

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: P1309613

Luminaire Tested: LDSQA3D20R609030D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309613
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R609030D010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

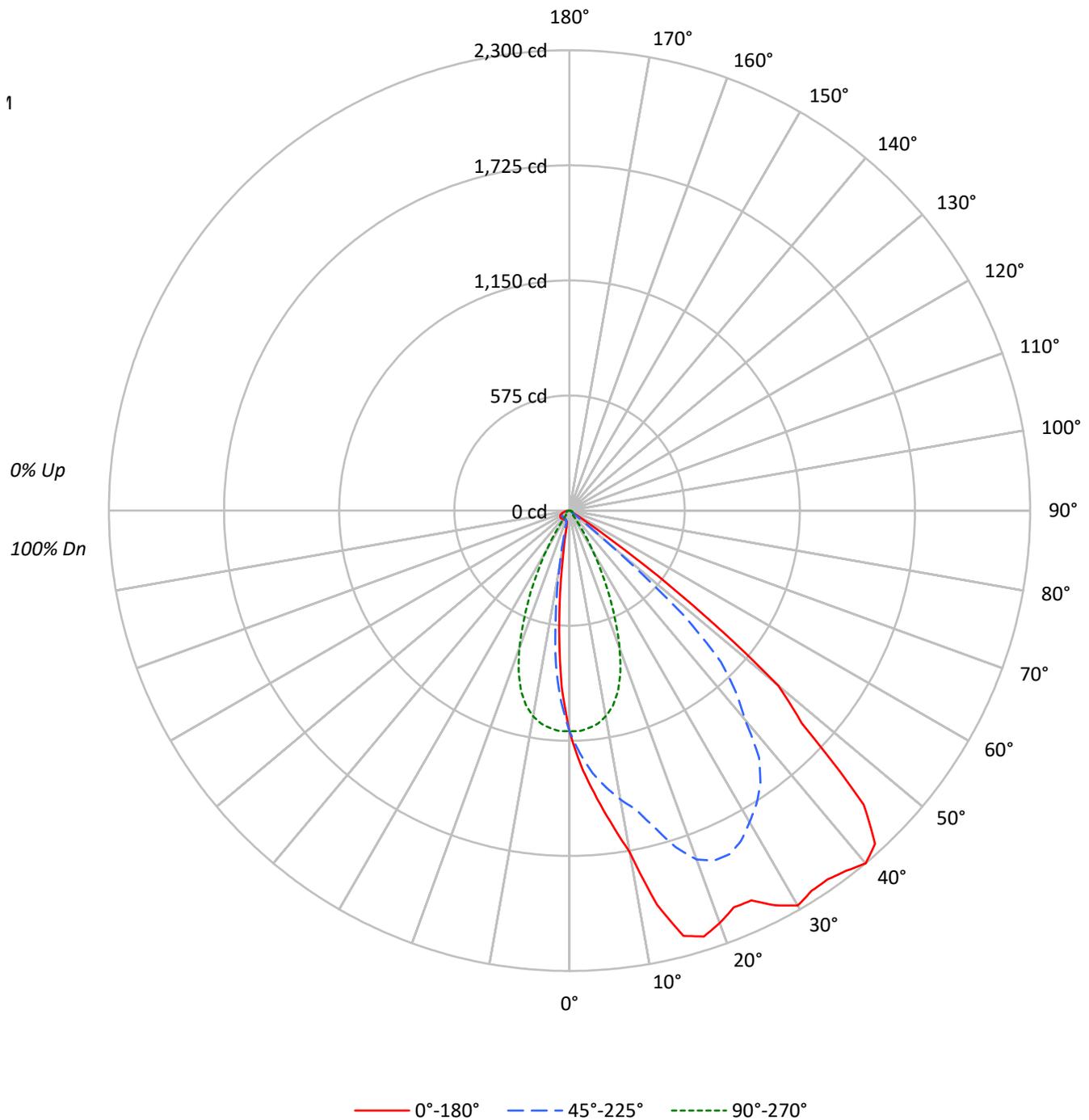
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1789.0 lumens
Efficiency: N/A
Efficacy: 62.1 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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

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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	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90	
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	85	83	81	
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	77	74	72	
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65	
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58	
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	63	58	54	52	
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	53	49	47	
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43	
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	39	
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	41	38	36	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	189669	189669	189669	189669	189669
5°	244989	227476	188630	134328	102501
10°	302769	256391	182539	50802	15057
15°	392095	291820	166530	11144	9931
20°	401813	339903	134048	9292	9604
25°	408272	359796	89864	8988	9634
30°	453115	357381	46356	9068	10082
35°	472652	349427	12783	9587	11017
40°	517200	306453	6070	10252	12140
45°	505995	260414	6162	11106	13566
50°	364761	64250	6779	12218	14924
55°	69991	4054	7086	13181	16725
60°	3479	4064	6992	13950	18049
65°	3423	4116	6887	14467	19275
70°	3424	4230	6798	14452	19538
75°	3394	4525	6721	14639	20229
80°	1686	5058	6744	15075	20133
85°	3359	3359	6719	13437	19958

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 505995 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.8	5.4
10°-20°	264.4	14.8
20°-30°	407.0	22.7
30°-40°	477.5	26.7
40°-50°	382.9	21.4
50°-60°	118.9	6.6
60°-70°	22.5	1.3
70°-80°	15.0	0.8
80°-90°	5.2	0.3
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°	767.1	42.9
0°-40°	1244.6	69.6
0°-60°	1746.4	97.6
0°-90°	1789.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1789.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1101	1101	1101	1101	1101	
5°	1417	1316	1091	777	593	145
15°	2199	1637	934	62	56	602
25°	2148	1893	473	47	51	1014
35°	2248	1662	61	46	52	1423
45°	2078	1069	25	46	56	1487
55°	233	14	24	44	56	369
65°	8	10	17	36	47	8
75°	5	7	10	22	30	5
85°	2	2	3	7	10	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1101.3	1101.3	1101.3	1101.3	1101.3	1101.3	1101.3	1101.3	1101.3	1101.3	1101.3
2.5°	1270.2	1256.6	1256.6	1251.6	1246.5	1248.2	1234.7	1239.8	1226.2	1216.1	1207.7
5°	1417.1	1400.2	1398.5	1390.1	1381.6	1374.9	1358.0	1347.9	1327.6	1315.8	1290.4
7.5°	1569.1	1555.6	1547.2	1537.0	1521.8	1504.9	1476.2	1457.6	1425.5	1393.5	1361.4
10°	1731.3	1719.4	1700.9	1689.0	1646.8	1619.8	1580.9	1555.6	1508.3	1466.1	1417.1
12.5°	2015.0	2008.3	1972.8	1949.2	1888.3	1834.3	1749.8	1682.3	1597.8	1528.6	1462.7
15°	2199.1	2190.7	2172.1	2150.1	2111.3	2050.5	1974.5	1879.9	1761.7	1636.7	1525.2
17.5°	2231.2	2232.9	2221.1	2216.0	2190.7	2151.8	2091.0	2020.1	1901.9	1763.4	1611.3
20°	2192.4	2205.9	2202.5	2212.6	2217.7	2202.5	2162.0	2092.7	1989.7	1854.6	1684.0
22.5°	2145.1	2156.9	2153.5	2172.1	2200.8	2216.0	2202.5	2146.8	2042.0	1891.7	1724.5
25°	2148.5	2156.9	2131.6	2143.4	2180.5	2217.7	2219.4	2170.4	2057.2	1893.4	1721.1
27.5°	2222.8	2197.4	2140.0	2134.9	2180.5	2227.8	2231.2	2170.4	2035.3	1857.9	1687.3
30°	2278.5	2259.9	2195.8	2187.3	2231.2	2263.3	2246.4	2151.8	1982.9	1797.1	1638.4
32.5°	2251.5	2254.9	2227.8	2254.9	2312.3	2325.8	2254.9	2107.9	1910.3	1738.0	1580.9
35°	2248.1	2261.6	2276.8	2319.1	2357.9	2325.8	2212.6	2025.2	1832.6	1662.0	1491.4
37.5°	2268.4	2290.3	2312.3	2349.5	2349.5	2266.7	2101.2	1920.4	1739.7	1553.9	1305.6
40°	2300.5	2314.0	2320.7	2317.4	2271.8	2150.1	1974.5	1793.8	1621.5	1363.1	1182.3
42.5°	2258.2	2256.6	2249.8	2221.1	2136.6	1977.9	1814.0	1667.1	1395.1	1229.6	1023.6
45°	2077.5	2077.5	2058.9	2013.3	1935.6	1803.9	1658.6	1444.1	1271.8	1069.2	760.1
47.5°	1572.5	1560.7	1580.9	1608.0	1608.0	1596.1	1464.4	1278.6	1102.9	771.9	243.2
50°	1361.4	1342.8	1317.5	1322.5	1319.1	1332.7	1248.2	1108.0	815.8	239.8	16.9
52.5°	770.2	804.0	886.7	1003.3	1055.6	1074.2	1021.9	842.8	275.3	15.2	13.5
55°	233.1	239.8	271.9	334.4	454.4	581.0	589.5	273.6	18.6	13.5	13.5
57.5°	10.1	10.1	13.5	20.3	47.3	70.9	76.0	16.9	11.8	13.5	13.5
60°	10.1	10.1	10.1	10.1	10.1	10.1	11.8	11.8	11.8	11.8	13.5
62.5°	8.4	8.4	10.1	10.1	10.1	10.1	10.1	10.1	11.8	11.8	11.8
65°	8.4	8.4	8.4	8.4	8.4	8.4	10.1	10.1	10.1	10.1	11.8
67.5°	6.8	6.8	6.8	8.4	8.4	8.4	8.4	8.4	10.1	10.1	10.1
70°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	8.4	8.4	8.4	8.4
72.5°	5.1	5.1	5.1	5.1	5.1	6.8	6.8	6.8	6.8	6.8	8.4
75°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	6.8	6.8	6.8	6.8
77.5°	3.4	3.4	3.4	3.4	3.4	5.1	5.1	5.1	5.1	5.1	5.1
80°	1.7	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	5.1	5.1
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	3.4	3.4	3.4
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4
87.5°	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1101.3	1101.3	1101.3	1101.3	1101.3	1101.3	1101.3	1101.3
2.5°	1195.8	1182.3	1167.1	1102.9	1040.4	956.0	898.6	881.7
5°	1268.5	1246.5	1212.7	1091.1	944.2	777.0	641.8	592.9
7.5°	1329.3	1295.5	1248.2	1074.2	829.3	527.0	339.5	287.1
10°	1373.2	1331.0	1270.2	1043.8	677.3	290.5	114.9	86.1
12.5°	1410.3	1354.6	1282.0	998.2	493.2	118.2	59.1	59.1
15°	1435.7	1368.1	1287.0	934.0	319.2	62.5	55.7	55.7
17.5°	1471.2	1383.3	1287.0	844.5	174.0	54.0	54.0	54.0
20°	1528.6	1398.5	1268.5	731.4	96.3	50.7	52.4	52.4
22.5°	1559.0	1420.5	1244.8	599.6	60.8	49.0	50.7	50.7
25°	1565.7	1417.1	1194.2	472.9	49.0	47.3	49.0	50.7
27.5°	1542.1	1393.5	1126.6	344.6	43.9	45.6	49.0	50.7
30°	1499.9	1336.0	1018.5	233.1	40.5	45.6	49.0	50.7
32.5°	1420.5	1197.5	891.8	140.2	38.8	45.6	49.0	52.4
35°	1243.1	1052.3	746.6	60.8	37.2	45.6	50.7	52.4
37.5°	1114.8	907.0	577.7	30.4	37.2	45.6	50.7	54.0
40°	972.9	729.7	266.9	27.0	37.2	45.6	50.7	54.0
42.5°	741.5	337.8	32.1	27.0	35.5	45.6	52.4	54.0
45°	270.2	35.5	16.9	25.3	35.5	45.6	52.4	55.7
47.5°	20.3	13.5	15.2	25.3	35.5	45.6	52.4	55.7
50°	13.5	13.5	15.2	25.3	35.5	45.6	52.4	55.7
52.5°	13.5	15.2	15.2	23.6	33.8	45.6	52.4	55.7
55°	13.5	15.2	15.2	23.6	33.8	43.9	52.4	55.7
57.5°	13.5	13.5	15.2	22.0	32.1	42.2	52.4	54.0
60°	13.5	13.5	15.2	20.3	30.4	40.5	49.0	52.4
62.5°	13.5	13.5	13.5	18.6	28.7	38.8	47.3	50.7
65°	11.8	11.8	13.5	16.9	25.3	35.5	43.9	47.3
67.5°	10.1	11.8	11.8	15.2	23.6	32.1	40.5	43.9
70°	10.1	10.1	10.1	13.5	20.3	28.7	37.2	38.8
72.5°	8.4	8.4	10.1	11.8	18.6	25.3	33.8	35.5
75°	6.8	8.4	8.4	10.1	15.2	22.0	28.7	30.4
77.5°	6.8	6.8	6.8	8.4	13.5	18.6	23.6	25.3
80°	5.1	5.1	5.1	6.8	10.1	15.2	18.6	20.3
82.5°	3.4	5.1	5.1	5.1	8.4	10.1	13.5	15.2
85°	3.4	3.4	3.4	3.4	5.1	6.8	8.4	10.1
87.5°	1.7	1.7	3.4	3.4	3.4	3.4	3.4	5.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)