

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: P1320464

Luminaire Tested: LDSQA3D20R609840D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320464
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: LDSQA3D20R609840D010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

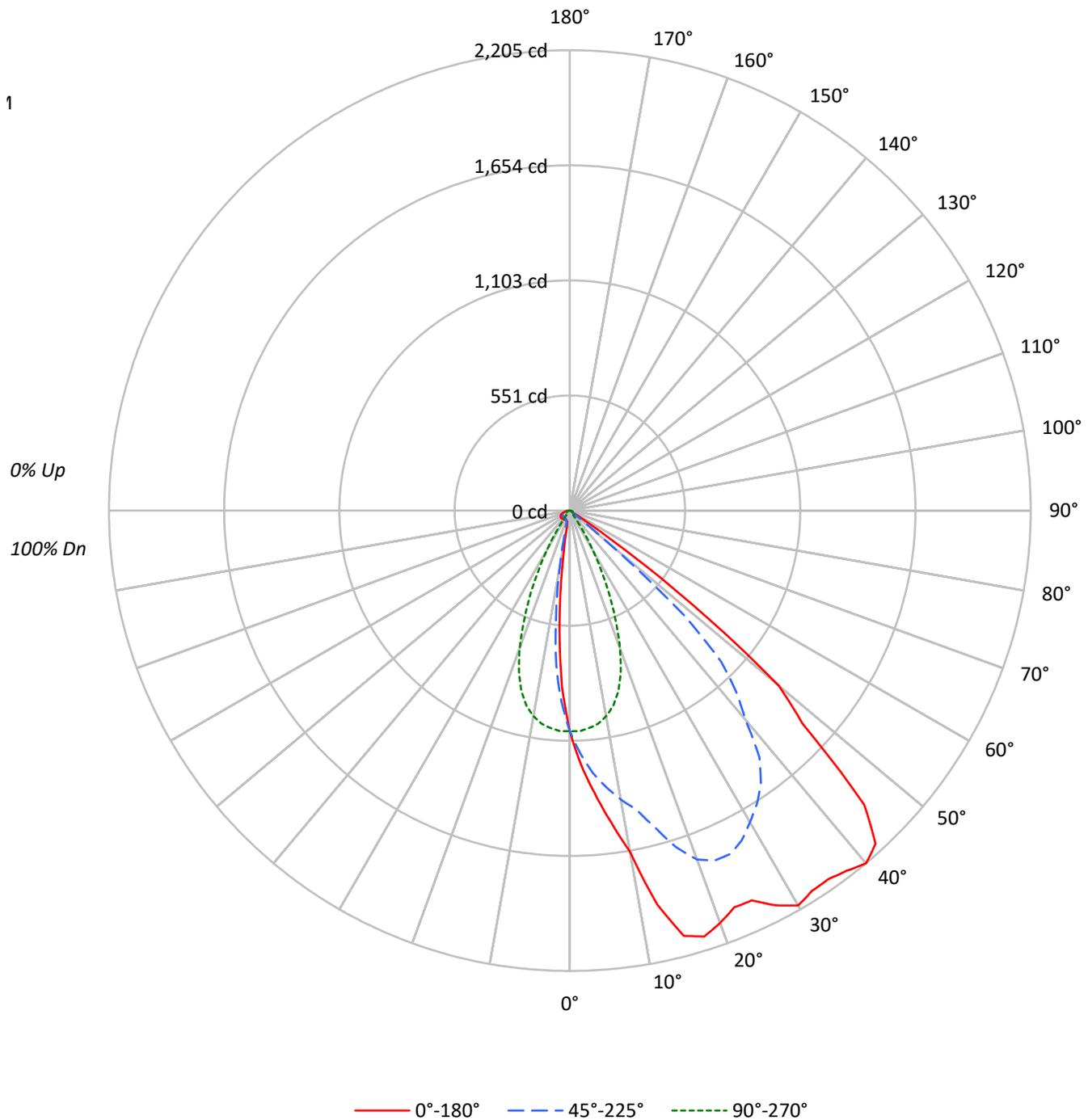
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1715.0 lumens
Efficiency: N/A
Efficacy: 62.6 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): 27.4
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

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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°	181815	181815	181815	181815	181815
5°	234858	218054	180833	128761	98248
10°	290247	245776	174984	48704	14445
15°	375888	279750	159648	10680	9521
20°	385190	325846	128494	8907	9200
25°	391379	344917	86158	8608	9235
30°	434382	342606	44427	8690	9665
35°	453099	334983	12257	9188	10554
40°	495797	293773	5823	9825	11646
45°	485073	249624	5918	10644	13006
50°	349677	61597	6511	11709	14308
55°	67078	3903	6816	12641	16034
60°	3341	3892	6682	13399	17291
65°	3301	3953	6602	13855	18460
70°	3273	4079	6546	13847	18732
75°	3261	4325	6455	13974	19364
80°	1587	4860	6447	14480	19241
85°	3162	3162	6323	12844	19168

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 485073 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.8	5.4
10°-20°	253.5	14.8
20°-30°	390.1	22.7
30°-40°	457.7	26.7
40°-50°	367.1	21.4
50°-60°	114.0	6.6
60°-70°	21.6	1.3
70°-80°	14.3	0.8
80°-90°	5.0	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°	735.4	42.9
0°-40°	1193.1	69.6
0°-60°	1674.2	97.6
0°-90°	1715.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1715.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1056	1056	1056	1056	1056	
5°	1358	1261	1046	745	568	139
15°	2108	1569	895	60	53	577
25°	2060	1815	453	45	49	972
35°	2155	1593	58	44	50	1364
45°	1992	1025	24	44	53	1425
55°	223	13	23	42	53	354
65°	8	10	16	34	45	8
75°	5	6	10	21	29	4
85°	2	2	3	6	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°	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7
2.5°	1217.6	1204.7	1204.7	1199.8	1194.9	1196.6	1183.6	1188.5	1175.5	1165.8	1157.7
5°	1358.5	1342.3	1340.7	1332.6	1324.5	1318.0	1301.8	1292.1	1272.7	1261.3	1237.0
7.5°	1504.2	1491.3	1483.2	1473.4	1458.9	1442.7	1415.2	1397.3	1366.6	1335.8	1305.1
10°	1659.7	1648.3	1630.5	1619.2	1578.7	1552.8	1515.5	1491.3	1445.9	1405.4	1358.5
12.5°	1931.7	1925.2	1891.2	1868.5	1810.2	1758.4	1677.5	1612.7	1531.7	1465.4	1402.2
15°	2108.2	2100.1	2082.3	2061.2	2024.0	1965.7	1892.8	1802.1	1688.8	1569.0	1462.1
17.5°	2138.9	2140.5	2129.2	2124.4	2100.1	2062.8	2004.5	1936.5	1823.2	1690.4	1544.7
20°	2101.7	2114.6	2111.4	2121.1	2126.0	2111.4	2072.5	2006.2	1907.4	1777.9	1614.3
22.5°	2056.4	2067.7	2064.4	2082.3	2109.8	2124.4	2111.4	2058.0	1957.6	1813.5	1653.2
25°	2059.6	2067.7	2043.4	2054.7	2090.4	2126.0	2127.6	2080.6	1972.2	1815.1	1649.9
27.5°	2130.8	2106.5	2051.5	2046.6	2090.4	2135.7	2138.9	2080.6	1951.1	1781.1	1617.6
30°	2184.3	2166.5	2104.9	2096.8	2138.9	2169.7	2153.5	2062.8	1900.9	1722.8	1570.6
32.5°	2158.4	2161.6	2135.7	2161.6	2216.6	2229.6	2161.6	2020.7	1831.3	1666.1	1515.5
35°	2155.1	2168.1	2182.6	2223.1	2260.4	2229.6	2121.1	1941.4	1756.8	1593.3	1429.7
37.5°	2174.5	2195.6	2216.6	2252.3	2252.3	2172.9	2014.3	1841.0	1667.7	1489.6	1251.6
40°	2205.3	2218.3	2224.7	2221.5	2177.8	2061.2	1892.8	1719.6	1554.4	1306.7	1133.4
42.5°	2164.8	2163.2	2156.7	2129.2	2048.3	1896.1	1739.0	1598.1	1337.4	1178.8	981.2
45°	1991.6	1991.6	1973.8	1930.1	1855.6	1729.3	1590.0	1384.4	1219.2	1024.9	728.6
47.5°	1507.5	1496.1	1515.5	1541.5	1541.5	1530.1	1403.8	1225.7	1057.3	740.0	233.2
50°	1305.1	1287.2	1263.0	1267.8	1264.6	1277.5	1196.6	1062.2	782.1	229.9	16.2
52.5°	738.3	770.7	850.1	961.8	1012.0	1029.8	979.6	808.0	263.9	14.6	13.0
55°	223.4	229.9	260.7	320.6	435.6	557.0	565.1	262.3	17.8	13.0	13.0
57.5°	9.7	9.7	13.0	19.4	45.3	68.0	72.9	16.2	11.3	13.0	13.0
60°	9.7	9.7	9.7	9.7	9.7	9.7	11.3	11.3	11.3	11.3	13.0
62.5°	8.1	8.1	9.7	9.7	9.7	9.7	9.7	9.7	11.3	11.3	11.3
65°	8.1	8.1	8.1	8.1	8.1	8.1	9.7	9.7	9.7	9.7	11.3
67.5°	6.5	6.5	6.5	8.1	8.1	8.1	8.1	8.1	9.7	9.7	9.7
70°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	8.1	8.1	8.1	8.1
72.5°	4.9	4.9	4.9	4.9	4.9	6.5	6.5	6.5	6.5	6.5	8.1
75°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	6.5	6.5	6.5	6.5
77.5°	3.2	3.2	3.2	3.2	3.2	4.9	4.9	4.9	4.9	4.9	4.9
80°	1.6	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	4.9	4.9
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2	3.2	3.2	3.2
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2
87.5°	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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°	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7
2.5°	1146.4	1133.4	1118.8	1057.3	997.4	916.5	861.4	845.2
5°	1216.0	1194.9	1162.6	1046.0	905.1	744.8	615.3	568.3
7.5°	1274.3	1241.9	1196.6	1029.8	795.0	505.2	325.5	275.3
10°	1316.4	1275.9	1217.6	1000.6	649.3	278.5	110.1	82.6
12.5°	1352.0	1298.6	1229.0	956.9	472.8	113.3	56.7	56.7
15°	1376.3	1311.5	1233.8	895.4	306.0	59.9	53.4	53.4
17.5°	1410.3	1326.1	1233.8	809.6	166.8	51.8	51.8	51.8
20°	1465.4	1340.7	1216.0	701.1	92.3	48.6	50.2	50.2
22.5°	1494.5	1361.7	1193.3	574.8	58.3	47.0	48.6	48.6
25°	1501.0	1358.5	1144.8	453.4	47.0	45.3	47.0	48.6
27.5°	1478.3	1335.8	1080.0	330.3	42.1	43.7	47.0	48.6
30°	1437.8	1280.8	976.4	223.4	38.9	43.7	47.0	48.6
32.5°	1361.7	1148.0	854.9	134.4	37.2	43.7	47.0	50.2
35°	1191.7	1008.7	715.7	58.3	35.6	43.7	48.6	50.2
37.5°	1068.7	869.5	553.8	29.1	35.6	43.7	48.6	51.8
40°	932.6	699.5	255.8	25.9	35.6	43.7	48.6	51.8
42.5°	710.8	323.8	30.8	25.9	34.0	43.7	50.2	51.8
45°	259.1	34.0	16.2	24.3	34.0	43.7	50.2	53.4
47.5°	19.4	13.0	14.6	24.3	34.0	43.7	50.2	53.4
50°	13.0	13.0	14.6	24.3	34.0	43.7	50.2	53.4
52.5°	13.0	14.6	14.6	22.7	32.4	43.7	50.2	53.4
55°	13.0	14.6	14.6	22.7	32.4	42.1	50.2	53.4
57.5°	13.0	13.0	14.6	21.0	30.8	40.5	50.2	51.8
60°	13.0	13.0	14.6	19.4	29.1	38.9	47.0	50.2
62.5°	13.0	13.0	13.0	17.8	27.5	37.2	45.3	48.6
65°	11.3	11.3	13.0	16.2	24.3	34.0	42.1	45.3
67.5°	9.7	11.3	11.3	14.6	22.7	30.8	38.9	42.1
70°	9.7	9.7	9.7	13.0	19.4	27.5	35.6	37.2
72.5°	8.1	8.1	9.7	11.3	17.8	24.3	32.4	34.0
75°	6.5	8.1	8.1	9.7	14.6	21.0	27.5	29.1
77.5°	6.5	6.5	6.5	8.1	13.0	17.8	22.7	24.3
80°	4.9	4.9	4.9	6.5	9.7	14.6	17.8	19.4
82.5°	3.2	4.9	4.9	4.9	8.1	9.7	13.0	14.6
85°	3.2	3.2	3.2	3.2	4.9	6.5	8.1	9.7
87.5°	1.6	1.6	3.2	3.2	3.2	3.2	3.2	4.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)