

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: P1315016

Luminaire Tested: LDSQA3D20R609730D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315016  
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: LDSQA3D20R609730D010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

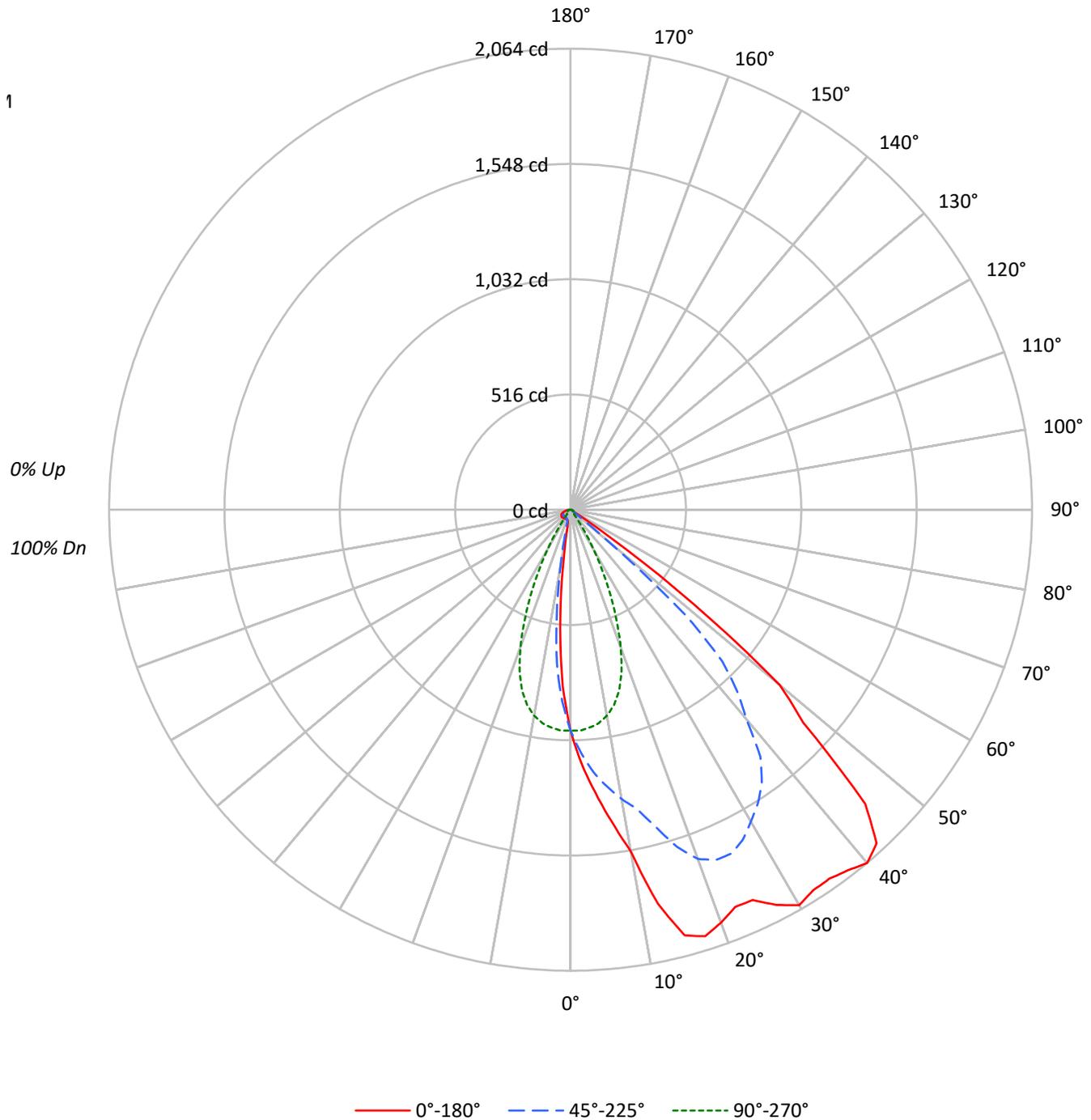
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1605.0 lumens  
Efficiency: N/A  
Efficacy: 55.7 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 (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

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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°	170156	170156	170156	170156	170156
5°	219800	204068	169233	120498	91955
10°	271623	230019	163775	45574	13518
15°	351764	261795	149414	10003	8915
20°	360485	304934	120247	8339	8614
25°	366276	322798	80628	8057	8646
30°	406521	320631	41583	8134	9048
35°	424043	313496	11479	8599	9882
40°	464007	274933	5441	9195	10904
45°	453946	233622	5529	9962	12178
50°	327224	57659	6082	10958	13397
55°	62785	3633	6366	11830	15013
60°	3134	3651	6269	12538	16189
65°	3097	3708	6194	12959	17279
70°	3072	3827	6093	12991	17574
75°	2994	4059	6055	13109	18166
80°	1488	4463	6050	13488	18051
85°	2964	2964	5928	12054	17982

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 453946 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.9	5.4
10°-20°	237.2	14.8
20°-30°	365.1	22.7
30°-40°	428.4	26.7
40°-50°	343.5	21.4
50°-60°	106.7	6.6
60°-70°	20.2	1.3
70°-80°	13.4	0.8
80°-90°	4.6	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°	688.2	42.9
0°-40°	1116.6	69.6
0°-60°	1566.8	97.6
0°-90°	1605.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1605.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	988	988	988	988	988	
5°	1271	1180	979	697	532	130
15°	1973	1468	838	56	50	540
25°	1928	1699	424	42	46	910
35°	2017	1491	55	41	47	1276
45°	1864	959	23	41	50	1334
55°	209	12	21	39	50	331
65°	8	9	15	32	42	7
75°	4	6	9	20	27	4
85°	2	2	3	6	9	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°	988.0	988.0	988.0	988.0	988.0	988.0	988.0	988.0	988.0	988.0	988.0
2.5°	1139.5	1127.4	1127.4	1122.9	1118.3	1119.8	1107.7	1112.2	1100.1	1091.0	1083.5
5°	1271.4	1256.2	1254.7	1247.1	1239.5	1233.5	1218.3	1209.2	1191.0	1180.4	1157.7
7.5°	1407.7	1395.6	1388.0	1378.9	1365.3	1350.1	1324.4	1307.7	1278.9	1250.1	1221.3
10°	1553.2	1542.6	1525.9	1515.3	1477.4	1453.2	1418.3	1395.6	1353.2	1315.3	1271.4
12.5°	1807.8	1801.7	1769.9	1748.7	1694.1	1645.6	1569.9	1509.3	1433.5	1371.4	1312.3
15°	1972.9	1965.4	1948.7	1929.0	1894.1	1839.6	1771.4	1686.6	1580.5	1468.3	1368.3
17.5°	2001.7	2003.3	1992.6	1988.1	1965.4	1930.5	1876.0	1812.3	1706.3	1582.0	1445.6
20°	1966.9	1979.0	1976.0	1985.1	1989.6	1976.0	1939.6	1877.5	1785.0	1663.8	1510.8
22.5°	1924.5	1935.1	1932.0	1948.7	1974.5	1988.1	1976.0	1926.0	1832.0	1697.2	1547.1
25°	1927.5	1935.1	1912.3	1922.9	1956.3	1989.6	1991.1	1947.2	1845.7	1698.7	1544.1
27.5°	1994.2	1971.4	1919.9	1915.4	1956.3	1998.7	2001.7	1947.2	1826.0	1666.9	1513.8
30°	2044.2	2027.5	1969.9	1962.3	2001.7	2030.5	2015.4	1930.5	1779.0	1612.3	1469.9
32.5°	2019.9	2023.0	1998.7	2023.0	2074.5	2086.6	2023.0	1891.1	1713.8	1559.3	1418.3
35°	2016.9	2029.0	2042.7	2080.5	2115.4	2086.6	1985.1	1816.9	1644.1	1491.1	1338.0
37.5°	2035.1	2054.8	2074.5	2107.8	2107.8	2033.6	1885.1	1722.9	1560.8	1394.1	1171.3
40°	2063.9	2076.0	2082.0	2079.0	2038.1	1929.0	1771.4	1609.3	1454.7	1222.9	1060.7
42.5°	2026.0	2024.5	2018.4	1992.6	1916.9	1774.4	1627.5	1495.6	1251.7	1103.2	918.3
45°	1863.8	1863.8	1847.2	1806.3	1736.6	1618.4	1488.0	1295.6	1141.0	959.2	681.9
47.5°	1410.8	1400.2	1418.3	1442.6	1442.6	1432.0	1313.8	1147.1	989.5	692.5	218.2
50°	1221.3	1204.7	1181.9	1186.5	1183.5	1195.6	1119.8	994.0	731.9	215.2	15.2
52.5°	691.0	721.3	795.5	900.1	947.1	963.7	916.8	756.1	247.0	13.6	12.1
55°	209.1	215.2	244.0	300.0	407.6	521.3	528.8	245.5	16.7	12.1	12.1
57.5°	9.1	9.1	12.1	18.2	42.4	63.6	68.2	15.2	10.6	12.1	12.1
60°	9.1	9.1	9.1	9.1	9.1	9.1	10.6	10.6	10.6	10.6	12.1
62.5°	7.6	7.6	9.1	9.1	9.1	9.1	9.1	9.1	10.6	10.6	10.6
65°	7.6	7.6	7.6	7.6	7.6	7.6	9.1	9.1	9.1	9.1	10.6
67.5°	6.1	6.1	6.1	7.6	7.6	7.6	7.6	7.6	9.1	9.1	9.1
70°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	7.6	7.6	7.6	7.6
72.5°	4.5	4.5	4.5	4.5	4.5	6.1	6.1	6.1	6.1	6.1	7.6
75°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	6.1	6.1	6.1	6.1
77.5°	3.0	3.0	3.0	3.0	3.0	4.5	4.5	4.5	4.5	4.5	4.5
80°	1.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	4.5
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	3.0	3.0	3.0
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0
87.5°	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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°	988.0	988.0	988.0	988.0	988.0	988.0	988.0	988.0
2.5°	1072.8	1060.7	1047.1	989.5	933.4	857.7	806.2	791.0
5°	1138.0	1118.3	1088.0	978.9	847.1	697.0	575.8	531.9
7.5°	1192.6	1162.3	1119.8	963.7	744.0	472.8	304.6	257.6
10°	1232.0	1194.1	1139.5	936.5	607.6	260.6	103.0	77.3
12.5°	1265.3	1215.3	1150.1	895.6	442.5	106.1	53.0	53.0
15°	1288.0	1227.4	1154.7	838.0	286.4	56.1	50.0	50.0
17.5°	1319.8	1241.0	1154.7	757.7	156.1	48.5	48.5	48.5
20°	1371.4	1254.7	1138.0	656.1	86.4	45.5	47.0	47.0
22.5°	1398.6	1274.4	1116.8	537.9	54.6	43.9	45.5	45.5
25°	1404.7	1271.4	1071.3	424.3	43.9	42.4	43.9	45.5
27.5°	1383.5	1250.1	1010.7	309.1	39.4	40.9	43.9	45.5
30°	1345.6	1198.6	913.7	209.1	36.4	40.9	43.9	45.5
32.5°	1274.4	1074.4	800.1	125.8	34.9	40.9	43.9	47.0
35°	1115.3	944.0	669.8	54.6	33.3	40.9	45.5	47.0
37.5°	1000.1	813.7	518.2	27.3	33.3	40.9	45.5	48.5
40°	872.8	654.6	239.4	24.2	33.3	40.9	45.5	48.5
42.5°	665.2	303.1	28.8	24.2	31.8	40.9	47.0	48.5
45°	242.5	31.8	15.2	22.7	31.8	40.9	47.0	50.0
47.5°	18.2	12.1	13.6	22.7	31.8	40.9	47.0	50.0
50°	12.1	12.1	13.6	22.7	31.8	40.9	47.0	50.0
52.5°	12.1	13.6	13.6	21.2	30.3	40.9	47.0	50.0
55°	12.1	13.6	13.6	21.2	30.3	39.4	47.0	50.0
57.5°	12.1	12.1	13.6	19.7	28.8	37.9	47.0	48.5
60°	12.1	12.1	13.6	18.2	27.3	36.4	43.9	47.0
62.5°	12.1	12.1	12.1	16.7	25.8	34.9	42.4	45.5
65°	10.6	10.6	12.1	15.2	22.7	31.8	39.4	42.4
67.5°	9.1	10.6	10.6	13.6	21.2	28.8	36.4	39.4
70°	9.1	9.1	9.1	12.1	18.2	25.8	33.3	34.9
72.5°	7.6	7.6	9.1	10.6	16.7	22.7	30.3	31.8
75°	6.1	7.6	7.6	9.1	13.6	19.7	25.8	27.3
77.5°	6.1	6.1	6.1	7.6	12.1	16.7	21.2	22.7
80°	4.5	4.5	4.5	6.1	9.1	13.6	16.7	18.2
82.5°	3.0	4.5	4.5	4.5	7.6	9.1	12.1	13.6
85°	3.0	3.0	3.0	3.0	4.5	6.1	7.6	9.1
87.5°	1.5	1.5	3.0	3.0	3.0	3.0	3.0	4.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)