

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: P1307530

Luminaire Tested: LDSQA3D20R659024D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307530
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R659024D010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 2400K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

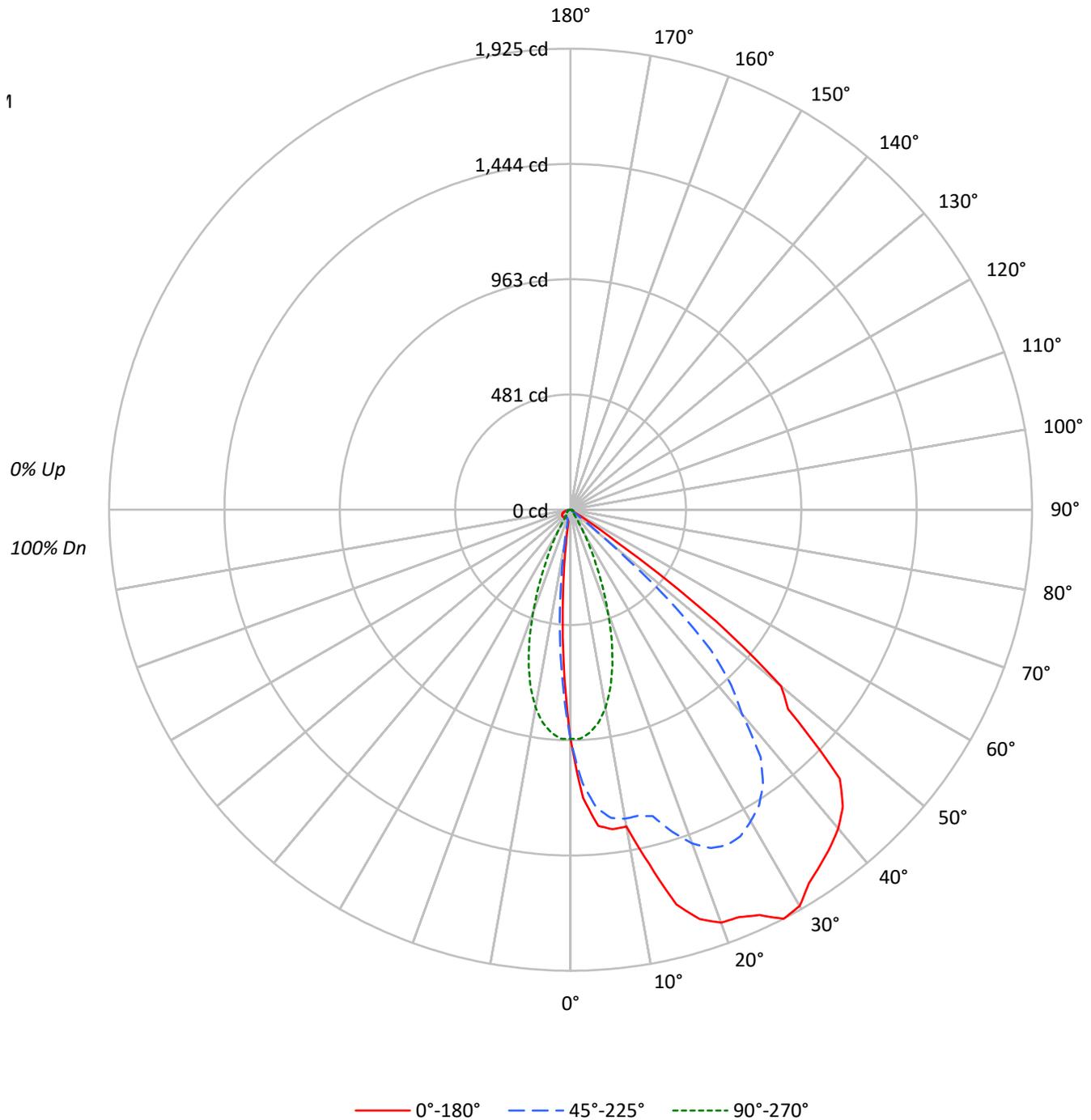
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1434.0 lumens
Efficiency: N/A
Efficacy: 49.8 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
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	90	102	97	92	88	94	90	87	91	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	81	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	68	61	56	66	60	55	64	59	55	63	58	54	63	58	54	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	164765	164765	164765	164765	164765
5°	229032	216152	161280	88619	62341
10°	234811	229075	146724	24763	9129
15°	304230	236209	120102	7970	7702
20°	336219	271761	83574	7093	7368
25°	354818	293667	47298	6803	7354
30°	379933	298716	21338	6821	7696
35°	381300	294196	6896	7211	8452
40°	390648	249933	4699	7711	9375
45°	386919	201448	4725	8354	10156
50°	307049	47504	4796	9190	11575
55°	72933	2672	4924	10299	12971
60°	2583	3066	5649	10781	13847
65°	3056	3056	5461	11533	15200
70°	2266	3021	5237	11279	15761
75°	1996	2994	4991	11911	15837
80°	1488	2975	5951	11802	16265
85°	2964	5928	5928	11856	14820

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 387649 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.9	5.6
10°-20°	210.2	14.7
20°-30°	330.3	23.0
30°-40°	377.8	26.3
40°-50°	303.7	21.2
50°-60°	98.8	6.9
60°-70°	17.6	1.2
70°-80°	11.6	0.8
80°-90°	4.2	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°	620.4	43.3
0°-40°	998.2	69.6
0°-60°	1400.7	97.7
0°-90°	1434.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1434.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	957	957	957	957	957	
5°	1325	1250	933	513	361	125
15°	1706	1325	674	45	43	475
25°	1867	1545	249	36	39	870
35°	1814	1399	33	34	40	1139
45°	1589	827	19	34	42	1143
55°	243	9	16	34	43	347
65°	8	8	13	28	37	7
75°	3	4	8	18	24	4
85°	2	3	3	6	8	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°	956.7	956.7	956.7	956.7	956.7	956.7	956.7	956.7	956.7	956.7	956.7
2.5°	1204.1	1199.6	1205.6	1195.2	1193.7	1183.2	1177.3	1174.3	1160.9	1143.0	1126.6
5°	1324.8	1306.9	1311.4	1309.9	1302.4	1298.0	1292.0	1284.6	1266.7	1250.3	1229.4
7.5°	1345.7	1330.8	1333.7	1335.2	1330.8	1329.3	1327.8	1324.8	1312.9	1298.0	1280.1
10°	1342.7	1327.8	1326.3	1321.8	1317.4	1318.8	1318.8	1318.8	1315.9	1309.9	1303.9
12.5°	1515.6	1494.7	1490.2	1458.9	1430.6	1381.4	1350.1	1320.3	1306.9	1308.4	1303.9
15°	1706.3	1704.8	1689.9	1660.1	1612.4	1567.7	1496.2	1442.5	1374.0	1324.8	1303.9
17.5°	1792.7	1791.2	1777.8	1752.5	1718.2	1676.5	1624.3	1561.7	1485.7	1409.7	1347.2
20°	1834.5	1844.9	1830.0	1809.1	1776.3	1737.6	1688.4	1631.8	1560.3	1482.8	1408.3
22.5°	1840.4	1853.8	1840.4	1825.5	1801.7	1776.3	1734.6	1676.5	1603.5	1529.0	1455.9
25°	1867.2	1871.7	1843.4	1824.0	1801.7	1783.8	1751.0	1700.3	1625.8	1545.4	1473.8
27.5°	1925.4	1906.0	1846.4	1819.6	1798.7	1782.3	1751.0	1698.8	1618.4	1536.4	1461.9
30°	1910.5	1903.0	1850.8	1825.5	1807.6	1791.2	1752.5	1685.4	1588.6	1502.1	1424.6
32.5°	1849.4	1864.3	1846.4	1837.4	1828.5	1807.6	1751.0	1660.1	1551.3	1463.4	1359.1
35°	1813.6	1831.5	1833.0	1833.0	1822.5	1791.2	1724.2	1622.8	1514.1	1399.3	1259.2
37.5°	1777.8	1792.7	1801.7	1807.6	1792.7	1748.0	1663.1	1572.2	1453.0	1302.4	1056.6
40°	1737.6	1748.0	1755.5	1758.5	1736.1	1678.0	1600.5	1497.7	1363.5	1111.7	943.3
42.5°	1681.0	1686.9	1685.4	1683.9	1660.1	1596.0	1523.0	1415.7	1150.4	991.0	786.8
45°	1588.6	1582.6	1591.6	1591.6	1560.3	1512.6	1415.7	1207.1	1029.7	827.1	506.7
47.5°	1230.9	1235.4	1278.6	1348.6	1391.9	1378.5	1247.3	1056.6	865.8	542.4	168.4
50°	1146.0	1141.5	1143.0	1150.4	1154.9	1117.7	1023.8	892.6	572.2	177.3	11.9
52.5°	769.0	773.4	807.7	886.7	912.0	885.2	795.8	596.1	208.6	11.9	10.4
55°	242.9	259.3	278.7	320.4	393.4	439.6	430.7	211.6	13.4	8.9	10.4
57.5°	8.9	8.9	11.9	20.9	40.2	65.6	68.5	13.4	10.4	10.4	10.4
60°	7.5	7.5	7.5	7.5	7.5	7.5	8.9	8.9	8.9	8.9	8.9
62.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	8.9	8.9	8.9	8.9
65°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	8.9
67.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	7.5	7.5	7.5	7.5
70°	4.5	4.5	4.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	7.5
72.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	6.0	6.0	6.0
75°	3.0	3.0	3.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
77.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	4.5	4.5
80°	1.5	1.5	1.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	3.0
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0
87.5°	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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°	956.7	956.7	956.7	956.7	956.7	956.7	956.7	956.7
2.5°	1117.7	1099.8	1064.0	956.7	845.0	733.2	663.1	645.3
5°	1205.6	1184.7	1134.1	932.9	706.4	512.6	402.4	360.6
7.5°	1259.2	1233.9	1174.3	895.6	549.9	298.0	178.8	143.1
10°	1283.1	1260.7	1193.7	839.0	397.9	141.6	62.6	52.2
12.5°	1293.5	1275.6	1201.1	764.5	259.3	62.6	46.2	44.7
15°	1298.0	1278.6	1198.1	673.6	147.5	44.7	43.2	43.2
17.5°	1302.4	1280.1	1180.3	569.3	82.0	41.7	40.2	41.7
20°	1338.2	1274.1	1149.0	456.0	53.6	38.7	38.7	40.2
22.5°	1374.0	1272.6	1093.8	348.7	41.7	37.3	38.7	38.7
25°	1385.9	1257.7	1023.8	248.9	35.8	35.8	37.3	38.7
27.5°	1363.5	1214.5	929.9	168.4	31.3	35.8	37.3	38.7
30°	1311.4	1141.5	816.6	107.3	29.8	34.3	37.3	38.7
32.5°	1214.5	997.0	690.0	64.1	28.3	34.3	38.7	38.7
35°	1020.8	836.0	546.9	32.8	28.3	34.3	38.7	40.2
37.5°	892.6	697.4	381.5	22.4	28.3	34.3	38.7	40.2
40°	740.6	503.7	159.5	20.9	28.3	34.3	38.7	41.7
42.5°	512.6	219.1	25.3	19.4	26.8	34.3	40.2	41.7
45°	184.8	28.3	11.9	19.4	26.8	34.3	40.2	41.7
47.5°	16.4	10.4	11.9	19.4	26.8	34.3	40.2	43.2
50°	10.4	10.4	10.4	17.9	26.8	34.3	40.2	43.2
52.5°	10.4	10.4	10.4	17.9	25.3	34.3	41.7	43.2
55°	10.4	10.4	10.4	16.4	25.3	34.3	40.2	43.2
57.5°	10.4	10.4	11.9	16.4	25.3	32.8	40.2	41.7
60°	10.4	10.4	10.4	16.4	23.8	31.3	38.7	40.2
62.5°	8.9	10.4	10.4	14.9	22.4	29.8	37.3	38.7
65°	8.9	8.9	10.4	13.4	20.9	28.3	34.3	37.3
67.5°	7.5	8.9	8.9	11.9	17.9	25.3	31.3	34.3
70°	7.5	7.5	7.5	10.4	16.4	22.4	29.8	31.3
72.5°	6.0	7.5	7.5	8.9	13.4	19.4	25.3	28.3
75°	6.0	6.0	6.0	7.5	11.9	17.9	22.4	23.8
77.5°	4.5	4.5	6.0	6.0	10.4	13.4	19.4	20.9
80°	4.5	4.5	4.5	6.0	7.5	11.9	14.9	16.4
82.5°	3.0	3.0	3.0	4.5	6.0	7.5	10.4	11.9
85°	3.0	3.0	3.0	3.0	4.5	6.0	7.5	7.5
87.5°	1.5	1.5	1.5	3.0	3.0	3.0	3.0	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)