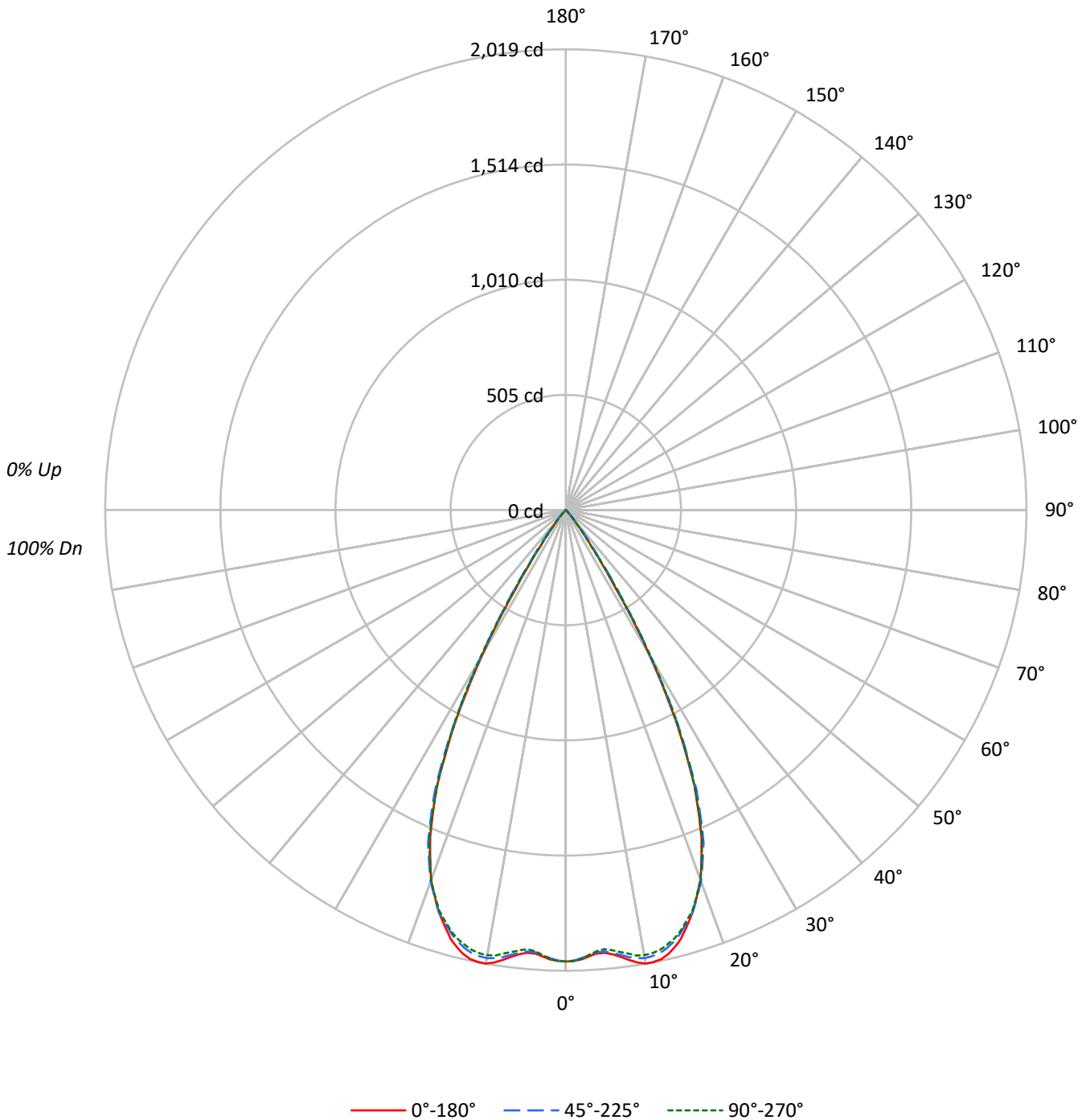
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1504.0 lumens
Efficiency: N/A
Efficacy: 70.9 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
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 (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: P1314854
CATALOG NUMBER: LDSQA3D17R559730DE010 3LSQCDR1MB

Luminous Intensity Polar Plot





TEST NUMBER: P1314854

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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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	340708	340708	340708
5°	336823	335820	334022
10°	353029	348780	346366
15°	347164	343455	342225
20°	316224	317488	316425
25°	253686	257638	253686
30°	145609	149288	150422
35°	41523	50017	42743
40°	10634	15310	10904
45°	1120	5334	852
50°	0	938	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: 5334 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.8	12.5
10°-20°	536.0	35.6
20°-30°	590.3	39.3
30°-40°	176.2	11.7
40°-50°	13.5	0.9
50°-60°	0.1	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°	1314.1	87.4
0°-40°	1490.4	99.1
0°-60°	1504.0	100.0
0°-90°	1504.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1504.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1978	1978	1978	1978	1978	
5°	1948	1945	1942	1934	1932	189
15°	1947	1933	1926	1918	1919	540
25°	1335	1335	1356	1354	1335	585
35°	198	210	238	217	203	163
45°	5	12	22	12	4	9
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: LDSQA3D17R559730DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1978.3	1978.3	1978.3	1978.3	1978.3
1°	1977.1	1977.1	1974.8	1973.7	1977.1
2°	1971.4	1971.4	1965.6	1964.4	1967.9
3°	1958.6	1957.5	1952.9	1949.4	1951.7
4°	1948.3	1945.9	1942.5	1936.7	1937.9
5°	1948.3	1944.8	1942.5	1934.4	1932.1
6°	1957.5	1955.2	1950.6	1942.5	1940.2
7°	1973.7	1969.0	1964.4	1954.0	1951.7
8°	1991.0	1987.5	1978.3	1967.9	1963.3
9°	2008.3	2000.2	1988.7	1978.3	1977.1
10°	2018.7	2007.2	1994.4	1981.7	1980.6
11°	2017.5	2007.2	1992.1	1980.6	1979.4
12°	2012.9	1997.9	1985.2	1971.4	1972.5
13°	1996.8	1982.9	1970.2	1959.8	1957.5
14°	1974.8	1962.1	1950.6	1940.2	1941.3
15°	1947.1	1933.2	1926.3	1918.2	1919.4
17.5°	1848.9	1845.5	1848.9	1839.7	1843.2
20°	1725.4	1721.9	1732.3	1727.7	1726.5
22.5°	1553.3	1557.9	1577.5	1571.8	1561.4
25°	1335.0	1335.0	1355.8	1353.5	1335.0
27.5°	1050.9	1059.0	1071.7	1077.5	1063.6
30°	732.2	750.7	750.7	762.2	756.4
32.5°	408.8	448.1	457.3	463.1	440.0
35°	197.5	210.2	237.9	217.1	203.3
37.5°	94.7	100.5	128.2	103.9	97.0
40°	47.3	54.3	68.1	56.6	48.5
42.5°	19.6	28.9	35.8	28.9	19.6
45°	4.6	11.5	21.9	11.5	3.5
47.5°	0.0	1.2	10.4	2.3	0.0
50°	0.0	0.0	3.5	0.0	0.0
52.5°	0.0	0.0	0.0	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



TEST NUMBER: P1314854
CATALOG NUMBER: LDSQA3D17R559730DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)