

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: P1428286

Luminaire Tested: SQ2W-PR1-K-125U-075D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428286  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-PR1-K-125U-075D-L940-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE RIPPLE LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 750 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

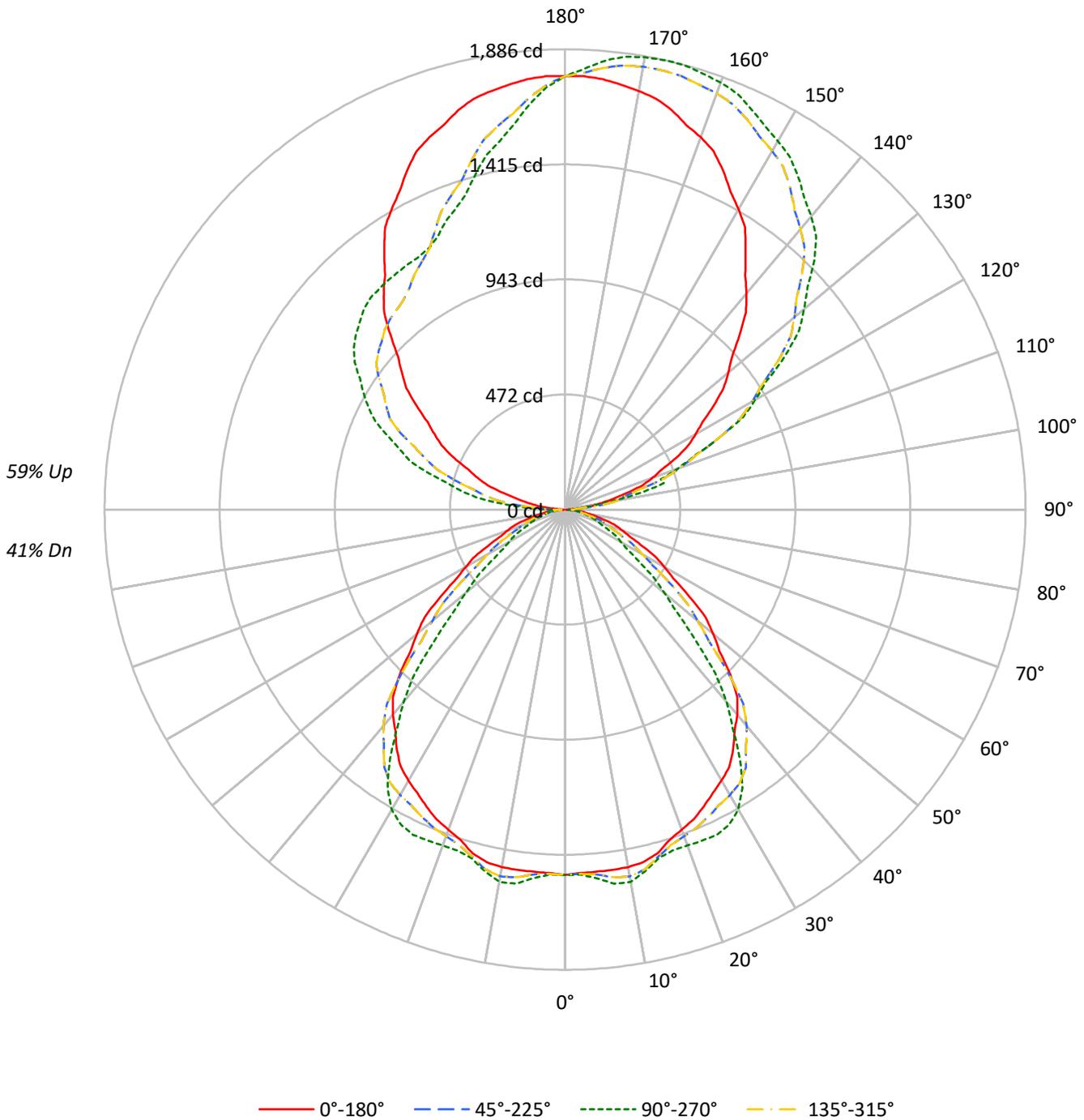
Lumens per Lamp: N/A  
Luminaire Lumens: 8793.8 lumens  
Efficiency: N/A  
Efficacy: 124.4 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 70.7  
Input Voltage (V): 120  
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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CATALOG NUMBER: SQ2W-PR1-K-125U-075D-L940-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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41				
1	96	92	89	85	88	84	81	78	69	67	65	56	54	53	43	42	41	36				
2	88	81	75	70	80	74	69	65	61	58	55	49	47	45	39	37	36	31				
3	81	72	65	59	73	66	60	55	55	50	47	44	41	39	35	33	31	26				
4	74	64	56	50	67	58	52	47	49	44	40	40	36	33	31	29	27	23				
5	68	57	49	43	62	52	46	40	44	39	35	36	32	29	28	26	24	20				
6	63	51	43	38	57	47	40	35	39	34	30	32	29	26	26	23	21	18				
7	58	46	38	33	53	43	36	31	36	31	27	29	26	23	24	21	19	16				
8	54	42	34	29	49	39	32	27	33	28	24	27	23	20	22	19	17	14				
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	20	17	15	13				
10	47	35	28	23	43	32	26	22	28	23	19	23	19	17	19	16	14	12				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	24168	24168	24168	24168
5°	24137	24583	24137	24583
10°	24392	25392	24392	25392
15°	24384	24715	24384	24715
20°	23989	25170	23989	25170
25°	23922	26205	23922	26205
30°	23897	26457	23897	26457
35°	23670	24632	23670	24632
40°	23123	21677	23123	21677
45°	21881	17141	21881	17141
50°	19891	13300	19891	13300
55°	17480	10350	17480	10350
60°	15128	8525	15128	8525
65°	13058	7461	13058	7461
70°	11740	6628	11740	6628
75°	10755	6095	10755	6095
80°	9363	5960	9363	5960
85°	6780	2834	6780	2834

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 23491 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.6	1.6
10°-20°	418.5	4.8
20°-30°	646.9	7.4
30°-40°	778.0	8.8
40°-50°	698.6	7.9
50°-60°	468.1	5.3
60°-70°	272.3	3.1
70°-80°	139.9	1.6
80°-90°	41.9	0.5
90°-100°	141.3	1.6
100°-110°	412.2	4.7
110°-120°	672.6	7.6
120°-130°	853.5	9.7
130°-140°	913.3	10.4
140°-150°	852.8	9.7
150°-160°	701.7	8.0
160°-170°	470.6	5.4
170°-180°	167.1	1.9
0°-30°	1210.0	13.8
0°-40°	1987.9	22.6
0°-60°	3154.6	35.9
0°-90°	3608.7	41.0
90°-120°	1226.1	13.9
90°-150°	3845.7	43.7
90°-180°	5185.0	59.0
0°-180°	8793.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1497	1497	1497	1497	1497	
5°	1489	1517	1489	1517	1489	142
15°	1459	1479	1459	1479	1459	410
25°	1343	1471	1343	1471	1343	619
35°	1201	1250	1201	1250	1201	749
45°	958	751	958	751	958	733
55°	621	368	621	368	621	558
65°	342	195	342	195	342	346
75°	172	98	172	98	172	183
85°	37	15	37	15	37	46
90°	5	40	5	77	5	6
95°	56	41	56	242	56	67
105°	262	420	262	578	262	279
115°	502	696	502	857	502	495
125°	743	1103	743	1051	743	664
135°	1010	1444	1010	1164	1010	780
145°	1290	1665	1290	1189	1290	807
155°	1532	1808	1532	1234	1532	704
165°	1693	1885	1693	1421	1693	477
175°	1770	1846	1770	1666	1770	168
180°	1776	1776	1776	1776	1776	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9
2.5°	1490.8	1499.0	1507.1	1503.4	1495.8	1492.3	1492.9	1493.7	1495.3	1496.9	1495.3
5°	1489.3	1500.8	1512.3	1509.6	1502.2	1499.1	1500.5	1503.2	1510.0	1516.8	1510.0
7.5°	1489.0	1505.4	1521.8	1523.1	1519.3	1519.3	1523.3	1528.5	1537.4	1546.4	1537.4
10°	1487.8	1507.4	1527.1	1530.0	1527.3	1526.3	1526.9	1529.8	1539.3	1548.8	1539.3
12.5°	1480.4	1503.4	1526.3	1523.9	1513.0	1507.1	1506.2	1506.8	1511.9	1517.1	1511.9
15°	1458.8	1485.9	1513.0	1502.0	1478.3	1467.4	1469.5	1471.8	1475.2	1478.6	1475.2
17.5°	1420.6	1449.0	1477.3	1467.4	1444.8	1437.1	1444.4	1451.6	1458.2	1464.9	1458.2
20°	1396.2	1424.0	1451.8	1445.0	1426.7	1422.3	1431.8	1441.8	1453.3	1464.9	1453.3
22.5°	1374.2	1402.0	1429.8	1425.5	1410.5	1409.6	1422.9	1436.8	1452.7	1468.5	1452.7
25°	1342.8	1367.2	1391.6	1392.1	1384.7	1392.1	1414.5	1435.7	1453.3	1471.0	1453.3
27.5°	1309.8	1324.2	1338.6	1348.1	1356.0	1375.0	1405.3	1431.0	1443.4	1455.7	1443.4
30°	1281.8	1291.3	1300.8	1318.4	1338.7	1362.1	1388.6	1409.6	1414.4	1419.1	1414.4
32.5°	1251.2	1256.9	1262.6	1287.5	1318.7	1341.2	1355.2	1364.2	1358.1	1352.0	1358.1
35°	1200.9	1205.6	1210.4	1242.1	1282.8	1297.7	1286.9	1275.5	1262.6	1249.7	1262.6
37.5°	1141.1	1150.8	1160.6	1186.4	1217.6	1217.4	1185.6	1158.1	1143.3	1128.6	1143.3
40°	1097.1	1113.4	1129.7	1147.0	1164.6	1149.7	1102.2	1062.4	1045.4	1028.5	1045.4
42.5°	1043.4	1069.5	1095.5	1099.4	1095.8	1063.8	1003.3	952.8	932.0	911.3	932.0
45°	958.3	993.5	1028.8	1008.6	970.0	917.8	852.0	796.9	773.8	750.7	773.8
47.5°	857.9	894.1	930.3	892.3	829.5	768.7	710.0	660.5	639.0	617.4	639.0
50°	791.9	821.1	850.3	807.2	740.1	679.0	624.1	577.0	553.2	529.5	553.2
52.5°	724.8	745.8	766.9	724.2	660.3	600.9	546.0	499.4	477.8	456.2	477.8
55°	621.0	631.9	642.7	603.2	547.0	492.7	440.5	397.6	382.7	367.7	382.7
57.5°	525.8	532.7	539.7	502.2	450.0	401.7	357.4	321.4	310.4	299.4	310.4
60°	468.5	473.2	477.9	440.0	387.8	344.3	309.8	281.6	272.8	264.0	272.8
62.5°	416.0	419.6	423.3	386.7	336.6	297.8	270.3	248.0	241.3	234.7	241.3
65°	341.8	345.2	348.6	317.4	274.7	242.8	221.8	204.8	200.1	195.3	200.1
67.5°	282.9	284.7	286.4	260.7	225.9	200.2	183.6	170.1	165.6	161.1	165.6
70°	248.7	249.4	250.1	227.4	196.8	174.1	159.2	147.2	143.8	140.4	143.8
72.5°	218.2	217.3	216.3	196.0	169.3	149.8	137.6	127.9	125.6	123.3	125.6
75°	172.4	170.4	168.4	151.6	129.9	115.0	106.8	100.4	99.0	97.7	99.0
77.5°	128.8	126.6	124.4	110.5	92.6	82.3	79.6	77.5	77.5	77.5	77.5
80°	100.7	98.0	95.3	84.4	70.9	64.1	64.1	64.1	64.1	64.1	64.1
82.5°	75.1	71.3	67.5	60.8	53.2	49.4	49.4	49.3	48.8	48.2	48.8
85°	36.6	33.2	29.8	29.0	29.0	27.0	22.9	19.3	17.3	15.3	17.3
87.5°	10.8	12.3	14.1	13.5	11.8	10.8	10.8	11.2	11.6	11.6	11.6
90°	5.4	12.6	21.5	28.7	34.1	35.9	35.9	37.7	39.5	39.5	39.5
92.5°	19.7	31.2	31.6	31.6	38.4	41.6	44.5	44.8	46.6	46.6	46.6
95°	55.6	61.0	91.5	89.7	61.0	48.4	41.3	41.3	41.3	41.3	41.3
97.5°	106.2	114.1	119.1	159.6	168.6	162.9	132.7	111.6	99.7	94.4	99.7
100°	150.7	154.3	165.0	166.8	211.7	254.7	233.2	206.3	197.3	191.9	197.3
102.5°	195.2	197.3	213.8	221.4	231.8	256.2	330.8	322.5	316.4	315.3	316.4
105°	261.9	263.7	294.2	308.5	315.7	315.7	313.9	349.8	407.2	419.7	407.2
107.5°	333.3	341.5	377.4	415.8	424.0	426.2	416.9	411.5	409.3	410.8	409.3
110°	382.1	394.6	437.7	486.1	498.7	502.3	498.7	493.3	489.7	489.7	489.7



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	429.4	447.7	496.5	552.1	573.3	584.1	576.2	572.2	568.6	571.5	568.6
115°	502.3	529.2	593.7	651.1	694.2	699.6	697.8	697.8	696.0	696.0	696.0
117.5°	569.7	612.8	685.2	752.0	801.8	816.2	823.3	821.2	819.0	822.6	819.0
120°	617.1	667.3	749.8	825.1	873.6	895.1	902.3	898.7	902.3	898.7	902.3
122.5°	667.3	729.0	810.1	888.3	945.3	969.7	978.3	979.0	979.8	977.6	979.8
125°	742.6	818.0	913.0	993.8	1052.9	1081.6	1088.8	1090.6	1094.2	1103.2	1094.2
127.5°	818.7	904.1	1008.5	1086.3	1146.9	1181.7	1192.9	1196.8	1204.3	1208.3	1204.3
130°	871.8	968.6	1074.5	1148.0	1207.2	1244.9	1264.6	1270.0	1279.0	1277.2	1279.0
132.5°	927.7	1028.9	1136.2	1212.6	1267.5	1308.0	1324.9	1340.3	1343.5	1346.1	1343.5
135°	1009.9	1119.3	1226.9	1302.3	1354.3	1393.8	1415.3	1429.6	1438.6	1444.0	1438.6
137.5°	1096.4	1211.9	1315.2	1382.3	1434.7	1468.7	1493.1	1508.2	1517.5	1521.8	1517.5
140°	1155.2	1266.4	1366.9	1436.8	1483.5	1517.5	1539.1	1557.0	1567.8	1567.8	1567.8
142.5°	1211.2	1320.9	1418.5	1488.5	1529.4	1560.6	1583.5	1597.2	1609.4	1609.4	1609.4
145°	1289.7	1399.1	1488.8	1558.8	1592.9	1621.6	1646.7	1657.5	1664.6	1664.6	1664.6
147.5°	1371.9	1468.7	1550.5	1617.6	1646.3	1680.1	1699.8	1708.4	1717.4	1713.4	1717.4
150°	1420.7	1510.4	1589.3	1652.1	1680.8	1713.1	1732.8	1740.0	1748.9	1743.6	1748.9
152.5°	1468.0	1553.4	1625.2	1683.6	1708.0	1740.3	1762.9	1770.1	1776.2	1772.3	1776.2
155°	1531.9	1607.2	1673.6	1727.4	1748.9	1779.4	1801.0	1809.9	1817.1	1808.1	1817.1
157.5°	1588.9	1653.9	1711.6	1761.1	1784.1	1810.3	1830.4	1841.5	1848.7	1844.7	1848.7
160°	1623.4	1682.6	1734.6	1781.2	1802.7	1826.1	1847.6	1860.1	1867.3	1861.9	1867.3
162.5°	1652.1	1705.5	1754.7	1797.0	1815.7	1836.1	1861.9	1873.1	1880.2	1873.4	1880.2
165°	1693.3	1736.4	1779.4	1815.3	1831.4	1847.6	1874.5	1887.1	1892.4	1885.3	1892.4
167.5°	1724.5	1757.5	1792.3	1823.2	1835.0	1850.8	1877.7	1888.1	1894.9	1886.0	1894.9
170°	1741.8	1770.5	1801.0	1826.1	1835.0	1849.4	1876.3	1885.3	1890.6	1881.7	1890.6
172.5°	1756.1	1777.6	1802.4	1824.6	1829.3	1840.8	1866.2	1875.2	1879.2	1871.6	1879.2
175°	1770.5	1783.0	1801.0	1815.3	1813.5	1820.7	1842.2	1849.4	1856.6	1845.8	1856.6
177.5°	1777.3	1783.0	1788.8	1797.4	1791.6	1791.6	1807.4	1811.7	1813.2	1807.4	1813.2
180°	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9
2.5°	1493.7	1492.9	1492.3	1495.8	1503.4	1507.1	1499.0	1490.8	1499.0	1507.1	1503.4
5°	1503.2	1500.5	1499.1	1502.2	1509.6	1512.3	1500.8	1489.3	1500.8	1512.3	1509.6
7.5°	1528.5	1523.3	1519.3	1519.3	1523.1	1521.8	1505.4	1489.0	1505.4	1521.8	1523.1
10°	1529.8	1526.9	1526.3	1527.3	1530.0	1527.1	1507.4	1487.8	1507.4	1527.1	1530.0
12.5°	1506.8	1506.2	1507.1	1513.0	1523.9	1526.3	1503.4	1480.4	1503.4	1526.3	1523.9
15°	1471.8	1469.5	1467.4	1478.3	1502.0	1513.0	1485.9	1458.8	1485.9	1513.0	1502.0
17.5°	1451.6	1444.4	1437.1	1444.8	1467.4	1477.3	1449.0	1420.6	1449.0	1477.3	1467.4
20°	1441.8	1431.8	1422.3	1426.7	1445.0	1451.8	1424.0	1396.2	1424.0	1451.8	1445.0
22.5°	1436.8	1422.9	1409.6	1410.5	1425.5	1429.8	1402.0	1374.2	1402.0	1429.8	1425.5
25°	1435.7	1414.5	1392.1	1384.7	1392.1	1391.6	1367.2	1342.8	1367.2	1391.6	1392.1
27.5°	1431.0	1405.3	1375.0	1356.0	1348.1	1338.6	1324.2	1309.8	1324.2	1338.6	1348.1
30°	1409.6	1388.6	1362.1	1338.7	1318.4	1300.8	1291.3	1281.8	1291.3	1300.8	1318.4
32.5°	1364.2	1355.2	1341.2	1318.7	1287.5	1262.6	1256.9	1251.2	1256.9	1262.6	1287.5
35°	1275.5	1286.9	1297.7	1282.8	1242.1	1210.4	1205.6	1200.9	1205.6	1210.4	1242.1
37.5°	1158.1	1185.6	1217.4	1217.6	1186.4	1160.6	1150.8	1141.1	1150.8	1160.6	1186.4
40°	1062.4	1102.2	1149.7	1164.6	1147.0	1129.7	1113.4	1097.1	1113.4	1129.7	1147.0
42.5°	952.8	1003.3	1063.8	1095.8	1099.4	1095.5	1069.5	1043.4	1069.5	1095.5	1099.4
45°	796.9	852.0	917.8	970.0	1008.6	1028.8	993.5	958.3	993.5	1028.8	1008.6
47.5°	660.5	710.0	768.7	829.5	892.3	930.3	894.1	857.9	894.1	930.3	892.3
50°	577.0	624.1	679.0	740.1	807.2	850.3	821.1	791.9	821.1	850.3	807.2
52.5°	499.4	546.0	600.9	660.3	724.2	766.9	745.8	724.8	745.8	766.9	724.2
55°	397.6	440.5	492.7	547.0	603.2	642.7	631.9	621.0	631.9	642.7	603.2
57.5°	321.4	357.4	401.7	450.0	502.2	539.7	532.7	525.8	532.7	539.7	502.2
60°	281.6	309.8	344.3	387.8	440.0	477.9	473.2	468.5	473.2	477.9	440.0
62.5°	248.0	270.3	297.8	336.6	386.7	423.3	419.6	416.0	419.6	423.3	386.7
65°	204.8	221.8	242.8	274.7	317.4	348.6	345.2	341.8	345.2	348.6	317.4
67.5°	170.1	183.6	200.2	225.9	260.7	286.4	284.7	282.9	284.7	286.4	260.7
70°	147.2	159.2	174.1	196.8	227.4	250.1	249.4	248.7	249.4	250.1	227.4
72.5°	127.9	137.6	149.8	169.3	196.0	216.3	217.3	218.2	217.3	216.3	196.0
75°	100.4	106.8	115.0	129.9	151.6	168.4	170.4	172.4	170.4	168.4	151.6
77.5°	77.5	79.6	82.3	92.6	110.5	124.4	126.6	128.8	126.6	124.4	110.5
80°	64.1	64.1	64.1	70.9	84.4	95.3	98.0	100.7	98.0	95.3	84.4
82.5°	49.3	49.4	49.4	53.2	60.8	67.5	71.3	75.1	71.3	67.5	60.8
85°	19.3	22.9	27.0	29.0	29.0	29.8	33.2	36.6	33.2	29.8	29.0
87.5°	11.2	10.8	10.8	11.8	13.5	14.1	12.3	10.8	12.3	13.7	14.2
90°	37.7	35.9	35.9	34.1	28.7	21.5	12.6	5.4	12.6	19.7	32.3
92.5°	44.8	44.5	41.6	38.4	31.6	31.6	31.2	19.7	34.1	48.4	69.6
95°	41.3	41.3	48.4	61.0	89.7	91.5	61.0	55.6	78.9	111.2	139.9
97.5°	111.6	132.7	162.9	168.6	159.6	119.1	114.1	106.2	144.6	176.5	222.8
100°	206.3	233.2	254.7	211.7	166.8	165.0	154.3	150.7	191.9	222.4	267.3
102.5°	322.5	330.8	256.2	231.8	221.4	213.8	197.3	195.2	236.4	278.4	316.1
105°	349.8	313.9	315.7	315.7	308.5	294.2	263.7	261.9	308.5	357.0	403.6
107.5°	411.5	416.9	426.2	424.0	415.8	377.4	341.5	333.3	375.3	433.4	484.7
110°	493.3	498.7	502.3	498.7	486.1	437.7	394.6	382.1	419.7	480.7	536.3



TEST NUMBER: P1428286

CATALOG NUMBER: SQ2W-PR1-K-125U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	572.2	576.2	584.1	573.3	552.1	496.5	447.7	429.4	467.1	529.5	586.6
115°	697.8	697.8	699.6	694.2	651.1	593.7	529.2	502.3	534.5	591.9	654.7
117.5°	821.2	823.3	816.2	801.8	752.0	685.2	612.8	569.7	595.2	655.8	720.4
120°	898.7	902.3	895.1	873.6	825.1	749.8	667.3	617.1	636.8	696.0	760.6
122.5°	979.0	978.3	969.7	945.3	888.3	810.1	729.0	667.3	675.5	730.4	793.6
125°	1090.6	1088.8	1081.6	1052.9	993.8	913.0	818.0	742.6	731.9	778.5	843.1
127.5°	1196.8	1192.9	1181.7	1146.9	1086.3	1008.5	904.1	818.7	794.6	824.1	883.3
130°	1270.0	1264.6	1244.9	1207.2	1148.0	1074.5	968.6	871.8	837.7	855.6	907.7
132.5°	1340.3	1324.9	1308.0	1267.5	1212.6	1136.2	1028.9	927.7	880.7	888.6	929.2
135°	1429.6	1415.3	1393.8	1354.3	1302.3	1226.9	1119.3	1009.9	945.3	938.1	961.5
137.5°	1508.2	1493.1	1468.7	1434.7	1382.3	1315.2	1211.9	1096.4	1014.9	990.9	999.9
140°	1557.0	1539.1	1517.5	1483.5	1436.8	1366.9	1266.4	1155.2	1063.7	1029.6	1024.2
142.5°	1597.2	1583.5	1560.6	1529.4	1488.5	1418.5	1320.9	1211.2	1113.9	1069.8	1057.3
145°	1657.5	1646.7	1621.6	1592.9	1558.8	1488.8	1399.1	1289.7	1192.9	1135.5	1108.6
147.5°	1708.4	1699.8	1680.1	1646.3	1617.6	1550.5	1468.7	1371.9	1272.5	1201.5	1166.7
150°	1740.0	1732.8	1713.1	1680.8	1652.1	1589.3	1510.4	1420.7	1325.6	1250.3	1205.4
152.5°	1770.1	1762.9	1740.3	1708.0	1683.6	1625.2	1553.4	1468.0	1371.5	1296.2	1249.9
155°	1809.9	1801.0	1779.4	1748.9	1727.4	1673.6	1607.2	1531.9	1449.4	1370.4	1318.4
157.5°	1841.5	1830.4	1810.3	1784.1	1761.1	1711.6	1653.9	1588.9	1516.8	1441.5	1388.4
160°	1860.1	1847.6	1826.1	1802.7	1781.2	1734.6	1682.6	1623.4	1557.0	1488.8	1431.4
162.5°	1873.1	1861.9	1836.1	1815.7	1797.0	1754.7	1705.5	1652.1	1592.9	1533.3	1480.2
165°	1887.1	1874.5	1847.6	1831.4	1815.3	1779.4	1736.4	1693.3	1643.1	1594.7	1551.6
167.5°	1888.1	1877.7	1850.8	1835.0	1823.2	1792.3	1757.5	1724.5	1685.4	1647.4	1611.5
170°	1885.3	1876.3	1849.4	1835.0	1826.1	1801.0	1770.5	1741.8	1711.3	1679.0	1650.3
172.5°	1875.2	1866.2	1840.8	1829.3	1824.6	1802.4	1777.6	1756.1	1729.9	1706.2	1683.3
175°	1849.4	1842.2	1820.7	1813.5	1815.3	1801.0	1783.0	1770.5	1754.3	1740.0	1727.4
177.5°	1811.7	1807.4	1791.6	1791.6	1797.4	1788.8	1783.0	1777.3	1770.1	1765.8	1761.5
180°	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1428286

CATALOG NUMBER: SQ2W-PR1-K-125U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9
2.5°	1495.8	1492.3	1492.9	1493.7	1495.3	1496.9	1495.3	1493.7	1492.9	1492.3	1495.8
5°	1502.2	1499.1	1500.5	1503.2	1510.0	1516.8	1510.0	1503.2	1500.5	1499.1	1502.2
7.5°	1519.3	1519.3	1523.3	1528.5	1537.4	1546.4	1537.4	1528.5	1523.3	1519.3	1519.3
10°	1527.3	1526.3	1526.9	1529.8	1539.3	1548.8	1539.3	1529.8	1526.9	1526.3	1527.3
12.5°	1513.0	1507.1	1506.2	1506.8	1511.9	1517.1	1511.9	1506.8	1506.2	1507.1	1513.0
15°	1478.3	1467.4	1469.5	1471.8	1475.2	1478.6	1475.2	1471.8	1469.5	1467.4	1478.3
17.5°	1444.8	1437.1	1444.4	1451.6	1458.2	1464.9	1458.2	1451.6	1444.4	1437.1	1444.8
20°	1426.7	1422.3	1431.8	1441.8	1453.3	1464.9	1453.3	1441.8	1431.8	1422.3	1426.7
22.5°	1410.5	1409.6	1422.9	1436.8	1452.7	1468.5	1452.7	1436.8	1422.9	1409.6	1410.5
25°	1384.7	1392.1	1414.5	1435.7	1453.3	1471.0	1453.3	1435.7	1414.5	1392.1	1384.7
27.5°	1356.0	1375.0	1405.3	1431.0	1443.4	1455.7	1443.4	1431.0	1405.3	1375.0	1356.0
30°	1338.7	1362.1	1388.6	1409.6	1414.4	1419.1	1414.4	1409.6	1388.6	1362.1	1338.7
32.5°	1318.7	1341.2	1355.2	1364.2	1358.1	1352.0	1358.1	1364.2	1355.2	1341.2	1318.7
35°	1282.8	1297.7	1286.9	1275.5	1262.6	1249.7	1262.6	1275.5	1286.9	1297.7	1282.8
37.5°	1217.6	1217.4	1185.6	1158.1	1143.3	1128.6	1143.3	1158.1	1185.6	1217.4	1217.6
40°	1164.6	1149.7	1102.2	1062.4	1045.4	1028.5	1045.4	1062.4	1102.2	1149.7	1164.6
42.5°	1095.8	1063.8	1003.3	952.8	932.0	911.3	932.0	952.8	1003.3	1063.8	1095.8
45°	970.0	917.8	852.0	796.9	773.8	750.7	773.8	796.9	852.0	917.8	970.0
47.5°	829.5	768.7	710.0	660.5	639.0	617.4	639.0	660.5	710.0	768.7	829.5
50°	740.1	679.0	624.1	577.0	553.2	529.5	553.2	577.0	624.1	679.0	740.1
52.5°	660.3	600.9	546.0	499.4	477.8	456.2	477.8	499.4	546.0	600.9	660.3
55°	547.0	492.7	440.5	397.6	382.7	367.7	382.7	397.6	440.5	492.7	547.0
57.5°	450.0	401.7	357.4	321.4	310.4	299.4	310.4	321.4	357.4	401.7	450.0
60°	387.8	344.3	309.8	281.6	272.8	264.0	272.8	281.6	309.8	344.3	387.8
62.5°	336.6	297.8	270.3	248.0	241.3	234.7	241.3	248.0	270.3	297.8	336.6
65°	274.7	242.8	221.8	204.8	200.1	195.3	200.1	204.8	221.8	242.8	274.7
67.5°	225.9	200.2	183.6	170.1	165.6	161.1	165.6	170.1	183.6	200.2	225.9
70°	196.8	174.1	159.2	147.2	143.8	140.4	143.8	147.2	159.2	174.1	196.8
72.5°	169.3	149.8	137.6	127.9	125.6	123.3	125.6	127.9	137.6	149.8	169.3
75°	129.9	115.0	106.8	100.4	99.0	97.7	99.0	100.4	106.8	115.0	129.9
77.5°	92.6	82.3	79.6	77.5	77.5	77.5	77.5	77.5	79.6	82.3	92.6
80°	70.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	70.9
82.5°	53.2	49.4	49.4	49.3	48.8	48.2	48.8	49.3	49.4	49.4	53.2
85°	29.0	27.0	22.9	19.3	17.3	15.3	17.3	19.3	22.9	27.0	29.0
87.5°	13.3	14.4	16.9	18.4	19.8	19.1	19.8	18.4	16.9	14.4	13.3
90°	41.3	53.8	66.4	73.5	80.7	77.1	80.7	73.5	66.4	53.8	41.3
92.5°	82.9	104.0	119.5	132.4	138.1	137.4	138.1	132.4	119.5	104.0	82.9
95°	166.8	191.9	217.0	235.0	245.7	242.2	245.7	235.0	217.0	191.9	166.8
97.5°	257.2	291.0	318.9	335.8	346.6	353.7	346.6	335.8	318.9	291.0	257.2
100°	317.5	349.8	382.1	401.8	419.7	426.9	419.7	401.8	382.1	349.8	317.5
102.5°	366.3	408.6	443.8	464.9	480.0	487.2	480.0	464.9	443.8	408.6	366.3
105°	446.7	491.5	529.2	556.1	572.2	577.6	572.2	556.1	529.2	491.5	446.7
107.5°	527.0	573.3	608.1	637.9	657.6	669.1	657.6	637.9	608.1	573.3	527.0
110°	590.2	627.8	665.5	692.4	712.1	719.3	712.1	692.4	665.5	627.8	590.2



TEST NUMBER: P1428286

CATALOG NUMBER: SQ2W-PR1-K-125U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	643.2	685.2	722.9	749.8	772.4	782.4	772.4	749.8	722.9	685.2	643.2
115°	717.5	773.1	807.2	832.3	848.5	857.4	848.5	832.3	807.2	773.1	717.5
117.5°	779.2	837.3	874.6	894.0	901.6	908.0	901.6	894.0	874.6	837.3	779.2
120°	818.0	871.8	914.8	939.9	948.9	952.5	948.9	939.9	914.8	871.8	818.0
122.5°	853.8	904.8	946.4	977.3	992.0	995.5	992.0	977.3	946.4	904.8	853.8
125°	904.1	952.5	995.5	1026.0	1042.2	1051.2	1042.2	1026.0	995.5	952.5	904.1
127.5°	947.8	1000.2	1039.7	1067.3	1083.1	1090.3	1083.1	1067.3	1039.7	1000.2	947.8
130°	972.2	1026.0	1065.5	1096.0	1110.3	1117.5	1110.3	1096.0	1065.5	1026.0	972.2
132.5°	990.9	1047.6	1088.5	1116.1	1131.9	1139.0	1131.9	1116.1	1088.5	1047.6	990.9
135°	1013.5	1072.7	1115.7	1142.6	1157.0	1164.2	1157.0	1142.6	1115.7	1072.7	1013.5
137.5°	1033.2	1087.0	1131.9	1160.2	1173.1	1177.8	1173.1	1160.2	1131.9	1087.0	1033.2
140°	1047.6	1094.2	1139.0	1166.0	1180.3	1182.1	1180.3	1166.0	1139.0	1094.2	1047.6
142.5°	1066.2	1102.8	1141.9	1168.8	1183.2	1186.4	1183.2	1168.8	1141.9	1102.8	1066.2
145°	1099.6	1121.1	1148.0	1173.1	1185.7	1189.3	1185.7	1173.1	1148.0	1121.1	1099.6
147.5°	1141.6	1148.4	1162.4	1178.9	1191.1	1193.6	1191.1	1178.9	1162.4	1148.4	1141.6
150°	1173.1	1171.3	1176.7	1187.5	1198.2	1196.5	1198.2	1187.5	1176.7	1171.3	1173.1
152.5°	1209.0	1198.6	1198.2	1203.3	1208.3	1207.9	1208.3	1203.3	1198.2	1198.6	1209.0
155°	1270.0	1250.3	1239.5	1235.9	1235.9	1234.1	1235.9	1235.9	1239.5	1250.3	1270.0
157.5°	1337.1	1309.5	1293.3	1284.7	1282.2	1278.2	1282.2	1284.7	1293.3	1309.5	1337.1
160°	1383.0	1352.5	1336.4	1322.0	1316.6	1311.3	1316.6	1322.0	1336.4	1352.5	1383.0
162.5°	1426.1	1397.0	1379.4	1366.5	1361.1	1352.9	1361.1	1366.5	1379.4	1397.0	1426.1
165°	1496.0	1465.5	1445.8	1435.0	1427.8	1420.7	1427.8	1435.0	1445.8	1465.5	1496.0
167.5°	1566.0	1532.6	1519.7	1507.5	1500.7	1487.8	1500.7	1507.5	1519.7	1532.6	1566.0
170°	1609.0	1578.5	1571.4	1560.6	1548.0	1533.7	1548.0	1560.6	1571.4	1578.5	1609.0
172.5°	1646.3	1625.9	1618.7	1607.9	1604.0	1592.5	1604.0	1607.9	1618.7	1625.9	1646.3
175°	1700.5	1684.4	1684.4	1682.6	1677.2	1666.4	1677.2	1682.6	1684.4	1684.4	1700.5
177.5°	1745.7	1737.1	1742.8	1742.8	1741.4	1731.4	1741.4	1742.8	1742.8	1737.1	1745.7
180°	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1428286

CATALOG NUMBER: SQ2W-PR1-K-125U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1496.9	1496.9	1496.9	1496.9
2.5°	1503.4	1507.1	1499.0	1490.8
5°	1509.6	1512.3	1500.8	1489.3
7.5°	1523.1	1521.8	1505.4	1489.0
10°	1530.0	1527.1	1507.4	1487.8
12.5°	1523.9	1526.3	1503.4	1480.4
15°	1502.0	1513.0	1485.9	1458.8
17.5°	1467.4	1477.3	1449.0	1420.6
20°	1445.0	1451.8	1424.0	1396.2
22.5°	1425.5	1429.8	1402.0	1374.2
25°	1392.1	1391.6	1367.2	1342.8
27.5°	1348.1	1338.6	1324.2	1309.8
30°	1318.4	1300.8	1291.3	1281.8
32.5°	1287.5	1262.6	1256.9	1251.2
35°	1242.1	1210.4	1205.6	1200.9
37.5°	1186.4	1160.6	1150.8	1141.1
40°	1147.0	1129.7	1113.4	1097.1
42.5°	1099.4	1095.5	1069.5	1043.4
45°	1008.6	1028.8	993.5	958.3
47.5°	892.3	930.3	894.1	857.9
50°	807.2	850.3	821.1	791.9
52.5°	724.2	766.9	745.8	724.8
55°	603.2	642.7	631.9	621.0
57.5°	502.2	539.7	532.7	525.8
60°	440.0	477.9	473.2	468.5
62.5°	386.7	423.3	419.6	416.0
65°	317.4	348.6	345.2	341.8
67.5°	260.7	286.4	284.7	282.9
70°	227.4	250.1	249.4	248.7
72.5°	196.0	216.3	217.3	218.2
75°	151.6	168.4	170.4	172.4
77.5°	110.5	124.4	126.6	128.8
80°	84.4	95.3	98.0	100.7
82.5°	60.8	67.5	71.3	75.1
85°	29.0	29.8	33.2	36.6
87.5°	14.2	13.7	12.3	10.8
90°	32.3	19.7	12.6	5.4
92.5°	69.6	48.4	34.1	19.7
95°	139.9	111.2	78.9	55.6
97.5°	222.8	176.5	144.6	106.2
100°	267.3	222.4	191.9	150.7
102.5°	316.1	278.4	236.4	195.2
105°	403.6	357.0	308.5	261.9
107.5°	484.7	433.4	375.3	333.3
110°	536.3	480.7	419.7	382.1



TEST NUMBER: P1428286

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**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	586.6	529.5	467.1	429.4
115°	654.7	591.9	534.5	502.3
117.5°	720.4	655.8	595.2	569.7
120°	760.6	696.0	636.8	617.1
122.5°	793.6	730.4	675.5	667.3
125°	843.1	778.5	731.9	742.6
127.5°	883.3	824.1	794.6	818.7
130°	907.7	855.6	837.7	871.8
132.5°	929.2	888.6	880.7	927.7
135°	961.5	938.1	945.3	1009.9
137.5°	999.9	990.9	1014.9	1096.4
140°	1024.2	1029.6	1063.7	1155.2
142.5°	1057.3	1069.8	1113.9	1211.2
145°	1108.6	1135.5	1192.9	1289.7
147.5°	1166.7	1201.5	1272.5	1371.9
150°	1205.4	1250.3	1325.6	1420.7
152.5°	1249.9	1296.2	1371.5	1468.0
155°	1318.4	1370.4	1449.4	1531.9
157.5°	1388.4	1441.5	1516.8	1588.9
160°	1431.4	1488.8	1557.0	1623.4
162.5°	1480.2	1533.3	1592.9	1652.1
165°	1551.6	1594.7	1643.1	1693.3
167.5°	1611.5	1647.4	1685.4	1724.5
170°	1650.3	1679.0	1711.3	1741.8
172.5°	1683.3	1706.2	1729.9	1756.1
175°	1727.4	1740.0	1754.3	1770.5
177.5°	1761.5	1765.8	1770.1	1777.3
180°	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1428286  
 CATALOG NUMBER: SQ2W-PR1-K-125U-075D-L940-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	16.83	17.59	17.87	18.63	20.03	13.20	13.96	14.24	15.00	16.40
	3H	18.03	18.71	19.08	19.76	21.17	14.36	15.03	15.41	16.08	17.50
	4H	18.51	19.15	19.57	20.20	21.63	14.82	15.45	15.88	16.51	17.93
	6H	18.81	19.39	19.88	20.45	21.88	15.15	15.74	16.22	16.79	18.23
	8H	18.91	19.46	19.98	20.53	21.96	15.29	15.85	16.36	16.92	18.35
	12H	18.94	19.47	20.02	20.54	21.99	15.32	15.85	16.39	16.91	18.36
4H	2H	16.92	17.56	17.99	18.61	20.04	13.90	14.54	14.97	15.59	17.01
	3H	18.38	18.91	19.45	19.98	21.42	15.25	15.78	16.32	16.86	18.29
	4H	19.00	19.49	20.08	20.55	22.01	15.79	16.27	16.87	17.34	18.80
	6H	19.43	19.84	20.51	20.93	22.39	16.22	16.63	17.30	17.72	19.18
	8H	19.58	19.97	20.67	21.05	22.52	16.40	16.79	17.49	17.87	19.34
	12H	19.64	19.99	20.75	21.09	22.56	16.44	16.79	17.55	17.89	19.36
8H	4H	19.02	19.41	20.11	20.49	21.96	16.11	16.50	17.20	17.58	19.05
	6H	19.55	19.87	20.66	20.99	22.46	16.65	16.97	17.76	18.09	19.56
	8H	19.78	20.06	20.90	21.17	22.65	16.91	17.19	18.02	18.30	19.78
	12H	19.90	20.14	21.02	21.25	22.77	17.00	17.24	18.12	18.35	19.87
12H	4H	18.97	19.32	20.08	20.42	21.89	16.12	16.47	17.23	17.57	19.04
	6H	19.54	19.82	20.65	20.93	22.41	16.72	17.00	17.83	18.11	19.59
	8H	19.78	20.03	20.90	21.13	22.66	17.00	17.25	18.12	18.35	19.88