

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: P1312769

Luminaire Tested: LDSQA3D17R559050DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312769
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: LDSQA3D17R559050DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

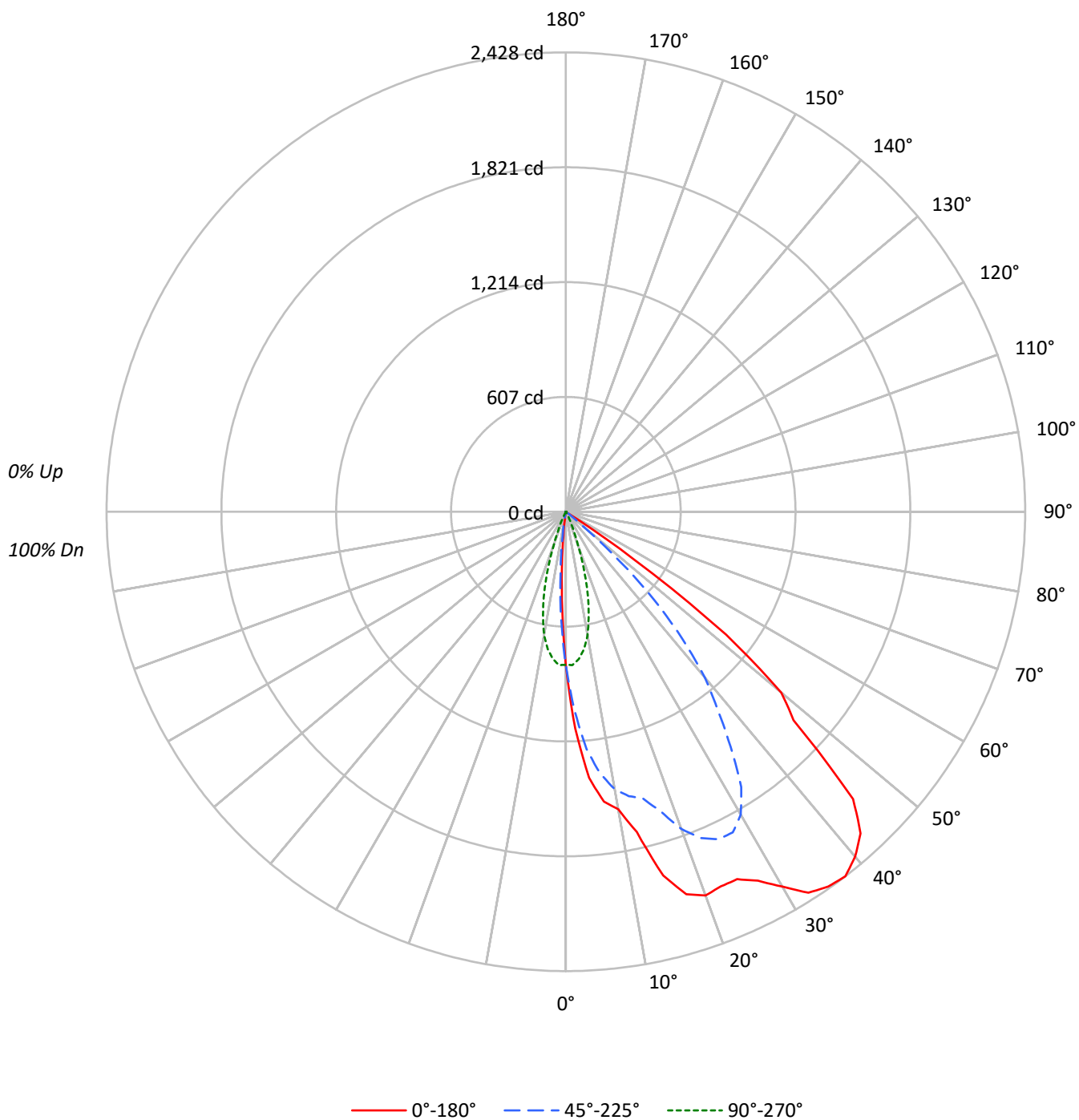
Lumens per Lamp: N/A
Luminaire Lumens: 1496.0 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1312769

CATALOG NUMBER: LDSQA3D17R559050DE010 3LSQCA30R 1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1312769

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	93	93	91
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	84	84	82
3	98	91	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	75	75	73
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	68	68	66
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	61	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	55	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	50	50	48
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	45	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	41	41	40
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	38	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	139225	139225	139225	139225	139225
5°	244021	217536	135141	56152	32329
10°	279300	260361	115560	6138	2221
15°	354938	279482	79218	1248	749
20°	395509	326964	34786	0	0
25°	407132	362799	9881	0	0
30°	454865	367643	1392	0	0
35°	508393	319215	0	0	0
40°	534781	256970	0	0	0
45°	522874	162308	0	0	0
50°	398145	33143	0	0	0
55°	130433	0	0	0	0
60°	0	0	0	0	0
65°	0	571	571	0	0
70°	0	705	705	0	0
75°	0	932	932	0	0
80°	0	1389	2777	1389	0
85°	0	2766	2766	2766	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 522874 cd/sqm

TEST NUMBER: P1312769

CATALOG NUMBER: LDSQA3D17R559050DE010 3LSQCA30R 1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.8	4.9
10°-20°	216.5	14.5
20°-30°	352.0	23.5
30°-40°	418.3	28.0
40°-50°	342.1	22.9
50°-60°	90.7	6.1
60°-70°	0.6	0.0
70°-80°	0.9	0.1
80°-90°	1.1	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°	642.3	42.9
0°-40°	1060.7	70.9
0°-60°	1493.4	99.8
0°-90°	1496.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1496.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	808	808	808	808	808	
5°	1412	1258	782	325	187	138
15°	1991	1568	444	7	4	557
25°	2142	1909	52	0	0	1009
35°	2418	1518	0	0	0	1503
45°	2147	666	0	0	0	1541
55°	434	0	0	0	0	488
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: P1312769

CATALOG NUMBER: LDSQA3D17R559050DE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	808.4	808.4	808.4	808.4	808.4	808.4	808.4	808.4	808.4	808.4	808.4
2.5°	1147.2	1138.8	1140.2	1135.9	1140.2	1121.9	1102.2	1083.9	1069.9	1050.2	930.7
5°	1411.5	1397.4	1393.2	1387.6	1382.0	1359.5	1341.2	1318.7	1292.0	1258.3	1038.9
7.5°	1545.0	1533.8	1528.2	1531.0	1518.3	1509.9	1486.0	1460.7	1432.6	1396.0	1120.5
10°	1597.1	1585.8	1584.4	1583.0	1581.6	1576.0	1564.7	1542.2	1516.9	1488.8	1166.9
12.5°	1733.4	1708.1	1691.3	1671.6	1647.7	1616.7	1591.4	1571.8	1561.9	1539.4	1188.0
15°	1990.7	1966.8	1948.5	1923.2	1878.2	1812.2	1751.7	1674.4	1606.9	1567.5	1179.5
17.5°	2120.0	2108.8	2093.3	2076.5	2045.5	1997.7	1935.9	1854.3	1768.6	1657.5	1138.8
20°	2158.0	2152.4	2141.1	2134.1	2113.0	2079.3	2037.1	1973.8	1893.7	1784.0	1075.5
22.5°	2142.5	2146.8	2152.4	2170.7	2173.5	2149.6	2110.2	2049.8	1968.2	1867.0	978.5
25°	2142.5	2139.7	2139.7	2177.7	2201.6	2190.3	2162.2	2107.4	2024.4	1909.2	859.0
27.5°	2197.4	2180.5	2145.4	2184.7	2224.1	2219.9	2194.6	2129.9	2037.1	1910.6	712.8
30°	2287.3	2250.8	2193.2	2229.7	2266.3	2250.8	2210.0	2127.1	2009.0	1848.7	534.2
32.5°	2387.2	2370.3	2340.8	2364.7	2359.0	2297.2	2224.1	2108.8	1951.3	1725.0	359.9
35°	2418.1	2420.9	2401.2	2397.0	2364.7	2301.4	2224.1	2056.8	1830.4	1518.3	213.7
37.5°	2427.9	2429.3	2398.4	2359.0	2311.2	2236.7	2143.9	1949.9	1606.9	1318.7	113.9
40°	2378.7	2377.3	2326.7	2278.9	2225.5	2152.4	2017.4	1725.0	1394.6	1143.0	40.8
42.5°	2305.6	2287.3	2239.5	2180.5	2115.8	2024.4	1813.6	1456.5	1211.9	915.2	2.8
45°	2146.8	2129.9	2091.9	2028.7	1957.0	1827.6	1494.4	1251.2	985.5	666.4	0.0
47.5°	1632.2	1623.8	1663.1	1671.6	1670.2	1522.6	1247.0	1020.7	724.0	388.0	0.0
50°	1486.0	1474.8	1435.4	1384.8	1294.8	1171.1	999.6	756.4	424.6	123.7	0.0
52.5°	1067.1	1103.6	1112.0	1074.1	989.7	867.4	688.9	435.8	147.6	0.0	0.0
55°	434.4	411.9	428.8	449.9	466.7	428.8	317.7	154.6	1.4	0.0	0.0
57.5°	0.0	1.4	8.4	19.7	32.3	40.8	43.6	2.8	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	1.4
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	1.4	1.4	1.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	2.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	2.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
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: P1312769

CATALOG NUMBER: LDSQA3D17R559050DE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	808.4	808.4	808.4	808.4	808.4
2.5°	811.2	686.1	565.2	499.1	466.7
5°	781.7	524.4	324.8	224.9	187.0
7.5°	732.5	359.9	129.3	53.4	38.0
10°	660.8	206.7	35.1	14.1	12.7
12.5°	558.1	94.2	12.7	9.8	9.8
15°	444.3	32.3	7.0	5.6	4.2
17.5°	312.1	8.4	2.8	0.0	0.0
20°	189.8	1.4	0.0	0.0	0.0
22.5°	105.4	0.0	0.0	0.0	0.0
25°	52.0	0.0	0.0	0.0	0.0
27.5°	22.5	0.0	0.0	0.0	0.0
30°	7.0	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°	1.4	0.0	0.0	0.0	0.0
65°	1.4	1.4	0.0	0.0	0.0
67.5°	1.4	1.4	0.0	0.0	0.0
70°	1.4	1.4	0.0	0.0	0.0
72.5°	1.4	1.4	0.0	0.0	0.0
75°	1.4	1.4	0.0	0.0	0.0
77.5°	2.8	1.4	1.4	0.0	0.0
80°	2.8	1.4	1.4	0.0	0.0
82.5°	2.8	1.4	1.4	0.0	0.0
85°	1.4	1.4	1.4	0.0	0.0
87.5°	2.8	1.4	1.4	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)