

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: P1316803

Luminaire Tested: LDSQA3D17R609740DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316803  
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: LDSQA3D17R609740DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

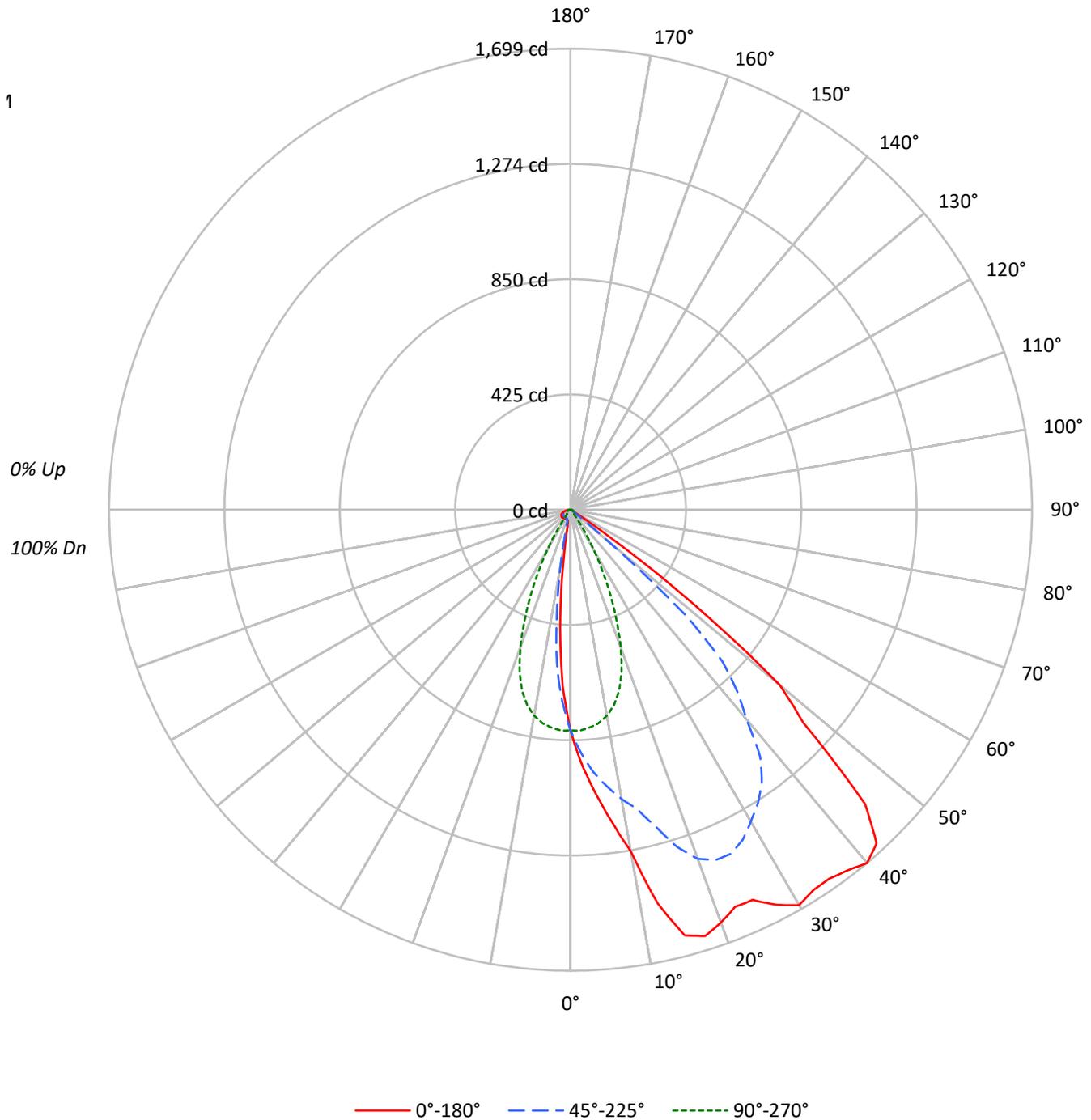
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1321.0 lumens  
Efficiency: N/A  
Efficacy: 62.3 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): 21.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P1316803  
CATALOG NUMBER: LDSQA3D17R609740DE010 3LSQCA30R 1MW

### 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90		
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81		
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72		
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65		
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47		
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43		
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39		
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36		

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	140051	140051	140051	140051	140051
5°	180902	167971	139290	99182	75687
10°	223566	189324	134797	37512	11122
15°	289520	215473	122972	8220	7346
20°	296705	250977	98969	6855	7093
25°	301458	265676	66357	6632	7107
30°	334591	263895	34225	6702	7438
35°	349007	258013	9440	7085	8136
40°	381903	226282	4496	7576	8970
45°	373620	192290	4555	8208	10035
50°	269324	47451	5010	9029	11039
55°	51675	3003	5255	9728	12371
60°	2583	2997	5167	10299	13330
65°	2527	3056	5094	10677	14222
70°	2518	3122	5035	10675	14452
75°	2462	3327	4991	10780	14905
80°	1190	3670	4959	11108	14877
85°	2371	2371	4940	9880	14820

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 373620 cd/sqm



TEST NUMBER: P1316803

CATALOG NUMBER: LDSQA3D17R609740DE010 3LSQCA30R 1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.7	5.4
10°-20°	195.2	14.8
20°-30°	300.5	22.7
30°-40°	352.6	26.7
40°-50°	282.7	21.4
50°-60°	87.8	6.6
60°-70°	16.6	1.3
70°-80°	11.0	0.8
80°-90°	3.8	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°	566.4	42.9
0°-40°	919.0	69.6
0°-60°	1289.6	97.6
0°-90°	1321.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1321.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	813	813	813	813	813	
5°	1046	972	806	574	438	107
15°	1624	1208	690	46	41	445
25°	1586	1398	349	35	37	749
35°	1660	1227	45	34	39	1051
45°	1534	790	19	34	41	1098
55°	172	10	18	32	41	272
65°	6	8	12	26	35	6
75°	4	5	8	16	22	3
85°	1	1	2	5	8	1
90°	0	0	0	0	0	



TEST NUMBER: P1316803

CATALOG NUMBER: LDSQA3D17R609740DE010 3LSQCA30R 1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	813.2	813.2	813.2	813.2	813.2	813.2	813.2	813.2	813.2	813.2	813.2
2.5°	937.9	927.9	927.9	924.2	920.4	921.7	911.7	915.4	905.5	898.0	891.7
5°	1046.4	1033.9	1032.7	1026.4	1020.2	1015.2	1002.7	995.3	980.3	971.6	952.9
7.5°	1158.6	1148.7	1142.4	1134.9	1123.7	1111.2	1090.0	1076.3	1052.6	1028.9	1005.2
10°	1278.4	1269.6	1255.9	1247.2	1216.0	1196.1	1167.4	1148.7	1113.7	1082.6	1046.4
12.5°	1487.9	1482.9	1456.7	1439.3	1394.4	1354.4	1292.1	1242.2	1179.8	1128.7	1080.1
15°	1623.8	1617.6	1603.9	1587.7	1559.0	1514.1	1458.0	1388.1	1300.8	1208.5	1126.2
17.5°	1647.5	1648.8	1640.1	1636.3	1617.6	1588.9	1544.0	1491.6	1404.3	1302.1	1189.8
20°	1618.9	1628.8	1626.3	1633.8	1637.6	1626.3	1596.4	1545.3	1469.2	1369.4	1243.4
22.5°	1583.9	1592.7	1590.2	1603.9	1625.1	1636.3	1626.3	1585.2	1507.9	1396.9	1273.4
25°	1586.4	1592.7	1574.0	1582.7	1610.1	1637.6	1638.8	1602.6	1519.1	1398.1	1270.9
27.5°	1641.3	1622.6	1580.2	1576.4	1610.1	1645.0	1647.5	1602.6	1502.9	1371.9	1245.9
30°	1682.5	1668.7	1621.3	1615.1	1647.5	1671.2	1658.8	1588.9	1464.2	1327.0	1209.8
32.5°	1662.5	1665.0	1645.0	1665.0	1707.4	1717.4	1665.0	1556.5	1410.6	1283.4	1167.4
35°	1660.0	1670.0	1681.2	1712.4	1741.1	1717.4	1633.8	1495.4	1353.2	1227.2	1101.3
37.5°	1675.0	1691.2	1707.4	1734.8	1734.8	1673.7	1551.5	1418.1	1284.6	1147.4	964.1
40°	1698.7	1708.6	1713.6	1711.1	1677.5	1587.7	1458.0	1324.5	1197.3	1006.5	873.0
42.5°	1667.5	1666.2	1661.3	1640.1	1577.7	1460.5	1339.5	1231.0	1030.2	908.0	755.8
45°	1534.0	1534.0	1520.3	1486.6	1429.3	1332.0	1224.7	1066.3	939.1	789.5	561.2
47.5°	1161.1	1152.4	1167.4	1187.3	1187.3	1178.6	1081.3	944.1	814.4	570.0	179.6
50°	1005.2	991.5	972.8	976.5	974.1	984.0	921.7	818.2	602.4	177.1	12.5
52.5°	568.7	593.7	654.8	740.8	779.5	793.2	754.5	622.3	203.3	11.2	10.0
55°	172.1	177.1	200.8	246.9	335.5	429.0	435.3	202.0	13.7	10.0	10.0
57.5°	7.5	7.5	10.0	15.0	34.9	52.4	56.1	12.5	8.7	10.0	10.0
60°	7.5	7.5	7.5	7.5	7.5	7.5	8.7	8.7	8.7	8.7	10.0
62.5°	6.2	6.2	7.5	7.5	7.5	7.5	7.5	7.5	8.7	8.7	8.7
65°	6.2	6.2	6.2	6.2	6.2	6.2	7.5	7.5	7.5	7.5	8.7
67.5°	5.0	5.0	5.0	6.2	6.2	6.2	6.2	6.2	7.5	7.5	7.5
70°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	6.2	6.2	6.2	6.2
72.5°	3.7	3.7	3.7	3.7	3.7	5.0	5.0	5.0	5.0	5.0	6.2
75°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	5.0	5.0	5.0	5.0
77.5°	2.5	2.5	2.5	2.5	2.5	3.7	3.7	3.7	3.7	3.7	3.7
80°	1.2	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7	3.7
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5	2.5	2.5
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5
87.5°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
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: P1316803

CATALOG NUMBER: LDSQA3D17R609740DE010 3LSQCA30R 1MW

**CANDELA DISTRIBUTION (continued):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	813.2	813.2	813.2	813.2	813.2	813.2	813.2	813.2
2.5°	883.0	873.0	861.8	814.4	768.3	705.9	663.5	651.0
5°	936.6	920.4	895.5	805.7	697.2	573.7	473.9	437.8
7.5°	981.5	956.6	921.7	793.2	612.4	389.1	250.7	212.0
10°	1014.0	982.8	937.9	770.8	500.1	214.5	84.8	63.6
12.5°	1041.4	1000.2	946.6	737.1	364.2	87.3	43.7	43.7
15°	1060.1	1010.2	950.4	689.7	235.7	46.1	41.2	41.2
17.5°	1086.3	1021.4	950.4	623.6	128.5	39.9	39.9	39.9
20°	1128.7	1032.7	936.6	540.0	71.1	37.4	38.7	38.7
22.5°	1151.2	1048.9	919.2	442.8	44.9	36.2	37.4	37.4
25°	1156.1	1046.4	881.8	349.2	36.2	34.9	36.2	37.4
27.5°	1138.7	1028.9	831.9	254.4	32.4	33.7	36.2	37.4
30°	1107.5	986.5	752.1	172.1	29.9	33.7	36.2	37.4
32.5°	1048.9	884.3	658.5	103.5	28.7	33.7	36.2	38.7
35°	917.9	777.0	551.3	44.9	27.4	33.7	37.4	38.7
37.5°	823.1	669.7	426.5	22.4	27.4	33.7	37.4	39.9
40°	718.4	538.8	197.1	20.0	27.4	33.7	37.4	39.9
42.5°	547.5	249.4	23.7	20.0	26.2	33.7	38.7	39.9
45°	199.6	26.2	12.5	18.7	26.2	33.7	38.7	41.2
47.5°	15.0	10.0	11.2	18.7	26.2	33.7	38.7	41.2
50°	10.0	10.0	11.2	18.7	26.2	33.7	38.7	41.2
52.5°	10.0	11.2	11.2	17.5	24.9	33.7	38.7	41.2
55°	10.0	11.2	11.2	17.5	24.9	32.4	38.7	41.2
57.5°	10.0	10.0	11.2	16.2	23.7	31.2	38.7	39.9
60°	10.0	10.0	11.2	15.0	22.4	29.9	36.2	38.7
62.5°	10.0	10.0	10.0	13.7	21.2	28.7	34.9	37.4
65°	8.7	8.7	10.0	12.5	18.7	26.2	32.4	34.9
67.5°	7.5	8.7	8.7	11.2	17.5	23.7	29.9	32.4
70°	7.5	7.5	7.5	10.0	15.0	21.2	27.4	28.7
72.5°	6.2	6.2	7.5	8.7	13.7	18.7	24.9	26.2
75°	5.0	6.2	6.2	7.5	11.2	16.2	21.2	22.4
77.5°	5.0	5.0	5.0	6.2	10.0	13.7	17.5	18.7
80°	3.7	3.7	3.7	5.0	7.5	11.2	13.7	15.0
82.5°	2.5	3.7	3.7	3.7	6.2	7.5	10.0	11.2
85°	2.5	2.5	2.5	2.5	3.7	5.0	6.2	7.5
87.5°	1.2	1.2	2.5	2.5	2.5	2.5	2.5	3.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)