

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: P1320462

Luminaire Tested: LDSQA3D20R609840D010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320462
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: LDSQA3D20R609840D010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

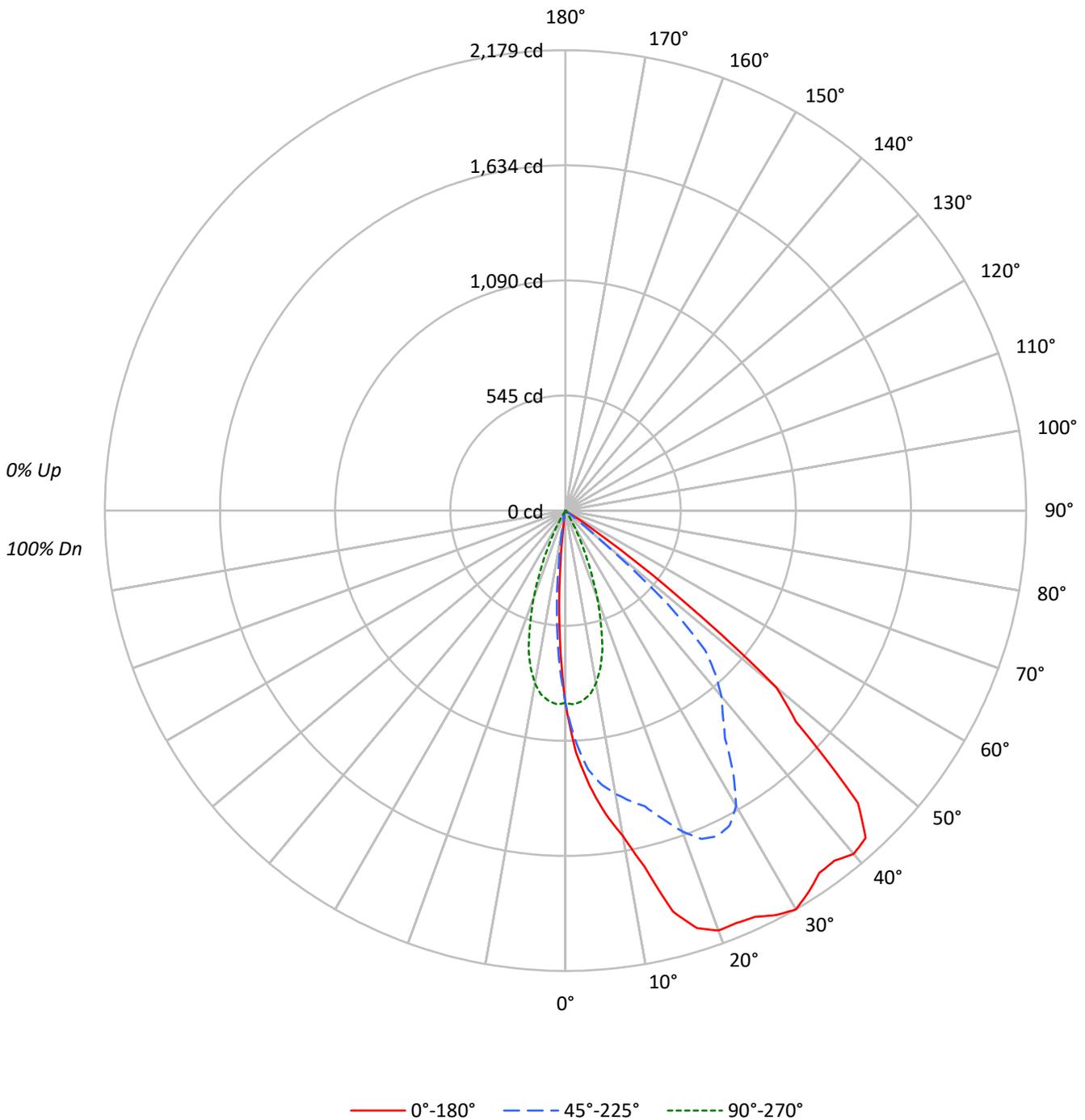
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1479.0 lumens
Efficiency: N/A
Efficacy: 54.0 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): 27.4
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	89	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	82	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	69	65	61	60
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	59	54	50	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	55	50	46	44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	156723	156723	156723	156723	156723
5°	225903	212747	156474	80614	51778
10°	273249	237854	145255	9636	5666
15°	350195	258389	120387	6347	5188
20°	387554	296155	80715	3556	586
25°	403066	323064	39697	304	0
30°	433408	321029	10957	0	0
35°	440169	276430	0	0	0
40°	476867	257734	0	0	0
45°	476403	227558	0	0	0
50°	348792	55087	0	0	0
55°	68069	0	0	0	0
60°	0	0	0	0	0
65°	0	652	652	0	0
70°	0	806	806	0	0
75°	0	1065	1065	0	0
80°	0	1587	1587	1587	0
85°	0	3162	3162	3162	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 477182 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.1	5.3
10°-20°	222.6	15.0
20°-30°	354.7	24.0
30°-40°	409.9	27.7
40°-50°	325.6	22.0
50°-60°	85.7	5.8
60°-70°	0.6	0.0
70°-80°	0.9	0.1
80°-90°	0.9	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°	655.3	44.3
0°-40°	1065.3	72.0
0°-60°	1476.5	99.8
0°-90°	1479.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1479.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	910	910	910	910	910	
5°	1307	1231	905	466	300	132
15°	1964	1449	675	36	29	547
25°	2121	1700	209	2	0	989
35°	2094	1315	0	0	0	1330
45°	1956	934	0	0	0	1393
55°	227	0	0	0	0	342
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°	910.0	910.0	910.0	910.0	910.0	910.0	910.0	910.0	910.0	910.0	910.0
2.5°	1144.8	1156.1	1151.2	1146.4	1135.0	1130.2	1130.2	1117.2	1096.2	1092.9	1078.4
5°	1306.7	1309.9	1309.9	1306.7	1298.6	1285.6	1282.4	1269.4	1250.0	1230.6	1211.1
7.5°	1447.5	1445.9	1436.2	1429.7	1415.2	1397.3	1381.2	1363.3	1334.2	1308.3	1280.8
10°	1562.5	1567.4	1559.3	1543.1	1523.6	1499.4	1473.4	1442.7	1399.0	1360.1	1324.5
12.5°	1724.4	1722.8	1701.8	1674.2	1627.3	1581.9	1541.5	1507.5	1454.0	1407.1	1363.3
15°	1964.1	1960.8	1941.4	1917.1	1849.1	1781.1	1711.5	1615.9	1526.9	1449.2	1387.6
17.5°	2072.5	2079.0	2062.8	2049.9	2011.0	1965.7	1904.1	1808.6	1671.0	1530.1	1400.6
20°	2114.6	2122.7	2111.4	2109.8	2092.0	2070.9	2020.7	1917.1	1782.7	1615.9	1455.6
22.5°	2113.0	2119.5	2114.6	2135.7	2156.7	2145.4	2083.9	1980.2	1842.6	1682.3	1501.0
25°	2121.1	2116.3	2098.4	2129.2	2160.0	2150.3	2119.5	2030.4	1879.9	1700.1	1517.2
27.5°	2158.4	2122.7	2087.1	2126.0	2140.5	2143.8	2126.0	2020.7	1873.4	1680.7	1484.8
30°	2179.4	2140.5	2111.4	2143.8	2143.8	2161.6	2124.4	2004.5	1818.3	1614.3	1399.0
32.5°	2140.5	2132.5	2158.4	2190.7	2198.8	2198.8	2116.3	1951.1	1726.0	1478.3	1261.3
35°	2093.6	2113.0	2187.5	2202.1	2202.1	2166.5	2066.1	1857.2	1588.4	1314.8	1159.3
37.5°	2088.7	2119.5	2202.1	2184.3	2155.1	2088.7	1943.0	1693.7	1392.5	1222.5	1083.2
40°	2121.1	2150.3	2198.8	2134.1	2064.4	1960.8	1785.9	1479.9	1274.3	1146.4	990.9
42.5°	2101.7	2129.2	2130.8	2035.3	1936.5	1795.7	1564.1	1306.7	1188.5	1049.2	885.7
45°	1956.0	1959.2	1952.7	1850.7	1748.7	1603.0	1356.9	1220.9	1094.6	934.3	650.9
47.5°	1478.3	1471.8	1496.1	1467.0	1471.8	1384.4	1232.2	1120.5	969.9	655.8	197.5
50°	1301.8	1293.7	1269.4	1243.5	1217.6	1175.5	1104.3	984.5	699.5	205.6	6.5
52.5°	697.9	736.7	812.8	929.4	973.1	969.9	916.5	728.6	220.2	1.6	0.0
55°	226.7	223.4	249.4	294.7	404.8	466.3	485.8	247.7	4.9	0.0	0.0
57.5°	0.0	0.0	0.0	4.9	16.2	42.1	55.1	3.2	0.0	1.6	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	910.0	910.0	910.0	910.0	910.0	910.0	910.0	910.0
2.5°	1058.9	1036.3	1010.4	918.1	809.6	704.3	628.2	608.8
5°	1180.4	1141.5	1086.5	905.1	668.7	466.3	333.5	299.5
7.5°	1243.5	1209.5	1151.2	879.2	518.1	229.9	85.8	58.3
10°	1282.4	1241.9	1177.1	830.6	338.4	55.1	30.8	32.4
12.5°	1309.9	1263.0	1190.1	761.0	171.6	27.5	38.9	40.5
15°	1321.2	1271.1	1188.5	675.2	61.5	35.6	34.0	29.1
17.5°	1314.8	1251.6	1167.4	552.1	21.0	34.0	17.8	14.6
20°	1306.7	1235.4	1133.4	440.4	17.8	19.4	6.5	3.2
22.5°	1332.6	1207.9	1086.5	315.7	17.8	6.5	0.0	0.0
25°	1335.8	1196.6	1026.6	208.9	8.1	1.6	0.0	0.0
27.5°	1303.4	1130.2	934.3	123.1	0.0	0.0	0.0	0.0
30°	1199.8	1047.6	835.5	55.1	0.0	0.0	0.0	0.0
32.5°	1097.8	955.3	725.4	13.0	0.0	0.0	0.0	0.0
35°	1016.8	859.8	604.0	0.0	0.0	0.0	0.0	0.0
37.5°	916.5	746.4	450.1	0.0	0.0	0.0	0.0	0.0
40°	811.2	602.3	225.1	0.0	0.0	0.0	0.0	0.0
42.5°	633.1	286.6	22.7	0.0	0.0	0.0	0.0	0.0
45°	242.9	25.9	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	13.0	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°	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
65°	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
67.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
70°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
72.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
75°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
77.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
80°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0
82.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
85°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0
87.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)