

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: P1308495

Luminaire Tested: LDSQA3D20R609027D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308495
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: LDSQA3D20R609027D010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

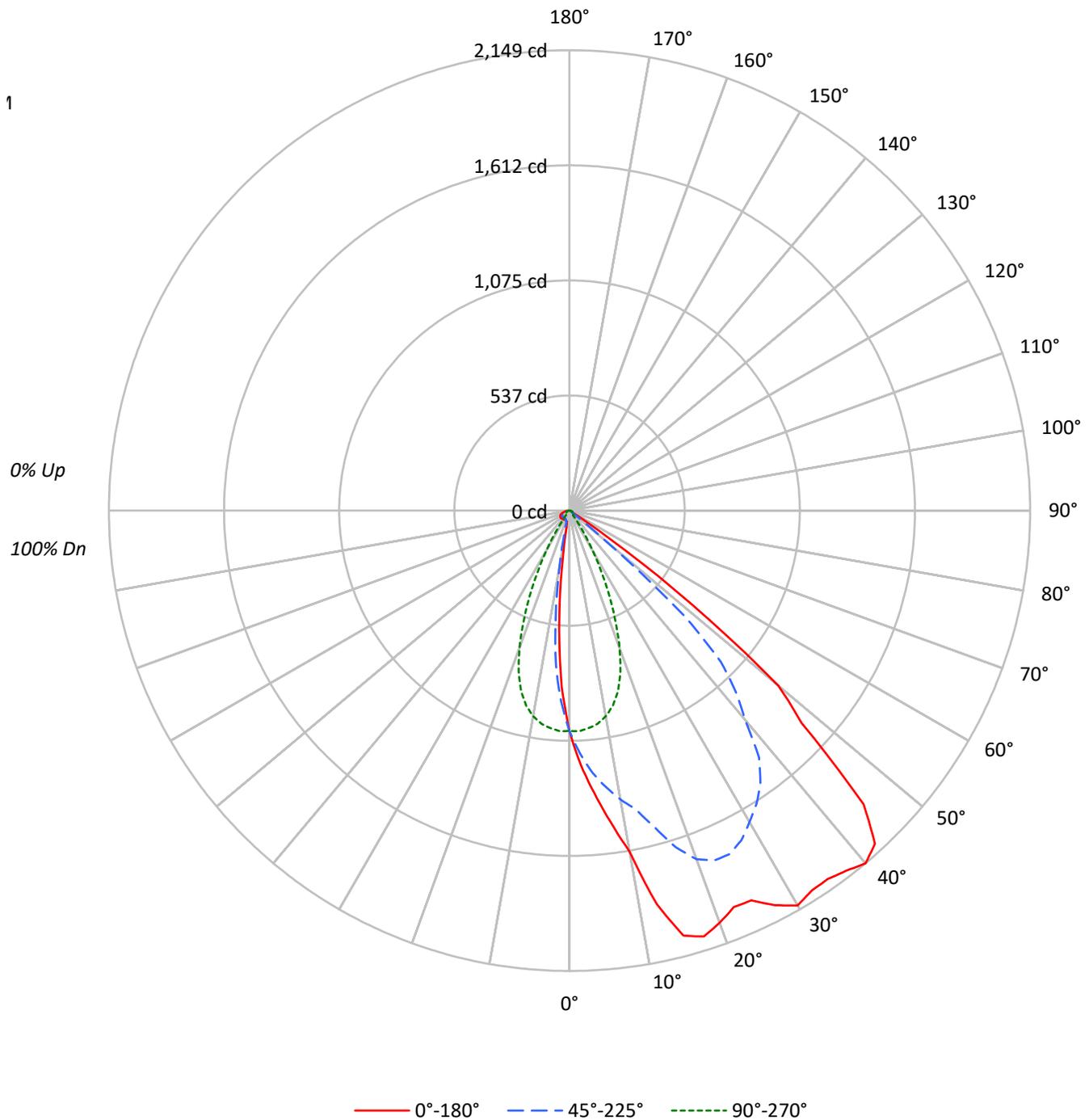
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1671.0 lumens
Efficiency: N/A
Efficacy: 58.0 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 (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

TEST NUMBER: P1308495
CATALOG NUMBER: LDSQA3D20R609027D010 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	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	41	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°	177148	177148	177148	177148	177148
5°	228825	212470	176200	125459	95724
10°	282798	239480	170507	47462	14078
15°	366242	272564	155547	10413	9289
20°	375312	317470	125195	8669	8962
25°	381326	336062	83935	8399	8988
30°	423226	333816	43293	8472	9406
35°	441473	326384	11942	8956	10281
40°	483072	286219	5665	9577	11353
45°	472627	243219	5772	10376	12689
50°	340701	60017	6350	11414	13959
55°	65367	3783	6636	12311	15644
60°	3272	3789	6510	13054	16843
65°	3219	3871	6439	13489	18012
70°	3172	3978	6345	13495	18279
75°	3127	4192	6321	13641	18898
80°	1587	4661	6248	14083	18745
85°	3162	3162	6323	12449	18772

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 472627 cd/sqm



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CATALOG NUMBER: LDSQA3D20R609027D010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.4	5.4
10°-20°	247.0	14.8
20°-30°	380.1	22.7
30°-40°	446.0	26.7
40°-50°	357.6	21.4
50°-60°	111.1	6.6
60°-70°	21.0	1.3
70°-80°	14.0	0.8
80°-90°	4.9	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°	716.5	42.9
0°-40°	1162.5	69.6
0°-60°	1631.2	97.6
0°-90°	1671.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1671.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1029	1029	1029	1029	1029	
5°	1324	1229	1019	726	554	135
15°	2054	1529	872	58	52	563
25°	2007	1768	442	44	47	947
35°	2100	1552	57	43	49	1329
45°	1940	999	24	43	52	1389
55°	218	13	22	41	52	345
65°	8	10	16	33	44	7
75°	5	6	10	20	28	4
85°	2	2	3	6	10	1
90°	0	0	0	0	0	



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 CATALOG NUMBER: LDSQA3D20R609027D010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1028.6	1028.6	1028.6	1028.6	1028.6	1028.6	1028.6	1028.6	1028.6	1028.6	1028.6
2.5°	1186.4	1173.8	1173.8	1169.0	1164.3	1165.9	1153.2	1158.0	1145.4	1135.9	1128.0
5°	1323.6	1307.9	1306.3	1298.4	1290.5	1284.2	1268.4	1259.0	1240.0	1229.0	1205.3
7.5°	1465.6	1453.0	1445.1	1435.6	1421.4	1405.7	1378.9	1361.5	1331.5	1301.5	1271.6
10°	1617.1	1606.0	1588.7	1577.6	1538.2	1512.9	1476.7	1453.0	1408.8	1369.4	1323.6
12.5°	1882.1	1875.8	1842.7	1820.6	1763.8	1713.3	1634.4	1571.3	1492.4	1427.8	1366.2
15°	2054.1	2046.2	2028.8	2008.3	1972.0	1915.2	1844.3	1755.9	1645.5	1528.7	1424.6
17.5°	2084.1	2085.6	2074.6	2069.9	2046.2	2009.9	1953.1	1886.8	1776.4	1647.0	1505.1
20°	2047.8	2060.4	2057.2	2066.7	2071.4	2057.2	2019.4	1954.7	1858.5	1732.2	1572.9
22.5°	2003.6	2014.6	2011.5	2028.8	2055.7	2069.9	2057.2	2005.2	1907.4	1766.9	1610.8
25°	2006.7	2014.6	1991.0	2002.0	2036.7	2071.4	2073.0	2027.3	1921.6	1768.5	1607.6
27.5°	2076.2	2052.5	1998.9	1994.1	2036.7	2080.9	2084.1	2027.3	1901.0	1735.4	1576.1
30°	2128.2	2110.9	2050.9	2043.0	2084.1	2114.0	2098.3	2009.9	1852.1	1678.6	1530.3
32.5°	2103.0	2106.1	2080.9	2106.1	2159.8	2172.4	2106.1	1968.9	1784.3	1623.4	1476.7
35°	2099.8	2112.4	2126.6	2166.1	2202.4	2172.4	2066.7	1891.6	1711.7	1552.4	1393.0
37.5°	2118.8	2139.3	2159.8	2194.5	2194.5	2117.2	1962.6	1793.8	1625.0	1451.4	1219.5
40°	2148.7	2161.4	2167.7	2164.5	2121.9	2008.3	1844.3	1675.4	1514.5	1273.1	1104.3
42.5°	2109.3	2107.7	2101.4	2074.6	1995.7	1847.4	1694.4	1557.1	1303.1	1148.5	956.0
45°	1940.5	1940.5	1923.1	1880.5	1808.0	1684.9	1549.2	1348.9	1188.0	998.6	709.9
47.5°	1468.8	1457.7	1476.7	1501.9	1501.9	1490.9	1367.8	1194.3	1030.2	721.0	227.2
50°	1271.6	1254.2	1230.6	1235.3	1232.1	1244.8	1165.9	1034.9	762.0	224.0	15.8
52.5°	719.4	751.0	828.3	937.1	986.0	1003.4	954.5	787.2	257.2	14.2	12.6
55°	217.7	224.0	254.0	312.4	424.4	542.7	550.6	255.6	17.4	12.6	12.6
57.5°	9.5	9.5	12.6	18.9	44.2	66.3	71.0	15.8	11.0	12.6	12.6
60°	9.5	9.5	9.5	9.5	9.5	9.5	11.0	11.0	11.0	11.0	12.6
62.5°	7.9	7.9	9.5	9.5	9.5	9.5	9.5	9.5	11.0	11.0	11.0
65°	7.9	7.9	7.9	7.9	7.9	7.9	9.5	9.5	9.5	9.5	11.0
67.5°	6.3	6.3	6.3	7.9	7.9	7.9	7.9	7.9	9.5	9.5	9.5
70°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	7.9	7.9	7.9	7.9
72.5°	4.7	4.7	4.7	4.7	4.7	6.3	6.3	6.3	6.3	6.3	7.9
75°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	6.3	6.3	6.3	6.3
77.5°	3.2	3.2	3.2	3.2	3.2	4.7	4.7	4.7	4.7	4.7	4.7
80°	1.6	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	4.7	4.7
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



TEST NUMBER: P1308495

CATALOG NUMBER: LDSQA3D20R609027D010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1028.6	1028.6	1028.6	1028.6	1028.6	1028.6	1028.6	1028.6
2.5°	1117.0	1104.3	1090.1	1030.2	971.8	892.9	839.3	823.5
5°	1184.8	1164.3	1132.7	1019.2	881.9	725.7	599.5	553.7
7.5°	1241.6	1210.0	1165.9	1003.4	774.6	492.2	317.1	268.2
10°	1282.6	1243.2	1186.4	975.0	632.6	271.4	107.3	80.5
12.5°	1317.3	1265.3	1197.4	932.4	460.7	110.4	55.2	55.2
15°	1341.0	1277.9	1202.2	872.4	298.2	58.4	52.1	52.1
17.5°	1374.1	1292.1	1202.2	788.8	162.5	50.5	50.5	50.5
20°	1427.8	1306.3	1184.8	683.1	89.9	47.3	48.9	48.9
22.5°	1456.2	1326.8	1162.7	560.1	56.8	45.8	47.3	47.3
25°	1462.5	1323.6	1115.4	441.7	45.8	44.2	45.8	47.3
27.5°	1440.4	1301.5	1052.3	321.8	41.0	42.6	45.8	47.3
30°	1400.9	1247.9	951.3	217.7	37.9	42.6	45.8	47.3
32.5°	1326.8	1118.5	833.0	130.9	36.3	42.6	45.8	48.9
35°	1161.1	982.9	697.3	56.8	34.7	42.6	47.3	48.9
37.5°	1041.2	847.2	539.6	28.4	34.7	42.6	47.3	50.5
40°	908.7	681.5	249.3	25.2	34.7	42.6	47.3	50.5
42.5°	692.6	315.5	30.0	25.2	33.1	42.6	48.9	50.5
45°	252.4	33.1	15.8	23.7	33.1	42.6	48.9	52.1
47.5°	18.9	12.6	14.2	23.7	33.1	42.6	48.9	52.1
50°	12.6	12.6	14.2	23.7	33.1	42.6	48.9	52.1
52.5°	12.6	14.2	14.2	22.1	31.6	42.6	48.9	52.1
55°	12.6	14.2	14.2	22.1	31.6	41.0	48.9	52.1
57.5°	12.6	12.6	14.2	20.5	30.0	39.4	48.9	50.5
60°	12.6	12.6	14.2	18.9	28.4	37.9	45.8	48.9
62.5°	12.6	12.6	12.6	17.4	26.8	36.3	44.2	47.3
65°	11.0	11.0	12.6	15.8	23.7	33.1	41.0	44.2
67.5°	9.5	11.0	11.0	14.2	22.1	30.0	37.9	41.0
70°	9.5	9.5	9.5	12.6	18.9	26.8	34.7	36.3
72.5°	7.9	7.9	9.5	11.0	17.4	23.7	31.6	33.1
75°	6.3	7.9	7.9	9.5	14.2	20.5	26.8	28.4
77.5°	6.3	6.3	6.3	7.9	12.6	17.4	22.1	23.7
80°	4.7	4.7	4.7	6.3	9.5	14.2	17.4	18.9
82.5°	3.2	4.7	4.7	4.7	7.9	9.5	12.6	14.2
85°	3.2	3.2	3.2	3.2	4.7	6.3	7.9	9.5
87.5°	1.6	1.6	3.2	3.2	3.2	3.2	3.2	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)