

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: CORELITE

Report Number: P1427783

Luminaire Tested: SQ2W-F-K-125U-100D-L830-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427783
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-F-K-125U-100D-L830-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

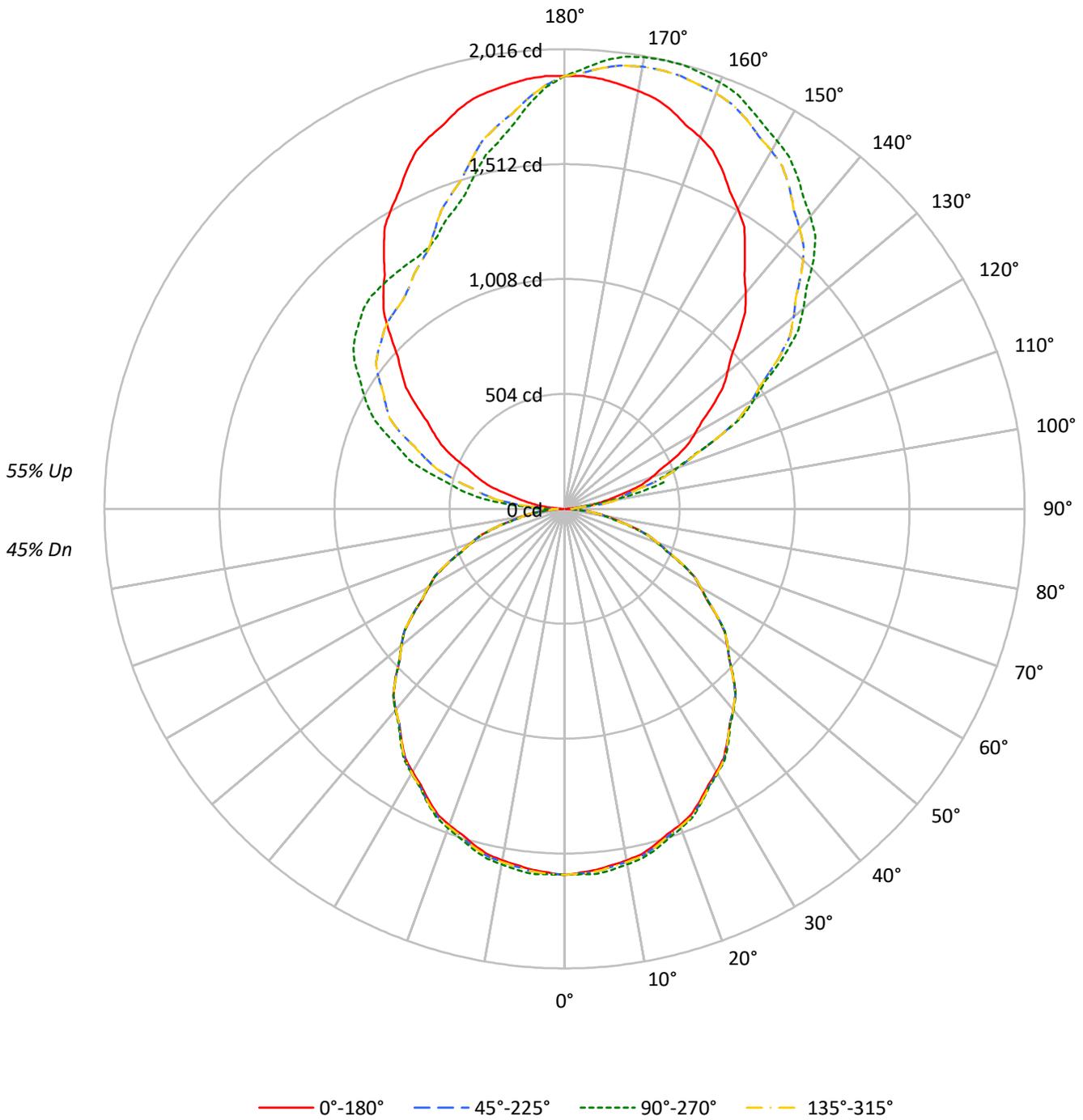
Lumens per Lamp: N/A
Luminaire Lumens: 10068.7 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 81.6
Input Voltage (V): 120
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: P1427783

CATALOG NUMBER: SQ2W-F-K-125U-100D-L830-UNV-STD-W-WM-4

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	106	106	106	106	97	97	97	97	81	81	81	65	65	65	51	51	51	45				
1	97	92	88	85	88	85	81	78	70	68	66	57	56	54	45	44	43	38				
2	88	80	74	69	80	74	68	64	61	58	54	50	47	45	40	38	36	31				
3	80	70	63	57	73	65	58	53	54	49	45	44	41	38	35	33	31	26				
4	73	62	54	48	67	57	50	45	48	43	38	39	35	32	31	28	26	22				
5	67	55	47	41	61	51	44	38	43	37	33	35	31	28	28	25	23	19				
6	62	49	41	36	56	46	38	33	38	33	29	32	27	24	25	22	20	17				
7	57	45	37	31	52	41	34	29	35	29	25	29	25	21	23	20	18	15				
8	53	40	33	27	48	37	30	26	32	26	22	26	22	19	21	18	16	13				
9	49	37	29	24	45	34	27	23	29	24	20	24	20	17	20	16	14	12				
10	46	34	27	22	42	31	25	20	27	21	18	22	18	15	18	15	13	11				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	25922	25922	25922	25922
5°	25765	26058	25765	26058
10°	25672	25969	25672	25969
15°	25532	25853	25532	25853
20°	25371	25623	25371	25623
25°	25097	25318	25097	25318
30°	24831	24999	24831	24999
35°	24513	24669	24513	24669
40°	24236	24308	24236	24308
45°	23879	23879	23879	23879
50°	23402	23458	23402	23458
55°	22851	22882	22851	22882
60°	22236	22236	22236	22236
65°	21512	21425	21512	21425
70°	20497	20280	20497	20280
75°	19114	18690	19114	18690
80°	17034	16188	17034	16188
85°	13616	11523	13616	11523

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 24041 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.9	1.5
10°-20°	434.1	4.3
20°-30°	653.4	6.5
30°-40°	781.3	7.8
40°-50°	806.8	8.0
50°-60°	727.7	7.2
60°-70°	557.5	5.5
70°-80°	322.2	3.2
80°-90°	91.5	0.9
90°-100°	151.1	1.5
100°-110°	440.5	4.4
110°-120°	719.0	7.1
120°-130°	912.3	9.1
130°-140°	976.2	9.7
140°-150°	911.5	9.1
150°-160°	750.1	7.4
160°-170°	503.1	5.0
170°-180°	178.6	1.8
0°-30°	1239.3	12.3
0°-40°	2020.7	20.1
0°-60°	3555.2	35.3
0°-90°	4526.4	45.0
90°-120°	1310.6	13.0
90°-150°	4110.6	40.8
90°-180°	5542.0	55.0
0°-180°	10068.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1606	1606	1606	1606	1606	
5°	1590	1608	1590	1608	1590	151
15°	1528	1547	1528	1547	1528	431
25°	1409	1421	1409	1421	1409	649
35°	1244	1252	1244	1252	1244	778
45°	1046	1046	1046	1046	1046	806
55°	812	813	812	813	812	725
65°	563	561	563	561	563	557
75°	306	300	306	300	306	324
85°	74	62	74	62	74	86
90°	6	42	6	82	6	8
95°	59	44	59	259	59	72
105°	280	449	280	617	280	298
115°	537	744	537	916	537	529
125°	794	1179	794	1124	794	710
135°	1080	1544	1080	1244	1080	834
145°	1379	1779	1379	1271	1379	863
155°	1637	1933	1637	1319	1637	753
165°	1810	2015	1810	1519	1810	510
175°	1892	1973	1892	1781	1892	180
180°	1898	1898	1898	1898	1898	



TEST NUMBER: P1427783

CATALOG NUMBER: SQ2W-F-K-125U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1605.5	1605.5	1605.5	1605.5	1605.5	1605.5	1605.5	1605.5	1605.5	1605.5	1605.5
2.5°	1597.4	1605.0	1612.6	1609.4	1602.6	1600.0	1601.6	1603.0	1603.8	1604.6	1603.8
5°	1589.7	1599.7	1609.8	1606.3	1598.2	1594.7	1595.7	1597.7	1602.8	1607.8	1602.8
7.5°	1576.8	1586.8	1596.9	1593.7	1586.0	1582.8	1584.0	1586.2	1591.5	1596.7	1591.5
10°	1565.9	1576.0	1586.0	1582.5	1574.5	1571.5	1573.5	1576.0	1580.0	1584.0	1580.0
12.5°	1552.4	1562.4	1572.5	1569.6	1562.3	1559.3	1560.5	1562.5	1566.9	1571.4	1566.9
15°	1527.5	1537.6	1547.6	1544.8	1537.8	1535.0	1536.5	1538.7	1542.7	1546.7	1542.7
17.5°	1497.4	1506.9	1516.3	1513.8	1507.2	1504.8	1506.5	1508.7	1512.2	1515.7	1512.2
20°	1476.6	1485.7	1494.7	1492.1	1485.5	1482.5	1483.0	1484.3	1487.8	1491.3	1487.8
22.5°	1451.3	1460.3	1469.4	1467.0	1460.9	1457.3	1456.2	1456.4	1460.8	1465.1	1460.8
25°	1408.8	1417.8	1426.9	1425.0	1419.5	1415.9	1414.4	1414.2	1417.7	1421.2	1417.7
27.5°	1364.5	1372.0	1379.5	1378.0	1373.3	1370.5	1369.5	1369.4	1371.9	1374.4	1371.9
30°	1331.9	1339.4	1347.0	1345.1	1340.1	1337.0	1336.0	1335.9	1338.4	1340.9	1338.4
32.5°	1297.5	1304.7	1311.8	1309.2	1303.4	1300.4	1300.2	1300.7	1303.7	1306.6	1303.7
35°	1243.7	1249.7	1255.8	1253.1	1247.6	1245.1	1245.6	1246.6	1249.1	1251.6	1249.1
37.5°	1189.7	1194.3	1198.9	1196.2	1191.1	1188.5	1188.4	1188.8	1190.9	1193.1	1190.9
40°	1149.9	1154.9	1159.9	1157.0	1151.5	1148.5	1148.0	1148.2	1150.7	1153.3	1150.7
42.5°	1109.2	1113.0	1116.8	1114.2	1109.5	1107.3	1107.6	1108.1	1109.4	1110.7	1109.4
45°	1045.8	1049.4	1052.9	1050.4	1045.8	1043.6	1043.6	1043.8	1044.8	1045.8	1044.8
47.5°	979.6	982.3	985.0	983.1	979.5	977.5	976.9	976.8	978.4	980.0	978.4
50°	931.7	935.2	938.7	936.9	933.4	931.1	930.1	929.9	931.9	933.9	931.9
52.5°	884.6	888.5	892.5	890.8	887.3	884.8	883.4	882.8	884.4	886.0	884.4
55°	811.8	816.3	820.8	819.7	816.7	814.2	812.2	810.9	811.9	812.9	811.9
57.5°	737.4	741.8	746.3	745.4	742.8	740.3	737.9	736.4	737.8	739.2	737.8
60°	688.6	692.6	696.6	695.3	692.3	689.8	687.8	686.6	687.6	688.6	687.6
62.5°	638.8	642.8	646.9	645.3	641.9	639.2	637.2	635.9	636.9	637.9	636.9
65°	563.1	566.6	570.1	568.7	565.7	563.2	561.2	559.8	560.3	560.8	560.3
67.5°	486.6	489.6	492.7	491.2	488.3	485.4	482.5	480.5	481.3	482.1	481.3
70°	434.2	437.2	440.2	439.1	436.6	434.0	431.5	429.6	429.6	429.6	429.6
72.5°	383.5	386.1	388.7	387.2	384.3	381.8	379.7	378.1	378.1	378.1	378.1
75°	306.4	307.9	309.4	308.7	307.2	305.1	302.6	300.6	300.1	299.6	300.1
77.5°	232.0	232.0	232.0	230.6	228.7	226.8	224.8	223.3	222.7	222.1	222.7
80°	183.2	183.2	183.2	182.0	180.5	179.0	177.5	176.1	175.1	174.1	175.1
82.5°	137.9	137.1	136.3	135.0	133.5	131.6	129.3	127.8	128.8	129.8	128.8
85°	73.5	72.5	71.5	70.1	68.6	66.8	64.8	63.2	62.7	62.2	62.7
87.5°	23.8	24.5	25.6	26.0	26.0	25.0	23.3	22.4	22.4	22.0	22.4
90°	5.8	13.4	23.0	30.7	36.4	38.3	38.3	40.3	42.2	42.2	42.2
92.5°	21.1	33.4	33.7	33.7	41.0	44.5	47.6	47.9	49.9	49.9	49.9
95°	59.4	65.2	97.8	95.9	65.2	51.8	44.1	44.1	44.1	44.1	44.1
97.5°	113.5	121.9	127.3	170.6	180.2	174.1	141.9	119.3	106.6	100.9	106.6
100°	161.1	164.9	176.4	178.3	226.2	272.3	249.3	220.5	210.9	205.2	210.9
102.5°	208.6	210.9	228.5	236.6	247.7	273.8	353.6	344.7	338.2	337.1	338.2
105°	279.9	281.9	314.4	329.8	337.5	337.5	335.5	373.9	435.2	448.7	435.2
107.5°	356.2	365.1	403.4	444.4	453.3	455.6	445.6	439.8	437.5	439.1	437.5
110°	408.4	421.8	467.8	519.6	533.0	536.9	533.0	527.3	523.4	523.4	523.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	459.0	478.6	530.7	590.2	612.8	624.3	615.9	611.6	607.8	610.9	607.8
115°	536.9	565.6	634.6	696.0	742.0	747.8	745.9	745.9	743.9	743.9	743.9
117.5°	609.0	655.0	732.4	803.8	857.1	872.4	880.1	877.8	875.5	879.3	875.5
120°	659.6	713.3	801.5	882.0	933.8	956.8	964.4	960.6	964.4	960.6	964.4
122.5°	713.3	779.2	865.9	949.5	1010.5	1036.5	1045.7	1046.5	1047.3	1045.0	1047.3
125°	793.8	874.3	975.9	1062.2	1125.5	1156.2	1163.8	1165.8	1169.6	1179.2	1169.6
127.5°	875.1	966.4	1077.9	1161.2	1226.0	1263.2	1275.0	1279.3	1287.3	1291.5	1287.3
130°	931.8	1035.4	1148.5	1227.1	1290.4	1330.7	1351.7	1357.5	1367.1	1365.2	1367.1
132.5°	991.7	1099.8	1214.5	1296.1	1354.8	1398.1	1416.2	1432.7	1436.1	1438.8	1436.1
135°	1079.5	1196.4	1311.5	1392.0	1447.6	1489.8	1512.8	1528.1	1537.7	1543.5	1537.7
137.5°	1171.9	1295.4	1405.8	1477.5	1533.5	1569.9	1596.0	1612.1	1622.1	1626.7	1622.1
140°	1234.8	1353.7	1461.0	1535.8	1585.7	1622.1	1645.1	1664.3	1675.8	1675.8	1675.8
142.5°	1294.6	1411.9	1516.3	1591.0	1634.7	1668.1	1692.6	1707.2	1720.3	1720.3	1720.3
145°	1378.6	1495.5	1591.4	1666.2	1702.6	1733.3	1760.1	1771.6	1779.3	1779.3	1779.3
147.5°	1466.4	1569.9	1657.4	1729.1	1759.8	1795.8	1816.9	1826.1	1835.7	1831.5	1835.7
150°	1518.6	1614.4	1698.8	1765.9	1796.6	1831.1	1852.2	1859.8	1869.4	1863.7	1869.4
152.5°	1569.2	1660.4	1737.1	1799.6	1825.7	1860.2	1884.4	1892.1	1898.6	1894.4	1898.6
155°	1637.4	1718.0	1788.9	1846.4	1869.4	1902.0	1925.0	1934.6	1942.3	1932.7	1942.3
157.5°	1698.4	1767.8	1829.5	1882.5	1907.0	1935.0	1956.5	1968.4	1976.0	1971.8	1976.0
160°	1735.2	1798.5	1854.1	1903.9	1927.0	1951.9	1974.9	1988.3	1996.0	1990.2	1996.0
162.5°	1765.9	1823.0	1875.6	1920.8	1940.8	1962.6	1990.2	2002.1	2009.8	2002.5	2009.8
165°	1810.0	1856.0	1902.0	1940.4	1957.6	1974.9	2003.6	2017.1	2022.8	2015.1	2022.8
167.5°	1843.4	1878.6	1915.8	1948.8	1961.5	1978.3	2007.1	2018.2	2025.5	2015.9	2025.5
170°	1861.8	1892.4	1925.0	1951.9	1961.5	1976.8	2005.6	2015.1	2020.9	2011.3	2020.9
172.5°	1877.1	1900.1	1926.6	1950.3	1955.3	1967.6	1994.8	2004.4	2008.6	2000.6	2008.6
175°	1892.4	1905.9	1925.0	1940.4	1938.5	1946.1	1969.1	1976.8	1984.5	1973.0	1984.5
177.5°	1899.7	1905.9	1912.0	1921.2	1915.1	1915.1	1931.9	1936.5	1938.1	1931.9	1938.1
180°	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1605.5	1605.5	1605.5	1605.5	1605.5	1605.5	1605.5	1605.5	1605.5	1605.5	1605.5
2.5°	1603.0	1601.6	1600.0	1602.6	1609.4	1612.6	1605.0	1597.4	1605.0	1612.6	1609.4
5°	1597.7	1595.7	1594.7	1598.2	1606.3	1609.8	1599.7	1589.7	1599.7	1609.8	1606.3
7.5°	1586.2	1584.0	1582.8	1586.0	1593.7	1596.9	1586.8	1576.8	1586.8	1596.9	1593.7
10°	1576.0	1573.5	1571.5	1574.5	1582.5	1586.0	1576.0	1565.9	1576.0	1586.0	1582.5
12.5°	1562.5	1560.5	1559.3	1562.3	1569.6	1572.5	1562.4	1552.4	1562.4	1572.5	1569.6
15°	1538.7	1536.5	1535.0	1537.8	1544.8	1547.6	1537.6	1527.5	1537.6	1547.6	1544.8
17.5°	1508.7	1506.5	1504.8	1507.2	1513.8	1516.3	1506.9	1497.4	1506.9	1516.3	1513.8
20°	1484.3	1483.0	1482.5	1485.5	1492.1	1494.7	1485.7	1476.6	1485.7	1494.7	1492.1
22.5°	1456.4	1456.2	1457.3	1460.9	1467.0	1469.4	1460.3	1451.3	1460.3	1469.4	1467.0
25°	1414.2	1414.4	1415.9	1419.5	1425.0	1426.9	1417.8	1408.8	1417.8	1426.9	1425.0
27.5°	1369.4	1369.5	1370.5	1373.3	1378.0	1379.5	1372.0	1364.5	1372.0	1379.5	1378.0
30°	1335.9	1336.0	1337.0	1340.1	1345.1	1347.0	1339.4	1331.9	1339.4	1347.0	1345.1
32.5°	1300.7	1300.2	1300.4	1303.4	1309.2	1311.8	1304.7	1297.5	1304.7	1311.8	1309.2
35°	1246.6	1245.6	1245.1	1247.6	1253.1	1255.8	1249.7	1243.7	1249.7	1255.8	1253.1
37.5°	1188.8	1188.4	1188.5	1191.1	1196.2	1198.9	1194.3	1189.7	1194.3	1198.9	1196.2
40°	1148.2	1148.0	1148.5	1151.5	1157.0	1159.9	1154.9	1149.9	1154.9	1159.9	1157.0
42.5°	1108.1	1107.6	1107.3	1109.5	1114.2	1116.8	1113.0	1109.2	1113.0	1116.8	1114.2
45°	1043.8	1043.6	1043.6	1045.8	1050.4	1052.9	1049.4	1045.8	1049.4	1052.9	1050.4
47.5°	976.8	976.9	977.5	979.5	983.1	985.0	982.3	979.6	982.3	985.0	983.1
50°	929.9	930.1	931.1	933.4	936.9	938.7	935.2	931.7	935.2	938.7	936.9
52.5°	882.8	883.4	884.8	887.3	890.8	892.5	888.5	884.6	888.5	892.5	890.8
55°	810.9	812.2	814.2	816.7	819.7	820.8	816.3	811.8	816.3	820.8	819.7
57.5°	736.4	737.9	740.3	742.8	745.4	746.3	741.8	737.4	741.8	746.3	745.4
60°	686.6	687.8	689.8	692.3	695.3	696.6	692.6	688.6	692.6	696.6	695.3
62.5°	635.9	637.2	639.2	641.9	645.3	646.9	642.8	638.8	642.8	646.9	645.3
65°	559.8	561.2	563.2	565.7	568.7	570.1	566.6	563.1	566.6	570.1	568.7
67.5°	480.5	482.5	485.4	488.3	491.2	492.7	489.6	486.6	489.6	492.7	491.2
70°	429.6	431.5	434.0	436.6	439.1	440.2	437.2	434.2	437.2	440.2	439.1
72.5°	378.1	379.7	381.8	384.3	387.2	388.7	386.1	383.5	386.1	388.7	387.2
75°	300.6	302.6	305.1	307.2	308.7	309.4	307.9	306.4	307.9	309.4	308.7
77.5°	223.3	224.8	226.8	228.7	230.6	232.0	232.0	232.0	232.0	232.0	230.6
80°	176.1	177.5	179.0	180.5	182.0	183.2	183.2	183.2	183.2	183.2	182.0
82.5°	127.8	129.3	131.6	133.5	135.0	136.3	137.1	137.9	137.1	136.3	135.0
85°	63.2	64.8	66.8	68.6	70.1	71.5	72.5	73.5	72.5	71.5	70.1
87.5°	22.4	23.3	25.0	26.0	26.0	25.6	24.5	23.8	24.5	25.2	26.8
90°	40.3	38.3	38.3	36.4	30.7	23.0	13.4	5.8	13.4	21.1	34.5
92.5°	47.9	47.6	44.5	41.0	33.7	33.7	33.4	21.1	36.4	51.8	74.4
95°	44.1	44.1	51.8	65.2	95.9	97.8	65.2	59.4	84.4	118.9	149.6
97.5°	119.3	141.9	174.1	180.2	170.6	127.3	121.9	113.5	154.5	188.7	238.1
100°	220.5	249.3	272.3	226.2	178.3	176.4	164.9	161.1	205.2	237.8	285.7
102.5°	344.7	353.6	273.8	247.7	236.6	228.5	210.9	208.6	252.7	297.6	337.8
105°	373.9	335.5	337.5	337.5	329.8	314.4	281.9	279.9	329.8	381.6	431.4
107.5°	439.8	445.6	455.6	453.3	444.4	403.4	365.1	356.2	401.1	463.2	518.1
110°	527.3	533.0	536.9	533.0	519.6	467.8	421.8	408.4	448.7	513.9	573.3



TEST NUMBER: P1427783

CATALOG NUMBER: SQ2W-F-K-125U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	611.6	615.9	624.3	612.8	590.2	530.7	478.6	459.0	499.3	566.0	627.0
115°	745.9	745.9	747.8	742.0	696.0	634.6	565.6	536.9	571.4	632.7	699.8
117.5°	877.8	880.1	872.4	857.1	803.8	732.4	655.0	609.0	636.2	701.0	770.0
120°	960.6	964.4	956.8	933.8	882.0	801.5	713.3	659.6	680.7	743.9	813.0
122.5°	1046.5	1045.7	1036.5	1010.5	949.5	865.9	779.2	713.3	722.1	780.8	848.2
125°	1165.8	1163.8	1156.2	1125.5	1062.2	975.9	874.3	793.8	782.3	832.1	901.2
127.5°	1279.3	1275.0	1263.2	1226.0	1161.2	1077.9	966.4	875.1	849.4	880.8	944.1
130°	1357.5	1351.7	1330.7	1290.4	1227.1	1148.5	1035.4	931.8	895.4	914.6	970.2
132.5°	1432.7	1416.2	1398.1	1354.8	1296.1	1214.5	1099.8	991.7	941.4	949.9	993.2
135°	1528.1	1512.8	1489.8	1447.6	1392.0	1311.5	1196.4	1079.5	1010.5	1002.8	1027.7
137.5°	1612.1	1596.0	1569.9	1533.5	1477.5	1405.8	1295.4	1171.9	1084.8	1059.2	1068.7
140°	1664.3	1645.1	1622.1	1585.7	1535.8	1461.0	1353.7	1234.8	1137.0	1100.6	1094.8
142.5°	1707.2	1692.6	1668.1	1634.7	1591.0	1516.3	1411.9	1294.6	1190.7	1143.5	1130.1
145°	1771.6	1760.1	1733.3	1702.6	1666.2	1591.4	1495.5	1378.6	1275.0	1213.7	1184.9
147.5°	1826.1	1816.9	1795.8	1759.8	1729.1	1657.4	1569.9	1466.4	1360.2	1284.3	1247.1
150°	1859.8	1852.2	1831.1	1796.6	1765.9	1698.8	1614.4	1518.6	1416.9	1336.4	1288.5
152.5°	1892.1	1884.4	1860.2	1825.7	1799.6	1737.1	1660.4	1569.2	1466.0	1385.5	1336.0
155°	1934.6	1925.0	1902.0	1869.4	1846.4	1788.9	1718.0	1637.4	1549.2	1464.9	1409.3
157.5°	1968.4	1956.5	1935.0	1907.0	1882.5	1829.5	1767.8	1698.4	1621.3	1540.8	1484.0
160°	1988.3	1974.9	1951.9	1927.0	1903.9	1854.1	1798.5	1735.2	1664.3	1591.4	1530.1
162.5°	2002.1	1990.2	1962.6	1940.8	1920.8	1875.6	1823.0	1765.9	1702.6	1639.0	1582.2
165°	2017.1	2003.6	1974.9	1957.6	1940.4	1902.0	1856.0	1810.0	1756.3	1704.5	1658.5
167.5°	2018.2	2007.1	1978.3	1961.5	1948.8	1915.8	1878.6	1843.4	1801.6	1760.9	1722.6
170°	2015.1	2005.6	1976.8	1961.5	1951.9	1925.0	1892.4	1861.8	1829.2	1794.7	1764.0
172.5°	2004.4	1994.8	1967.6	1955.3	1950.3	1926.6	1900.1	1877.1	1849.1	1823.8	1799.3
175°	1976.8	1969.1	1946.1	1938.5	1940.4	1925.0	1905.9	1892.4	1875.2	1859.8	1846.4
177.5°	1936.5	1931.9	1915.1	1915.1	1921.2	1912.0	1905.9	1899.7	1892.1	1887.5	1882.9
180°	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2



TEST NUMBER: P1427783

CATALOG NUMBER: SQ2W-F-K-125U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1605.5	1605.5	1605.5	1605.5	1605.5	1605.5	1605.5	1605.5	1605.5	1605.5	1605.5
2.5°	1602.6	1600.0	1601.6	1603.0	1603.8	1604.6	1603.8	1603.0	1601.6	1600.0	1602.6
5°	1598.2	1594.7	1595.7	1597.7	1602.8	1607.8	1602.8	1597.7	1595.7	1594.7	1598.2
7.5°	1586.0	1582.8	1584.0	1586.2	1591.5	1596.7	1591.5	1586.2	1584.0	1582.8	1586.0
10°	1574.5	1571.5	1573.5	1576.0	1580.0	1584.0	1580.0	1576.0	1573.5	1571.5	1574.5
12.5°	1562.3	1559.3	1560.5	1562.5	1566.9	1571.4	1566.9	1562.5	1560.5	1559.3	1562.3
15°	1537.8	1535.0	1536.5	1538.7	1542.7	1546.7	1542.7	1538.7	1536.5	1535.0	1537.8
17.5°	1507.2	1504.8	1506.5	1508.7	1512.2	1515.7	1512.2	1508.7	1506.5	1504.8	1507.2
20°	1485.5	1482.5	1483.0	1484.3	1487.8	1491.3	1487.8	1484.3	1483.0	1482.5	1485.5
22.5°	1460.9	1457.3	1456.2	1456.4	1460.8	1465.1	1460.8	1456.4	1456.2	1457.3	1460.9
25°	1419.5	1415.9	1414.4	1414.2	1417.7	1421.2	1417.7	1414.2	1414.4	1415.9	1419.5
27.5°	1373.3	1370.5	1369.5	1369.4	1371.9	1374.4	1371.9	1369.4	1369.5	1370.5	1373.3
30°	1340.1	1337.0	1336.0	1335.9	1338.4	1340.9	1338.4	1335.9	1336.0	1337.0	1340.1
32.5°	1303.4	1300.4	1300.2	1300.7	1303.7	1306.6	1303.7	1300.7	1300.2	1300.4	1303.4
35°	1247.6	1245.1	1245.6	1246.6	1249.1	1251.6	1249.1	1246.6	1245.6	1245.1	1247.6
37.5°	1191.1	1188.5	1188.4	1188.8	1190.9	1193.1	1190.9	1188.8	1188.4	1188.5	1191.1
40°	1151.5	1148.5	1148.0	1148.2	1150.7	1153.3	1150.7	1148.2	1148.0	1148.5	1151.5
42.5°	1109.5	1107.3	1107.6	1108.1	1109.4	1110.7	1109.4	1108.1	1107.6	1107.3	1109.5
45°	1045.8	1043.6	1043.6	1043.8	1044.8	1045.8	1044.8	1043.8	1043.6	1043.6	1045.8
47.5°	979.5	977.5	976.9	976.8	978.4	980.0	978.4	976.8	976.9	977.5	979.5
50°	933.4	931.1	930.1	929.9	931.9	933.9	931.9	929.9	930.1	931.1	933.4
52.5°	887.3	884.8	883.4	882.8	884.4	886.0	884.4	882.8	883.4	884.8	887.3
55°	816.7	814.2	812.2	810.9	811.9	812.9	811.9	810.9	812.2	814.2	816.7
57.5°	742.8	740.3	737.9	736.4	737.8	739.2	737.8	736.4	737.9	740.3	742.8
60°	692.3	689.8	687.8	686.6	687.6	688.6	687.6	686.6	687.8	689.8	692.3
62.5°	641.9	639.2	637.2	635.9	636.9	637.9	636.9	635.9	637.2	639.2	641.9
65°	565.7	563.2	561.2	559.8	560.3	560.8	560.3	559.8	561.2	563.2	565.7
67.5°	488.3	485.4	482.5	480.5	481.3	482.1	481.3	480.5	482.5	485.4	488.3
70°	436.6	434.0	431.5	429.6	429.6	429.6	429.6	429.6	431.5	434.0	436.6
72.5°	384.3	381.8	379.7	378.1	378.1	378.1	378.1	378.1	379.7	381.8	384.3
75°	307.2	305.1	302.6	300.6	300.1	299.6	300.1	300.6	302.6	305.1	307.2
77.5°	228.7	226.8	224.8	223.3	222.7	222.1	222.7	223.3	224.8	226.8	228.7
80°	180.5	179.0	177.5	176.1	175.1	174.1	175.1	176.1	177.5	179.0	180.5
82.5°	133.5	131.6	129.3	127.8	128.8	129.8	128.8	127.8	129.3	131.6	133.5
85°	68.6	66.8	64.8	63.2	62.7	62.2	62.7	63.2	64.8	66.8	68.6
87.5°	27.5	28.8	29.9	30.1	31.2	30.1	31.2	30.1	29.9	28.8	27.5
90°	44.1	57.5	70.9	78.6	86.3	82.4	86.3	78.6	70.9	57.5	44.1
92.5°	88.6	111.2	127.7	141.5	147.6	146.9	147.6	141.5	127.7	111.2	88.6
95°	178.3	205.2	232.0	251.2	262.7	258.8	262.7	251.2	232.0	205.2	178.3
97.5°	275.0	311.0	340.9	358.9	370.4	378.1	370.4	358.9	340.9	311.0	275.0
100°	339.4	373.9	408.4	429.5	448.7	456.3	448.7	429.5	408.4	373.9	339.4
102.5°	391.5	436.8	474.4	497.0	513.1	520.8	513.1	497.0	474.4	436.8	391.5
105°	477.4	525.4	565.6	594.4	611.6	617.4	611.6	594.4	565.6	525.4	477.4
107.5°	563.3	612.8	650.0	681.8	702.9	715.2	702.9	681.8	650.0	612.8	563.3
110°	630.8	671.1	711.3	740.1	761.2	768.9	761.2	740.1	711.3	671.1	630.8



TEST NUMBER: P1427783

CATALOG NUMBER: SQ2W-F-K-125U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	687.6	732.4	772.7	801.5	825.6	836.4	825.6	801.5	772.7	732.4	687.6
115°	766.9	826.4	862.8	889.7	906.9	916.5	906.9	889.7	862.8	826.4	766.9
117.5°	832.9	895.0	934.9	955.6	963.7	970.6	963.7	955.6	934.9	895.0	832.9
120°	874.3	931.8	977.9	1004.7	1014.3	1018.1	1014.3	1004.7	977.9	931.8	874.3
122.5°	912.7	967.1	1011.6	1044.6	1060.3	1064.1	1060.3	1044.6	1011.6	967.1	912.7
125°	966.4	1018.1	1064.1	1096.7	1114.0	1123.6	1114.0	1096.7	1064.1	1018.1	966.4
127.5°	1013.1	1069.1	1111.3	1140.8	1157.7	1165.4	1157.7	1140.8	1111.3	1069.1	1013.1
130°	1039.2	1096.7	1138.9	1171.5	1186.8	1194.5	1186.8	1171.5	1138.9	1096.7	1039.2
132.5°	1059.2	1119.7	1163.5	1193.0	1209.9	1217.5	1209.9	1193.0	1163.5	1119.7	1059.2
135°	1083.3	1146.6	1192.6	1221.4	1236.7	1244.4	1236.7	1221.4	1192.6	1146.6	1083.3
137.5°	1104.4	1161.9	1209.9	1240.2	1254.0	1258.9	1254.0	1240.2	1209.9	1161.9	1104.4
140°	1119.7	1169.6	1217.5	1246.3	1261.6	1263.5	1261.6	1246.3	1217.5	1169.6	1119.7
142.5°	1139.7	1178.8	1220.6	1249.4	1264.7	1268.1	1264.7	1249.4	1220.6	1178.8	1139.7
145°	1175.3	1198.4	1227.1	1254.0	1267.4	1271.2	1267.4	1254.0	1227.1	1198.4	1175.3
147.5°	1220.2	1227.5	1242.5	1260.1	1273.1	1275.8	1273.1	1260.1	1242.5	1227.5	1220.2
150°	1254.0	1252.0	1257.8	1269.3	1280.8	1278.9	1280.8	1269.3	1257.8	1252.0	1254.0
152.5°	1292.3	1281.2	1280.8	1286.2	1291.5	1291.2	1291.5	1286.2	1280.8	1281.2	1292.3
155°	1357.5	1336.4	1324.9	1321.1	1321.1	1319.1	1321.1	1321.1	1324.9	1336.4	1357.5
157.5°	1429.2	1399.7	1382.4	1373.2	1370.5	1366.3	1370.5	1373.2	1382.4	1399.7	1429.2
160°	1478.3	1445.7	1428.4	1413.1	1407.3	1401.6	1407.3	1413.1	1428.4	1445.7	1478.3
162.5°	1524.3	1493.2	1474.5	1460.6	1454.9	1446.1	1454.9	1460.6	1474.5	1493.2	1524.3
165°	1599.1	1566.5	1545.4	1533.9	1526.2	1518.6	1526.2	1533.9	1545.4	1566.5	1599.1
167.5°	1673.9	1638.2	1624.4	1611.4	1604.1	1590.3	1604.1	1611.4	1624.4	1638.2	1673.9
170°	1719.9	1687.3	1679.6	1668.1	1654.7	1639.3	1654.7	1668.1	1679.6	1687.3	1719.9
172.5°	1759.8	1737.9	1730.2	1718.7	1714.5	1702.2	1714.5	1718.7	1730.2	1737.9	1759.8
175°	1817.7	1800.4	1800.4	1798.5	1792.7	1781.2	1792.7	1798.5	1800.4	1800.4	1817.7
177.5°	1866.0	1856.8	1862.9	1862.9	1861.4	1850.6	1861.4	1862.9	1862.9	1856.8	1866.0
180°	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2



TEST NUMBER: P1427783

CATALOG NUMBER: SQ2W-F-K-125U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1605.5	1605.5	1605.5	1605.5
2.5°	1609.4	1612.6	1605.0	1597.4
5°	1606.3	1609.8	1599.7	1589.7
7.5°	1593.7	1596.9	1586.8	1576.8
10°	1582.5	1586.0	1576.0	1565.9
12.5°	1569.6	1572.5	1562.4	1552.4
15°	1544.8	1547.6	1537.6	1527.5
17.5°	1513.8	1516.3	1506.9	1497.4
20°	1492.1	1494.7	1485.7	1476.6
22.5°	1467.0	1469.4	1460.3	1451.3
25°	1425.0	1426.9	1417.8	1408.8
27.5°	1378.0	1379.5	1372.0	1364.5
30°	1345.1	1347.0	1339.4	1331.9
32.5°	1309.2	1311.8	1304.7	1297.5
35°	1253.1	1255.8	1249.7	1243.7
37.5°	1196.2	1198.9	1194.3	1189.7
40°	1157.0	1159.9	1154.9	1149.9
42.5°	1114.2	1116.8	1113.0	1109.2
45°	1050.4	1052.9	1049.4	1045.8
47.5°	983.1	985.0	982.3	979.6
50°	936.9	938.7	935.2	931.7
52.5°	890.8	892.5	888.5	884.6
55°	819.7	820.8	816.3	811.8
57.5°	745.4	746.3	741.8	737.4
60°	695.3	696.6	692.6	688.6
62.5°	645.3	646.9	642.8	638.8
65°	568.7	570.1	566.6	563.1
67.5°	491.2	492.7	489.6	486.6
70°	439.1	440.2	437.2	434.2
72.5°	387.2	388.7	386.1	383.5
75°	308.7	309.4	307.9	306.4
77.5°	230.6	232.0	232.0	232.0
80°	182.0	183.2	183.2	183.2
82.5°	135.0	136.3	137.1	137.9
85°	70.1	71.5	72.5	73.5
87.5°	26.8	25.2	24.5	23.8
90°	34.5	21.1	13.4	5.8
92.5°	74.4	51.8	36.4	21.1
95°	149.6	118.9	84.4	59.4
97.5°	238.1	188.7	154.5	113.5
100°	285.7	237.8	205.2	161.1
102.5°	337.8	297.6	252.7	208.6
105°	431.4	381.6	329.8	279.9
107.5°	518.1	463.2	401.1	356.2
110°	573.3	513.9	448.7	408.4



TEST NUMBER: P1427783

CATALOG NUMBER: SQ2W-F-K-125U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	627.0	566.0	499.3	459.0
115°	699.8	632.7	571.4	536.9
117.5°	770.0	701.0	636.2	609.0
120°	813.0	743.9	680.7	659.6
122.5°	848.2	780.8	722.1	713.3
125°	901.2	832.1	782.3	793.8
127.5°	944.1	880.8	849.4	875.1
130°	970.2	914.6	895.4	931.8
132.5°	993.2	949.9	941.4	991.7
135°	1027.7	1002.8	1010.5	1079.5
137.5°	1068.7	1059.2	1084.8	1171.9
140°	1094.8	1100.6	1137.0	1234.8
142.5°	1130.1	1143.5	1190.7	1294.6
145°	1184.9	1213.7	1275.0	1378.6
147.5°	1247.1	1284.3	1360.2	1466.4
150°	1288.5	1336.4	1416.9	1518.6
152.5°	1336.0	1385.5	1466.0	1569.2
155°	1409.3	1464.9	1549.2	1637.4
157.5°	1484.0	1540.8	1621.3	1698.4
160°	1530.1	1591.4	1664.3	1735.2
162.5°	1582.2	1639.0	1702.6	1765.9
165°	1658.5	1704.5	1756.3	1810.0
167.5°	1722.6	1760.9	1801.6	1843.4
170°	1764.0	1794.7	1829.2	1861.8
172.5°	1799.3	1823.8	1849.1	1877.1
175°	1846.4	1859.8	1875.2	1892.4
177.5°	1882.9	1887.5	1892.1	1899.7
180°	1898.2	1898.2	1898.2	1898.2



TEST NUMBER: P1427783

CATALOG NUMBER: SQ2W-F-K-125U-100D-L830-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	18.69	19.51	19.68	20.52	21.86	18.60	19.43	19.60	20.44	21.78
	3H	20.47	21.22	21.48	22.24	23.60	20.37	21.11	21.38	22.13	23.49
	4H	21.17	21.87	22.19	22.89	24.26	21.05	21.76	22.07	22.78	24.15
	6H	21.60	22.25	22.63	23.28	24.66	21.46	22.11	22.49	23.14	24.52
	8H	21.76	22.38	22.80	23.42	24.80	21.61	22.22	22.64	23.27	24.64
	12H	21.85	22.43	22.89	23.47	24.87	21.67	22.26	22.71	23.29	24.70
4H	2H	19.26	19.97	20.29	20.99	22.36	19.20	19.90	20.22	20.92	22.29
	3H	21.28	21.87	22.32	22.92	24.30	21.19	21.78	22.22	22.83	24.21
	4H	22.09	22.63	23.14	23.67	25.08	21.98	22.52	23.02	23.56	24.97
	6H	22.64	23.11	23.70	24.17	25.57	22.50	22.97	23.56	24.03	25.43
	8H	22.86	23.29	23.91	24.35	25.76	22.70	23.13	23.75	24.19	25.60
	12H	22.97	23.36	24.04	24.43	25.86	22.78	23.18	23.86	24.25	25.67
8H	4H	22.34	22.77	23.39	23.83	25.24	22.24	22.67	23.29	23.73	25.14
	6H	23.02	23.38	24.10	24.48	25.89	22.89	23.25	23.97	24.35	25.76
	8H	23.33	23.64	24.41	24.73	26.16	23.17	23.49	24.26	24.57	26.00
	12H	23.51	23.79	24.60	24.86	26.34	23.32	23.59	24.41	24.67	26.15
12H	4H	22.33	22.72	23.40	23.79	25.21	22.23	22.63	23.31	23.70	25.12
	6H	23.07	23.39	24.16	24.47	25.90	22.95	23.26	24.03	24.35	25.78
	8H	23.41	23.68	24.49	24.76	26.23	23.25	23.53	24.34	24.61	26.08