

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: P1310731

Luminaire Tested: LDSQA3D20R609035D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310731  
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: LDSQA3D20R609035D010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

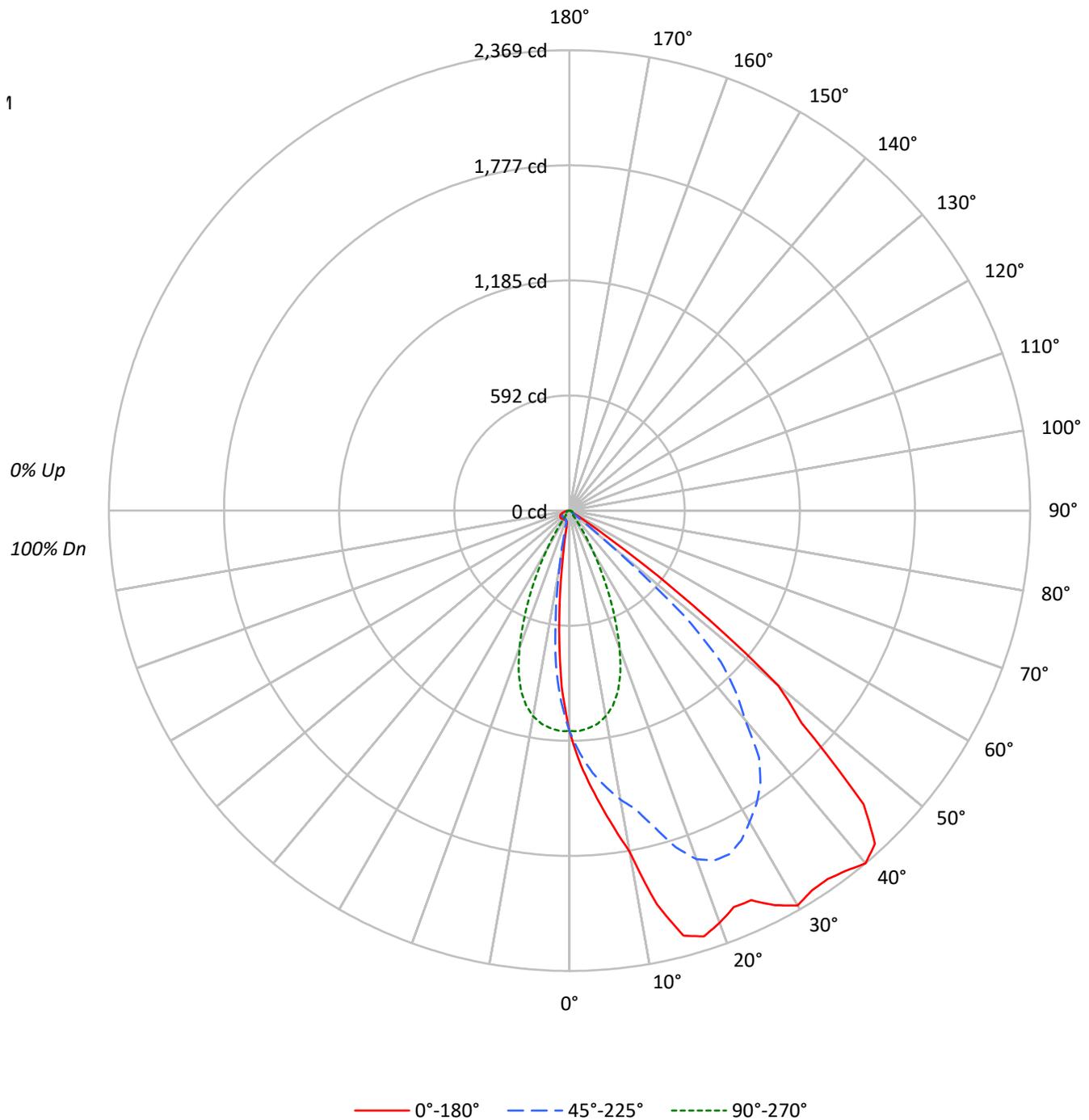
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1842.0 lumens  
Efficiency: N/A  
Efficacy: 64.0 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°	195283	195283	195283	195283	195283
5°	252250	234201	194214	138304	105526
10°	311740	263981	187943	52306	15512
15°	403720	300468	171469	11465	10234
20°	413708	349965	138006	9567	9879
25°	420358	370457	92524	9254	9919
30°	466539	367981	47728	9347	10381
35°	486654	359792	13161	9882	11332
40°	532510	315513	6250	10567	12523
45°	520998	268110	6357	11447	13980
50°	375559	66152	6993	12593	15379
55°	72063	4174	7296	13572	17235
60°	3582	4202	7199	14363	18566
65°	3545	4238	7091	14874	19846
70°	3525	4381	6999	14905	20142
75°	3460	4658	6920	15038	20828
80°	1686	5157	6943	15571	20728
85°	3359	3359	6916	13832	20551

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 520998 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.6	5.4
10°-20°	272.2	14.8
20°-30°	419.0	22.7
30°-40°	491.6	26.7
40°-50°	394.2	21.4
50°-60°	122.4	6.6
60°-70°	23.1	1.3
70°-80°	15.4	0.8
80°-90°	5.3	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°	789.8	42.9
0°-40°	1281.5	69.6
0°-60°	1798.1	97.6
0°-90°	1842.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1842.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1134	1134	1134	1134	1134	
5°	1459	1355	1123	800	610	149
15°	2264	1685	962	64	57	620
25°	2212	1950	487	49	52	1044
35°	2315	1711	63	47	54	1465
45°	2139	1101	26	47	57	1531
55°	240	14	24	45	57	380
65°	9	10	17	36	49	8
75°	5	7	10	23	31	5
85°	2	2	4	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°	1133.9	1133.9	1133.9	1133.9	1133.9	1133.9	1133.9	1133.9	1133.9	1133.9	1133.9
2.5°	1307.8	1293.9	1293.9	1288.7	1283.4	1285.2	1271.3	1276.5	1262.6	1252.1	1243.4
5°	1459.1	1441.7	1440.0	1431.3	1422.6	1415.6	1398.2	1387.8	1366.9	1354.7	1328.7
7.5°	1615.6	1601.7	1593.0	1582.6	1566.9	1549.5	1520.0	1500.8	1467.8	1434.7	1401.7
10°	1782.6	1770.4	1751.3	1739.1	1695.6	1667.8	1627.8	1601.7	1553.0	1509.5	1459.1
12.5°	2074.7	2067.8	2031.2	2006.9	1944.3	1888.6	1801.7	1732.1	1645.2	1573.9	1506.0
15°	2264.3	2255.6	2236.5	2213.8	2173.8	2111.2	2033.0	1935.6	1813.9	1685.2	1570.4
17.5°	2297.3	2299.1	2286.9	2281.7	2255.6	2215.6	2153.0	2079.9	1958.2	1815.6	1659.1
20°	2257.3	2271.2	2267.8	2278.2	2283.4	2267.8	2226.0	2154.7	2048.6	1909.5	1733.9
22.5°	2208.6	2220.8	2217.3	2236.5	2266.0	2281.7	2267.8	2210.4	2102.5	1947.8	1775.6
25°	2212.1	2220.8	2194.7	2206.9	2245.1	2283.4	2285.1	2234.7	2118.2	1949.5	1772.1
27.5°	2288.6	2262.5	2203.4	2198.2	2245.1	2293.8	2297.3	2234.7	2095.6	1913.0	1737.3
30°	2346.0	2326.9	2260.8	2252.1	2297.3	2330.4	2313.0	2215.6	2041.7	1850.4	1686.9
32.5°	2318.2	2321.7	2293.8	2321.7	2380.8	2394.7	2321.7	2170.4	1966.9	1789.5	1627.8
35°	2314.7	2328.6	2344.3	2387.8	2427.8	2394.7	2278.2	2085.2	1886.9	1711.3	1535.6
37.5°	2335.6	2358.2	2380.8	2419.1	2419.1	2333.8	2163.4	1977.3	1791.2	1600.0	1344.3
40°	2368.6	2382.5	2389.5	2386.0	2339.1	2213.8	2033.0	1846.9	1669.5	1403.4	1217.4
42.5°	2325.1	2323.4	2316.5	2286.9	2199.9	2036.5	1867.8	1716.5	1436.5	1266.0	1053.9
45°	2139.1	2139.1	2119.9	2073.0	1993.0	1857.3	1707.8	1486.9	1309.5	1100.8	782.6
47.5°	1619.1	1606.9	1627.8	1655.6	1655.6	1643.4	1507.8	1316.5	1135.6	794.8	250.4
50°	1401.7	1382.6	1356.5	1361.7	1358.2	1372.1	1285.2	1140.8	840.0	246.9	17.4
52.5°	793.0	827.8	913.0	1033.0	1086.9	1106.1	1052.1	867.8	283.5	15.7	13.9
55°	240.0	246.9	280.0	344.3	467.8	598.2	606.9	281.7	19.1	13.9	13.9
57.5°	10.4	10.4	13.9	20.9	48.7	73.0	78.3	17.4	12.2	13.9	13.9
60°	10.4	10.4	10.4	10.4	10.4	10.4	12.2	12.2	12.2	12.2	13.9
62.5°	8.7	8.7	10.4	10.4	10.4	10.4	10.4	10.4	12.2	12.2	12.2
65°	8.7	8.7	8.7	8.7	8.7	8.7	10.4	10.4	10.4	10.4	12.2
67.5°	7.0	7.0	7.0	8.7	8.7	8.7	8.7	8.7	10.4	10.4	10.4
70°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	8.7	8.7	8.7	8.7
72.5°	5.2	5.2	5.2	5.2	5.2	7.0	7.0	7.0	7.0	7.0	8.7
75°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	7.0	7.0	7.0	7.0
77.5°	3.5	3.5	3.5	3.5	3.5	5.2	5.2	5.2	5.2	5.2	5.2
80°	1.7	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.2	5.2
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	3.5	3.5	3.5	3.5	3.5
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5
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°	1133.9	1133.9	1133.9	1133.9	1133.9	1133.9	1133.9	1133.9
2.5°	1231.3	1217.4	1201.7	1135.6	1071.3	984.3	925.2	907.8
5°	1306.0	1283.4	1248.7	1123.4	972.1	800.0	660.8	610.4
7.5°	1368.7	1333.9	1285.2	1106.1	853.9	542.6	349.6	295.6
10°	1413.9	1370.4	1307.8	1074.7	697.4	299.1	118.3	88.7
12.5°	1452.1	1394.7	1320.0	1027.8	507.8	121.7	60.9	60.9
15°	1478.2	1408.7	1325.2	961.7	328.7	64.3	57.4	57.4
17.5°	1514.7	1424.3	1325.2	869.5	179.1	55.7	55.7	55.7
20°	1573.9	1440.0	1306.0	753.0	99.1	52.2	53.9	53.9
22.5°	1605.2	1462.6	1281.7	617.4	62.6	50.4	52.2	52.2
25°	1612.1	1459.1	1229.5	486.9	50.4	48.7	50.4	52.2
27.5°	1587.8	1434.7	1160.0	354.8	45.2	47.0	50.4	52.2
30°	1544.3	1375.6	1048.7	240.0	41.7	47.0	50.4	52.2
32.5°	1462.6	1233.0	918.2	144.3	40.0	47.0	50.4	53.9
35°	1280.0	1083.4	768.7	62.6	38.3	47.0	52.2	53.9
37.5°	1147.8	933.9	594.8	31.3	38.3	47.0	52.2	55.7
40°	1001.7	751.3	274.8	27.8	38.3	47.0	52.2	55.7
42.5°	763.5	347.8	33.0	27.8	36.5	47.0	53.9	55.7
45°	278.3	36.5	17.4	26.1	36.5	47.0	53.9	57.4
47.5°	20.9	13.9	15.7	26.1	36.5	47.0	53.9	57.4
50°	13.9	13.9	15.7	26.1	36.5	47.0	53.9	57.4
52.5°	13.9	15.7	15.7	24.3	34.8	47.0	53.9	57.4
55°	13.9	15.7	15.7	24.3	34.8	45.2	53.9	57.4
57.5°	13.9	13.9	15.7	22.6	33.0	43.5	53.9	55.7
60°	13.9	13.9	15.7	20.9	31.3	41.7	50.4	53.9
62.5°	13.9	13.9	13.9	19.1	29.6	40.0	48.7	52.2
65°	12.2	12.2	13.9	17.4	26.1	36.5	45.2	48.7
67.5°	10.4	12.2	12.2	15.7	24.3	33.0	41.7	45.2
70°	10.4	10.4	10.4	13.9	20.9	29.6	38.3	40.0
72.5°	8.7	8.7	10.4	12.2	19.1	26.1	34.8	36.5
75°	7.0	8.7	8.7	10.4	15.7	22.6	29.6	31.3
77.5°	7.0	7.0	7.0	8.7	13.9	19.1	24.3	26.1
80°	5.2	5.2	5.2	7.0	10.4	15.7	19.1	20.9
82.5°	3.5	5.2	5.2	5.2	8.7	10.4	13.9	15.7
85°	3.5	3.5	3.5	3.5	5.2	7.0	8.7	10.4
87.5°	1.7	1.7	3.5	3.5	3.5	3.5	3.5	5.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)