

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: P1319431

Luminaire Tested: LDSQA3D17R559835DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319431
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R559835DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

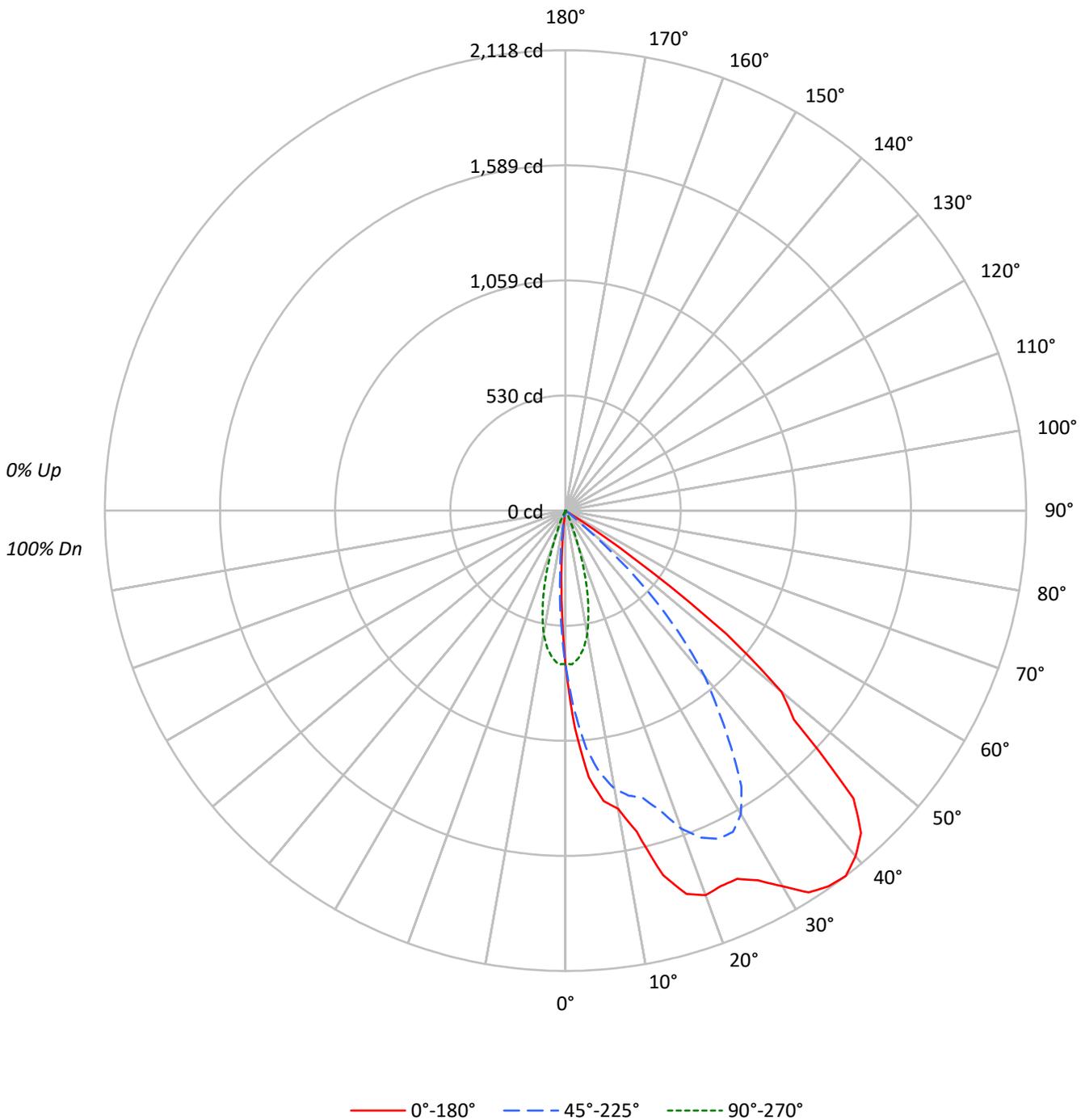
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1305.0 lumens
Efficiency: N/A
Efficacy: 64.0 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (A_{in}): 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: P1319431
CATALOG NUMBER: LDSQA3D17R559835DE010 3LSQCA30R 1MB

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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	88	86	84	82
3	98	91	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	81	78	75	73
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	75	71	68	66
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	64	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	121451	121451	121451	121451	121451
5°	212868	189754	117887	48977	28197
10°	243642	227116	100801	5369	1924
15°	309614	243805	69090	1088	660
20°	345016	285232	30350	0	0
25°	355160	316470	8627	0	0
30°	396796	320711	1213	0	0
35°	443491	278470	0	0	0
40°	466503	224146	0	0	0
45°	456114	141581	0	0	0
50°	347319	28910	0	0	0
55°	113769	0	0	0	0
60°	0	0	0	0	0
65°	0	489	489	0	0
70°	0	604	604	0	0
75°	0	799	799	0	0
80°	0	1190	2479	1190	0
85°	0	2371	2371	2371	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 456114 cd/sqm



TEST NUMBER: P1319431

CATALOG NUMBER: LDSQA3D17R559835DE010 3LSQCA30R 1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.4	4.9
10°-20°	188.8	14.5
20°-30°	307.1	23.5
30°-40°	364.9	28.0
40°-50°	298.4	22.9
50°-60°	79.1	6.1
60°-70°	0.5	0.0
70°-80°	0.8	0.1
80°-90°	0.9	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°	560.3	42.9
0°-40°	925.3	70.9
0°-60°	1302.8	99.8
0°-90°	1305.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1305.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	705	705	705	705	705	
5°	1231	1098	682	283	163	121
15°	1736	1367	388	6	4	485
25°	1869	1665	45	0	0	880
35°	2109	1324	0	0	0	1312
45°	1873	581	0	0	0	1344
55°	379	0	0	0	0	426
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1319431

CATALOG NUMBER: LDSQA3D17R559835DE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	705.2	705.2	705.2	705.2	705.2	705.2	705.2	705.2	705.2	705.2	705.2
2.5°	1000.7	993.4	994.6	990.9	994.6	978.6	961.5	945.5	933.3	916.1	811.9
5°	1231.3	1219.0	1215.3	1210.4	1205.5	1185.9	1170.0	1150.3	1127.0	1097.6	906.3
7.5°	1347.8	1338.0	1333.1	1335.5	1324.5	1317.1	1296.3	1274.2	1249.7	1217.8	977.4
10°	1393.2	1383.4	1382.1	1380.9	1379.7	1374.8	1365.0	1345.3	1323.3	1298.7	1017.9
12.5°	1512.1	1490.0	1475.3	1458.2	1437.3	1410.3	1388.3	1371.1	1362.5	1342.9	1036.3
15°	1736.5	1715.7	1699.8	1677.7	1638.4	1580.8	1528.1	1460.6	1401.7	1367.4	1028.9
17.5°	1849.4	1839.6	1826.1	1811.4	1784.4	1742.7	1688.7	1617.6	1542.8	1445.9	993.4
20°	1882.5	1877.6	1867.8	1861.6	1843.2	1813.8	1777.0	1721.8	1651.9	1556.3	938.2
22.5°	1869.0	1872.7	1877.6	1893.5	1896.0	1875.1	1840.8	1788.1	1716.9	1628.6	853.6
25°	1869.0	1866.5	1866.5	1899.7	1920.5	1910.7	1886.2	1838.3	1766.0	1665.4	749.3
27.5°	1916.8	1902.1	1871.4	1905.8	1940.1	1936.4	1914.4	1858.0	1777.0	1666.6	621.8
30°	1995.3	1963.4	1913.1	1945.0	1976.9	1963.4	1927.9	1855.5	1752.5	1612.7	466.0
32.5°	2082.4	2067.7	2041.9	2062.8	2057.9	2003.9	1940.1	1839.6	1702.2	1504.8	314.0
35°	2109.4	2111.8	2094.6	2091.0	2062.8	2007.6	1940.1	1794.2	1596.7	1324.5	186.4
37.5°	2117.9	2119.2	2092.2	2057.9	2016.2	1951.2	1870.2	1701.0	1401.7	1150.3	99.3
40°	2075.0	2073.8	2029.6	1988.0	1941.4	1877.6	1759.8	1504.8	1216.6	997.0	35.6
42.5°	2011.3	1995.3	1953.6	1902.1	1845.7	1766.0	1582.0	1270.5	1057.1	798.4	2.5
45°	1872.7	1858.0	1824.8	1769.7	1707.1	1594.3	1303.6	1091.5	859.7	581.3	0.0
47.5°	1423.8	1416.5	1450.8	1458.2	1456.9	1328.2	1087.8	890.3	631.6	338.5	0.0
50°	1296.3	1286.5	1252.1	1208.0	1129.5	1021.6	872.0	659.8	370.4	107.9	0.0
52.5°	930.8	962.7	970.1	936.9	863.4	756.7	600.9	380.2	128.8	0.0	0.0
55°	378.9	359.3	374.0	392.4	407.2	374.0	277.2	134.9	1.2	0.0	0.0
57.5°	0.0	1.2	7.4	17.2	28.2	35.6	38.0	2.5	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	1.2	1.2	1.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	2.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	2.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1319431
 CATALOG NUMBER: LDSQA3D17R559835DE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	705.2	705.2	705.2	705.2	705.2
2.5°	707.6	598.5	493.0	435.4	407.2
5°	681.9	457.4	283.3	196.2	163.1
7.5°	638.9	314.0	112.8	46.6	33.1
10°	576.4	180.3	30.7	12.3	11.0
12.5°	486.9	82.2	11.0	8.6	8.6
15°	387.5	28.2	6.1	4.9	3.7
17.5°	272.3	7.4	2.5	0.0	0.0
20°	165.6	1.2	0.0	0.0	0.0
22.5°	92.0	0.0	0.0	0.0	0.0
25°	45.4	0.0	0.0	0.0	0.0
27.5°	19.6	0.0	0.0	0.0	0.0
30°	6.1	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	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°	1.2	0.0	0.0	0.0	0.0
65°	1.2	1.2	0.0	0.0	0.0
67.5°	1.2	1.2	0.0	0.0	0.0
70°	1.2	1.2	0.0	0.0	0.0
72.5°	1.2	1.2	0.0	0.0	0.0
75°	1.2	1.2	0.0	0.0	0.0
77.5°	2.5	1.2	1.2	0.0	0.0
80°	2.5	1.2	1.2	0.0	0.0
82.5°	2.5	1.2	1.2	0.0	0.0
85°	1.2	1.2	1.2	0.0	0.0
87.5°	2.5	1.2	1.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)