

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: P1311848

Luminaire Tested: LDSQA3D20R609040D010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311848
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R609040D010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

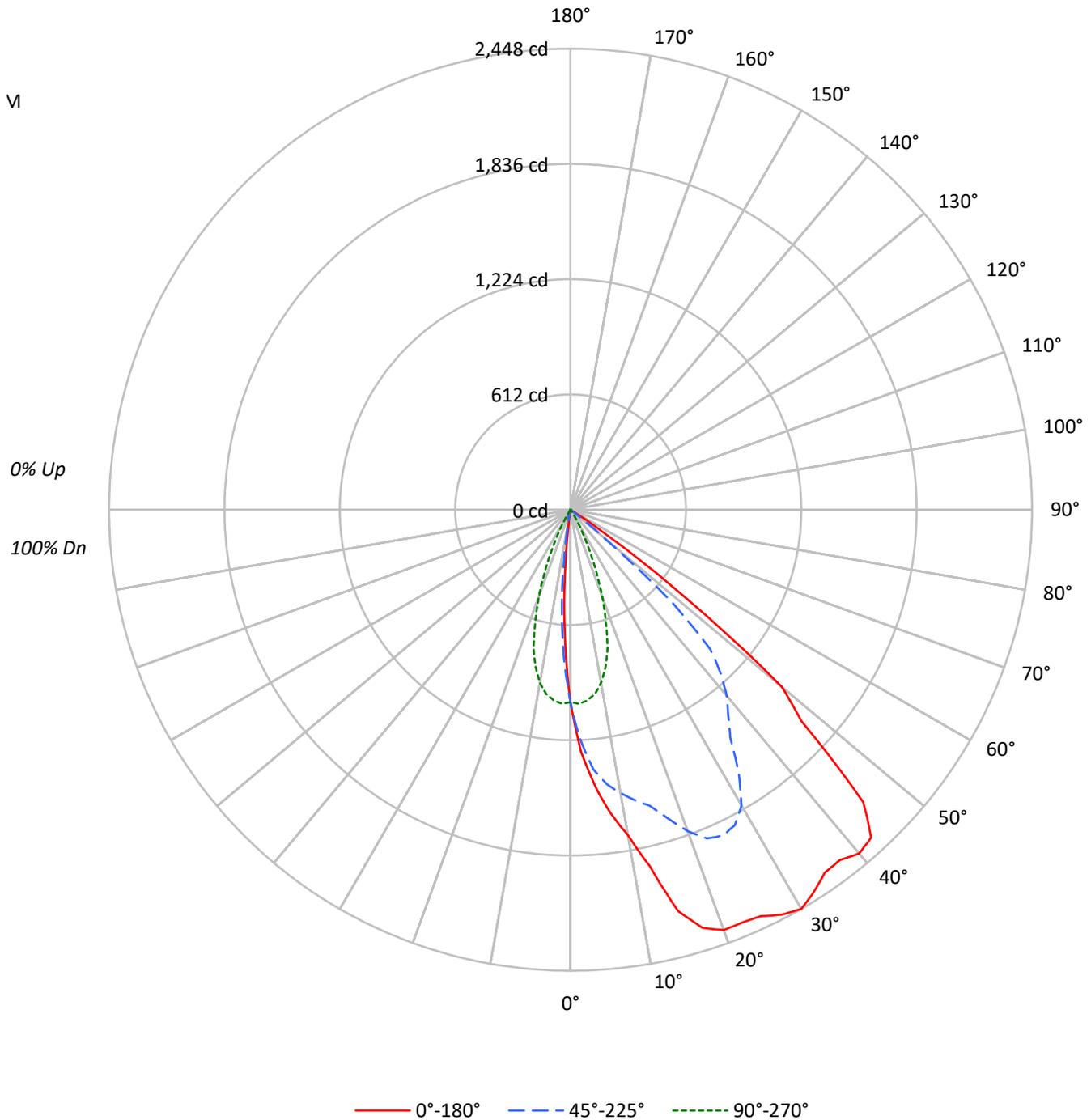
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1661.0 lumens
Efficiency: N/A
Efficacy: 57.7 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60	62	61	60
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54	56	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49	51	50	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44	46	46	44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40	42	42	40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	176012	176012	176012	176012	176012
5°	253702	238921	175733	90538	58157
10°	306878	267128	163145	10808	6366
15°	393272	290180	135203	7132	5830
20°	435261	332608	90648	3995	660
25°	452663	362818	44580	342	0
30°	486743	360543	12290	0	0
35°	494328	310448	0	0	0
40°	535545	289434	0	0	0
45°	535027	255543	0	0	0
50°	391715	61865	0	0	0
55°	76446	0	0	0	0
60°	0	0	0	0	0
65°	0	734	734	0	0
70°	0	906	906	0	0
75°	0	1198	1198	0	0
80°	0	1785	1785	1785	0
85°	0	3557	3557	3557	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 535904 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.7	5.3
10°-20°	249.9	15.0
20°-30°	398.3	24.0
30°-40°	460.4	27.7
40°-50°	365.6	22.0
50°-60°	96.2	5.8
60°-70°	0.7	0.0
70°-80°	1.0	0.1
80°-90°	1.0	0.1
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°	736.0	44.3
0°-40°	1196.4	72.0
0°-60°	1658.2	99.8
0°-90°	1661.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1661.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1022	1022	1022	1022	1022	
5°	1468	1382	1016	524	336	148
15°	2206	1628	758	40	33	615
25°	2382	1909	235	2	0	1111
35°	2351	1477	0	0	0	1493
45°	2197	1049	0	0	0	1564
55°	255	0	0	0	0	384
65°	0	2	2	0	0	0
75°	0	2	2	0	0	0
85°	0	2	2	2	0	0
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°	1022.0	1022.0	1022.0	1022.0	1022.0	1022.0	1022.0	1022.0	1022.0	1022.0	1022.0
2.5°	1285.6	1298.4	1292.9	1287.4	1274.7	1269.3	1269.3	1254.7	1231.1	1227.4	1211.1
5°	1467.5	1471.1	1471.1	1467.5	1458.4	1443.8	1440.2	1425.6	1403.8	1382.0	1360.2
7.5°	1625.7	1623.9	1612.9	1605.7	1589.3	1569.3	1551.1	1531.1	1498.4	1469.3	1438.4
10°	1754.8	1760.2	1751.1	1733.0	1711.1	1683.9	1654.8	1620.2	1571.1	1527.5	1487.5
12.5°	1936.6	1934.8	1911.2	1880.2	1827.5	1776.6	1731.1	1693.0	1632.9	1580.2	1531.1
15°	2205.7	2202.1	2180.3	2153.0	2076.6	2000.3	1922.1	1814.8	1714.8	1627.5	1558.4
17.5°	2327.6	2334.9	2316.7	2302.1	2258.5	2207.6	2138.5	2031.2	1876.6	1718.4	1572.9
20°	2374.9	2384.0	2371.2	2369.4	2349.4	2325.8	2269.4	2153.0	2002.1	1814.8	1634.8
22.5°	2373.0	2380.3	2374.9	2398.5	2422.1	2409.4	2340.3	2223.9	2069.4	1889.3	1685.7
25°	2382.1	2376.7	2356.7	2391.2	2425.8	2414.9	2380.3	2280.3	2111.2	1909.3	1703.9
27.5°	2424.0	2384.0	2343.9	2387.6	2404.0	2407.6	2387.6	2269.4	2103.9	1887.5	1667.5
30°	2447.6	2404.0	2371.2	2407.6	2407.6	2427.6	2385.8	2251.2	2042.1	1813.0	1571.1
32.5°	2404.0	2394.9	2424.0	2460.3	2469.4	2469.4	2376.7	2191.2	1938.4	1660.2	1416.6
35°	2351.2	2373.0	2456.7	2473.1	2473.1	2433.0	2320.3	2085.7	1783.9	1476.6	1302.0
37.5°	2345.8	2380.3	2473.1	2453.1	2420.3	2345.8	2182.1	1902.1	1563.8	1372.9	1216.5
40°	2382.1	2414.9	2469.4	2396.7	2318.5	2202.1	2005.7	1662.0	1431.1	1287.4	1112.9
42.5°	2360.3	2391.2	2393.0	2285.8	2174.8	2016.6	1756.6	1467.5	1334.7	1178.3	994.7
45°	2196.7	2200.3	2193.0	2078.5	1963.9	1800.2	1523.8	1371.1	1229.3	1049.2	731.0
47.5°	1660.2	1652.9	1680.2	1647.5	1652.9	1554.8	1383.8	1258.3	1089.2	736.5	221.8
50°	1462.0	1452.9	1425.6	1396.5	1367.5	1320.2	1240.2	1105.6	785.6	230.9	7.3
52.5°	783.7	827.4	912.8	1043.8	1092.9	1089.2	1029.2	818.3	247.3	1.8	0.0
55°	254.6	250.9	280.0	331.0	454.6	523.7	545.5	278.2	5.5	0.0	0.0
57.5°	0.0	0.0	0.0	5.5	18.2	47.3	61.8	3.6	0.0	1.8	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8
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°	1022.0	1022.0	1022.0	1022.0	1022.0	1022.0	1022.0	1022.0
2.5°	1189.2	1163.8	1134.7	1031.0	909.2	791.0	705.5	683.7
5°	1325.6	1282.0	1220.2	1016.5	751.0	523.7	374.6	336.4
7.5°	1396.5	1358.4	1292.9	987.4	581.9	258.2	96.4	65.5
10°	1440.2	1394.7	1322.0	932.9	380.1	61.8	34.6	36.4
12.5°	1471.1	1418.4	1336.5	854.7	192.8	30.9	43.6	45.5
15°	1483.8	1427.5	1334.7	758.3	69.1	40.0	38.2	32.7
17.5°	1476.6	1405.6	1311.1	620.1	23.6	38.2	20.0	16.4
20°	1467.5	1387.5	1272.9	494.6	20.0	21.8	7.3	3.6
22.5°	1496.6	1356.5	1220.2	354.6	20.0	7.3	0.0	0.0
25°	1500.2	1343.8	1152.9	234.6	9.1	1.8	0.0	0.0
27.5°	1463.8	1269.3	1049.2	138.2	0.0	0.0	0.0	0.0
30°	1347.5	1176.5	938.3	61.8	0.0	0.0	0.0	0.0
32.5°	1232.9	1072.9	814.7	14.5	0.0	0.0	0.0	0.0
35°	1142.0	965.6	678.3	0.0	0.0	0.0	0.0	0.0
37.5°	1029.2	838.3	505.5	0.0	0.0	0.0	0.0	0.0
40°	911.0	676.5	252.8	0.0	0.0	0.0	0.0	0.0
42.5°	711.0	321.9	25.5	0.0	0.0	0.0	0.0	0.0
45°	272.8	29.1	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
65°	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
67.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
70°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
72.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
75°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
77.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
80°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0
82.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
85°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)