

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: P1428142

Luminaire Tested: SQ2W-PP3-K-150U-075D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428142
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PP3-K-150U-075D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE PRISM LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

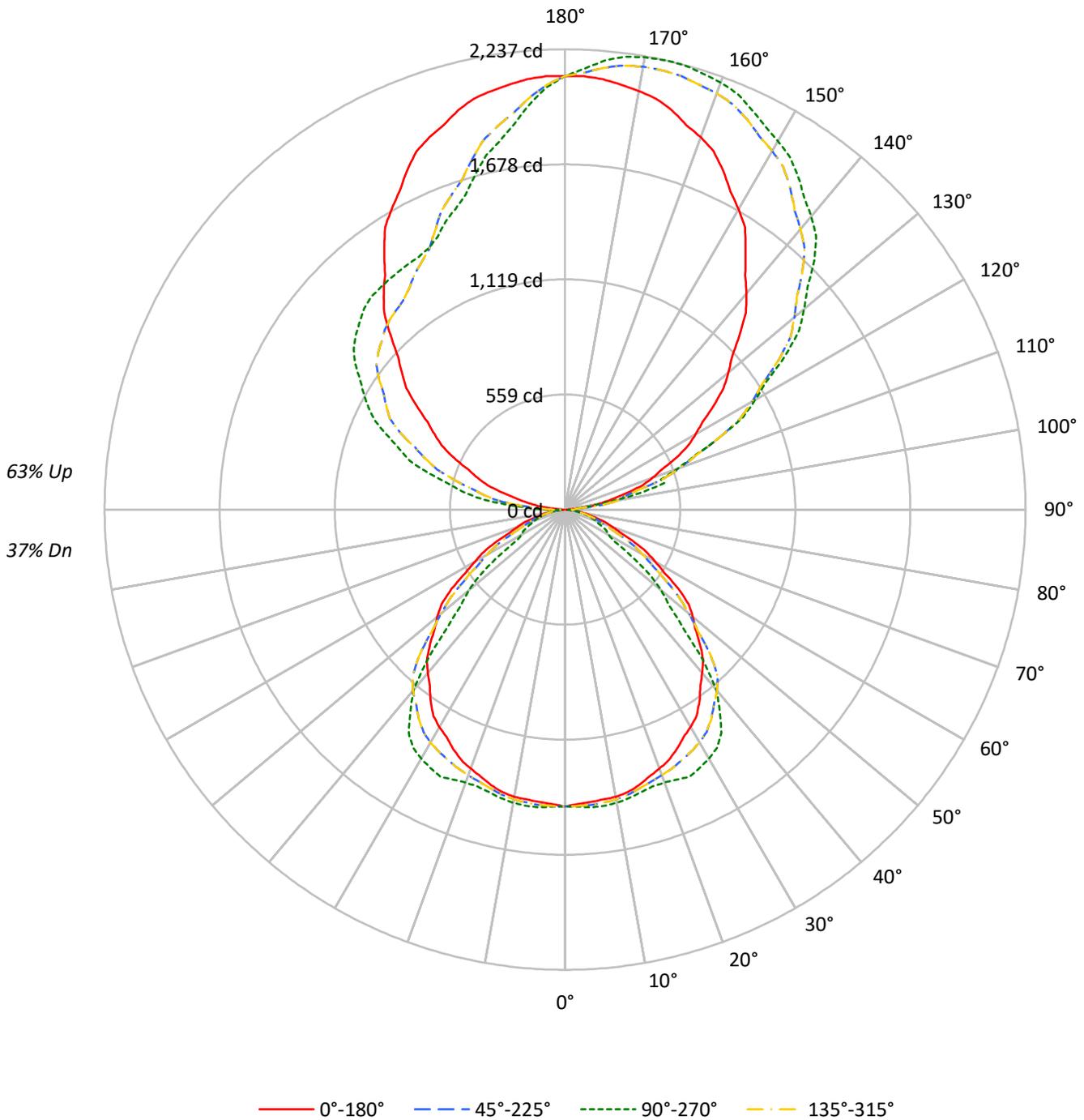
Lumens per Lamp: N/A
Luminaire Lumens: 9794.5 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 81.8
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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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	104	104	104	104	94	94	94	94	76	76	76	60	60	60	44	44	44	37				
1	95	91	88	84	86	83	80	77	67	65	63	53	52	50	40	39	38	32				
2	87	80	74	69	79	73	68	64	59	56	53	47	45	43	35	34	33	27				
3	80	71	64	58	72	64	58	54	53	48	45	42	39	36	32	30	28	24				
4	73	63	55	49	66	57	51	46	47	42	38	37	34	31	28	26	25	21				
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	26	23	21	18				
6	62	50	42	37	56	46	39	34	38	33	29	30	27	24	23	21	19	16				
7	57	45	37	32	52	41	35	30	34	29	25	28	24	21	21	19	17	14				
8	53	41	33	28	48	38	31	26	31	26	23	25	22	19	20	17	15	13				
9	49	37	30	25	45	34	28	23	29	24	20	23	20	17	18	16	14	11				
10	46	34	27	22	42	31	25	21	26	21	18	21	18	15	17	14	12	10				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	23306	23306	23306	23306
5°	23123	23544	23123	23544
10°	23241	23716	23241	23716
15°	23186	23772	23186	23772
20°	23020	24252	23020	24252
25°	22888	25525	22888	25525
30°	22758	26058	22758	26058
35°	22436	26106	22436	26106
40°	21837	24120	21837	24120
45°	21185	18363	21185	18363
50°	20353	15292	20353	15292
55°	18941	10995	18941	10995
60°	16310	7882	16310	7882
65°	13757	7752	13757	7752
70°	11452	7421	11452	7421
75°	9707	6949	9707	6949
80°	8229	6239	8229	6239
85°	6502	3390	6502	3390

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 23173 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.4	1.4
10°-20°	397.8	4.1
20°-30°	623.2	6.4
30°-40°	768.8	7.8
40°-50°	723.8	7.4
50°-60°	512.5	5.2
60°-70°	292.0	3.0
70°-80°	144.6	1.5
80°-90°	44.0	0.4
90°-100°	167.6	1.7
100°-110°	488.9	5.0
110°-120°	797.8	8.1
120°-130°	1012.4	10.3
130°-140°	1083.3	11.1
140°-150°	1011.5	10.3
150°-160°	832.4	8.5
160°-170°	558.2	5.7
170°-180°	198.2	2.0
0°-30°	1158.5	11.8
0°-40°	1927.3	19.7
0°-60°	3163.5	32.3
0°-90°	3644.2	37.2
90°-120°	1454.3	14.8
90°-150°	4561.5	46.6
90°-180°	6150.0	62.8
0°-180°	9794.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1444	1444	1444	1444	1444	
5°	1427	1453	1427	1453	1427	136
15°	1387	1422	1387	1422	1387	391
25°	1285	1433	1285	1433	1285	592
35°	1138	1324	1138	1324	1138	710
45°	928	804	928	804	928	714
55°	673	391	673	391	673	594
65°	360	203	360	203	360	362
75°	156	111	156	111	156	169
85°	35	18	35	18	35	41
90°	6	47	6	92	6	7
95°	66	49	66	287	66	80
105°	311	498	311	685	311	330
115°	596	826	596	1017	596	587
125°	881	1308	881	1247	881	788
135°	1198	1713	1198	1381	1198	926
145°	1530	1974	1530	1411	1530	957
155°	1817	2145	1817	1464	1817	835
165°	2008	2236	2008	1685	2008	565
175°	2100	2189	2100	1977	2100	199
180°	2106	2106	2106	2106	2106	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5
2.5°	1432.5	1441.7	1451.0	1448.8	1442.8	1440.4	1441.5	1442.6	1443.6	1444.7	1443.6
5°	1426.7	1438.3	1449.8	1448.1	1442.0	1439.6	1441.0	1443.2	1447.9	1452.7	1447.9
7.5°	1421.2	1433.0	1444.8	1443.3	1437.3	1435.5	1437.8	1441.0	1446.8	1452.7	1446.8
10°	1417.6	1427.7	1437.9	1436.4	1431.0	1429.9	1433.3	1437.1	1441.8	1446.6	1441.8
12.5°	1406.6	1416.2	1425.8	1424.6	1419.7	1419.5	1424.0	1428.4	1432.6	1436.8	1432.6
15°	1387.1	1395.9	1404.7	1404.9	1402.1	1403.8	1409.9	1415.4	1418.8	1422.2	1418.8
17.5°	1360.5	1371.2	1381.9	1384.4	1384.1	1388.3	1397.0	1404.4	1407.9	1411.5	1407.9
20°	1339.8	1352.6	1365.5	1369.8	1371.1	1377.2	1388.1	1397.9	1404.7	1411.5	1404.7
22.5°	1317.8	1332.8	1347.9	1353.5	1355.9	1365.3	1381.6	1396.7	1408.3	1420.0	1408.3
25°	1284.8	1299.7	1314.7	1325.5	1335.0	1351.6	1375.4	1397.6	1415.2	1432.8	1415.2
27.5°	1246.4	1261.1	1275.9	1294.6	1314.5	1337.9	1364.6	1388.1	1402.1	1416.0	1402.1
30°	1220.7	1235.0	1249.2	1270.6	1294.3	1320.1	1347.9	1372.0	1384.9	1397.7	1384.9
32.5°	1189.0	1203.8	1218.6	1241.3	1266.6	1294.3	1324.3	1349.7	1361.5	1373.3	1361.5
35°	1138.3	1152.6	1166.8	1193.3	1223.8	1254.6	1285.8	1310.9	1317.7	1324.5	1317.7
37.5°	1080.0	1096.2	1112.3	1142.0	1176.2	1202.0	1219.5	1232.7	1233.1	1233.5	1233.1
40°	1036.1	1057.1	1078.1	1107.8	1140.4	1158.3	1161.7	1162.1	1153.3	1144.4	1153.3
42.5°	993.4	1020.4	1047.4	1071.2	1094.0	1098.7	1085.2	1065.4	1026.2	987.0	1026.2
45°	927.8	959.6	991.5	1006.1	1014.9	985.1	916.6	858.4	831.3	804.2	831.3
47.5°	857.9	889.3	920.8	916.8	900.9	855.7	781.3	720.7	702.0	683.3	702.0
50°	810.3	840.1	869.9	848.4	809.8	758.9	695.8	644.1	626.5	608.8	626.5
52.5°	756.5	783.1	809.7	777.2	725.0	671.4	616.5	568.6	541.7	514.8	541.7
55°	672.9	691.2	709.5	673.9	620.4	561.4	496.9	442.2	416.4	390.6	416.4
57.5°	572.2	585.1	598.0	570.0	528.3	469.7	394.0	330.0	301.1	272.2	301.1
60°	505.1	515.2	525.4	500.0	462.7	406.7	332.1	272.6	258.4	244.1	258.4
62.5°	444.0	453.1	462.2	435.7	397.3	347.3	285.8	238.3	233.3	228.3	233.3
65°	360.1	368.9	377.7	349.9	309.9	270.9	233.0	204.3	203.6	202.9	203.6
67.5°	286.6	296.2	305.8	279.6	241.5	212.7	193.2	178.3	177.5	176.7	177.5
70°	242.6	252.8	263.0	238.6	202.6	179.2	168.4	159.9	158.5	157.2	158.5
72.5°	206.0	215.6	225.3	204.0	172.4	153.0	146.0	140.5	139.7	138.9	139.7
75°	155.6	163.1	170.6	155.1	132.1	118.9	115.5	112.7	112.1	111.4	112.1
77.5°	112.9	117.7	122.4	112.3	97.3	88.8	87.1	85.6	84.9	84.2	84.9
80°	88.5	90.5	92.6	85.5	75.3	69.9	69.2	68.5	67.8	67.1	67.8
82.5°	66.5	65.9	65.2	61.0	55.7	52.8	52.1	51.3	50.0	48.8	50.0
85°	35.1	33.7	32.4	31.0	29.7	27.6	24.9	22.4	20.3	18.3	20.3
87.5°	12.3	14.0	16.1	15.8	14.3	13.1	12.6	12.6	13.0	13.0	13.0
90°	6.4	14.9	25.5	34.0	40.4	42.6	42.6	44.7	46.8	46.8	46.8
92.5°	23.4	37.0	37.4	37.4	45.5	49.4	52.8	53.2	55.3	55.3	55.3
95°	66.0	72.3	108.5	106.4	72.3	57.4	48.9	48.9	48.9	48.9	48.9
97.5°	126.0	135.3	141.3	189.4	200.0	193.2	157.4	132.3	118.3	111.9	118.3
100°	178.7	183.0	195.7	197.9	251.1	302.1	276.6	244.7	234.0	227.7	234.0
102.5°	231.5	234.0	253.6	262.6	274.9	303.8	392.3	382.6	375.3	374.0	375.3
105°	310.6	312.8	348.9	366.0	374.5	374.5	372.3	414.9	483.0	497.9	483.0
107.5°	395.3	405.1	447.7	493.2	503.0	505.5	494.5	488.1	485.5	487.2	485.5
110°	453.2	468.1	519.2	576.6	591.5	595.8	591.5	585.1	580.9	580.9	580.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	509.4	531.1	588.9	654.9	680.0	692.8	683.4	678.7	674.5	677.9	674.5
115°	595.8	627.7	704.3	772.3	823.4	829.8	827.7	827.7	825.5	825.5	825.5
117.5°	675.8	726.8	812.8	891.9	951.1	968.1	976.6	974.1	971.5	975.8	971.5
120°	731.9	791.5	889.4	978.7	1036.2	1061.7	1070.2	1066.0	1070.2	1066.0	1070.2
122.5°	791.5	864.7	960.9	1053.6	1121.3	1150.2	1160.4	1161.3	1162.1	1159.6	1162.1
125°	880.9	970.2	1083.0	1178.7	1248.9	1283.0	1291.5	1293.6	1297.9	1308.5	1297.9
127.5°	971.1	1072.4	1196.2	1288.5	1360.4	1401.7	1414.9	1419.6	1428.5	1433.2	1428.5
130°	1034.1	1148.9	1274.5	1361.7	1431.9	1476.6	1500.0	1506.4	1517.0	1514.9	1517.0
132.5°	1100.4	1220.4	1347.7	1438.3	1503.4	1551.5	1571.5	1589.8	1593.6	1596.6	1593.6
135°	1197.9	1327.7	1455.3	1544.7	1606.4	1653.2	1678.7	1695.8	1706.4	1712.8	1706.4
137.5°	1300.4	1437.5	1560.0	1639.6	1701.7	1742.1	1771.1	1789.0	1800.0	1805.1	1800.0
140°	1370.2	1502.1	1621.3	1704.3	1759.6	1800.0	1825.5	1846.8	1859.6	1859.6	1859.6
142.5°	1436.6	1566.8	1682.6	1765.5	1814.1	1851.1	1878.3	1894.5	1909.0	1909.0	1909.0
145°	1529.8	1659.6	1766.0	1849.0	1889.4	1923.4	1953.2	1966.0	1974.5	1974.5	1974.5
147.5°	1627.2	1742.1	1839.2	1918.7	1952.8	1992.8	2016.2	2026.4	2037.0	2032.4	2037.0
150°	1685.1	1791.5	1885.1	1959.6	1993.6	2031.9	2055.3	2063.8	2074.5	2068.1	2074.5
152.5°	1741.3	1842.6	1927.7	1997.0	2026.0	2064.3	2091.1	2099.6	2106.8	2102.1	2106.8
155°	1817.0	1906.4	1985.1	2049.0	2074.5	2110.7	2136.2	2146.8	2155.3	2144.7	2155.3
157.5°	1884.7	1961.7	2030.2	2089.0	2116.2	2147.3	2171.1	2184.3	2192.8	2188.1	2192.8
160°	1925.6	1995.8	2057.5	2112.8	2138.3	2166.0	2191.5	2206.4	2214.9	2208.5	2214.9
162.5°	1959.6	2023.0	2081.3	2131.5	2153.6	2177.9	2208.5	2221.7	2230.2	2222.1	2230.2
165°	2008.5	2059.6	2110.7	2153.2	2172.4	2191.5	2223.4	2238.3	2244.7	2236.2	2244.7
167.5°	2045.6	2084.7	2126.0	2162.6	2176.6	2195.3	2227.3	2239.6	2247.7	2237.0	2247.7
170°	2066.0	2100.0	2136.2	2166.0	2176.6	2193.6	2225.6	2236.2	2242.6	2231.9	2242.6
172.5°	2083.0	2108.5	2137.9	2164.3	2169.8	2183.4	2213.6	2224.3	2229.0	2220.0	2229.0
175°	2100.0	2114.9	2136.2	2153.2	2151.1	2159.6	2185.1	2193.6	2202.1	2189.4	2202.1
177.5°	2108.1	2114.9	2121.7	2131.9	2125.1	2125.1	2143.9	2149.0	2150.7	2143.9	2150.7
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4

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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5
2.5°	1442.6	1441.5	1440.4	1442.8	1448.8	1451.0	1441.7	1432.5	1441.7	1451.0	1448.8
5°	1443.2	1441.0	1439.6	1442.0	1448.1	1449.8	1438.3	1426.7	1438.3	1449.8	1448.1
7.5°	1441.0	1437.8	1435.5	1437.3	1443.3	1444.8	1433.0	1421.2	1433.0	1444.8	1443.3
10°	1437.1	1433.3	1429.9	1431.0	1436.4	1437.9	1427.7	1417.6	1427.7	1437.9	1436.4
12.5°	1428.4	1424.0	1419.5	1419.7	1424.6	1425.8	1416.2	1406.6	1416.2	1425.8	1424.6
15°	1415.4	1409.9	1403.8	1402.1	1404.9	1404.7	1395.9	1387.1	1395.9	1404.7	1404.9
17.5°	1404.4	1397.0	1388.3	1384.1	1384.4	1381.9	1371.2	1360.5	1371.2	1381.9	1384.4
20°	1397.9	1388.1	1377.2	1371.1	1369.8	1365.5	1352.6	1339.8	1352.6	1365.5	1369.8
22.5°	1396.7	1381.6	1365.3	1355.9	1353.5	1347.9	1332.8	1317.8	1332.8	1347.9	1353.5
25°	1397.6	1375.4	1351.6	1335.0	1325.5	1314.7	1299.7	1284.8	1299.7	1314.7	1325.5
27.5°	1388.1	1364.6	1337.9	1314.5	1294.6	1275.9	1261.1	1246.4	1261.1	1275.9	1294.6
30°	1372.0	1347.9	1320.1	1294.3	1270.6	1249.2	1235.0	1220.7	1235.0	1249.2	1270.6
32.5°	1349.7	1324.3	1294.3	1266.6	1241.3	1218.6	1203.8	1189.0	1203.8	1218.6	1241.3
35°	1310.9	1285.8	1254.6	1223.8	1193.3	1166.8	1152.6	1138.3	1152.6	1166.8	1193.3
37.5°	1232.7	1219.5	1202.0	1176.2	1142.0	1112.3	1096.2	1080.0	1096.2	1112.3	1142.0
40°	1162.1	1161.7	1158.3	1140.4	1107.8	1078.1	1057.1	1036.1	1057.1	1078.1	1107.8
42.5°	1065.4	1085.2	1098.7	1094.0	1071.2	1047.4	1020.4	993.4	1020.4	1047.4	1071.2
45°	858.4	916.6	985.1	1014.9	1006.1	991.5	959.6	927.8	959.6	991.5	1006.1
47.5°	720.7	781.3	855.7	900.9	916.8	920.8	889.3	857.9	889.3	920.8	916.8
50°	644.1	695.8	758.9	809.8	848.4	869.9	840.1	810.3	840.1	869.9	848.4
52.5°	568.6	616.5	671.4	725.0	777.2	809.7	783.1	756.5	783.1	809.7	777.2
55°	442.2	496.9	561.4	620.4	673.9	709.5	691.2	672.9	691.2	709.5	673.9
57.5°	330.0	394.0	469.7	528.3	570.0	598.0	585.1	572.2	585.1	598.0	570.0
60°	272.6	332.1	406.7	462.7	500.0	525.4	515.2	505.1	515.2	525.4	500.0
62.5°	238.3	285.8	347.3	397.3	435.7	462.2	453.1	444.0	453.1	462.2	435.7
65°	204.3	233.0	270.9	309.9	349.9	377.7	368.9	360.1	368.9	377.7	349.9
67.5°	178.3	193.2	212.7	241.5	279.6	305.8	296.2	286.6	296.2	305.8	279.6
70°	159.9	168.4	179.2	202.6	238.6	263.0	252.8	242.6	252.8	263.0	238.6
72.5°	140.5	146.0	153.0	172.4	204.0	225.3	215.6	206.0	215.6	225.3	204.0
75°	112.7	115.5	118.9	132.1	155.1	170.6	163.1	155.6	163.1	170.6	155.1
77.5°	85.6	87.1	88.8	97.3	112.3	122.4	117.7	112.9	117.7	122.4	112.3
80°	68.5	69.2	69.9	75.3	85.5	92.6	90.5	88.5	90.5	92.6	85.5
82.5°	51.3	52.1	52.8	55.7	61.0	65.2	65.9	66.5	65.9	65.2	61.0
85°	22.4	24.9	27.6	29.7	31.0	32.4	33.7	35.1	33.7	32.4	31.0
87.5°	12.6	12.6	13.1	14.3	15.8	16.1	14.0	12.3	14.0	15.7	16.6
90°	44.7	42.6	42.6	40.4	34.0	25.5	14.9	6.4	14.9	23.4	38.3
92.5°	53.2	52.8	49.4	45.5	37.4	37.4	37.0	23.4	40.4	57.4	82.6
95°	48.9	48.9	57.4	72.3	106.4	108.5	72.3	66.0	93.6	131.9	166.0
97.5°	132.3	157.4	193.2	200.0	189.4	141.3	135.3	126.0	171.5	209.4	264.3
100°	244.7	276.6	302.1	251.1	197.9	195.7	183.0	178.7	227.7	263.8	317.0
102.5°	382.6	392.3	303.8	274.9	262.6	253.6	234.0	231.5	280.4	330.2	374.9
105°	414.9	372.3	374.5	374.5	366.0	348.9	312.8	310.6	366.0	423.4	478.7
107.5°	488.1	494.5	505.5	503.0	493.2	447.7	405.1	395.3	445.1	514.0	574.9
110°	585.1	591.5	595.8	591.5	576.6	519.2	468.1	453.2	497.9	570.2	636.2



TEST NUMBER: P1428142

CATALOG NUMBER: SQ2W-PP3-K-150U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	678.7	683.4	692.8	680.0	654.9	588.9	531.1	509.4	554.0	628.1	695.8
115°	827.7	827.7	829.8	823.4	772.3	704.3	627.7	595.8	634.0	702.1	776.6
117.5°	974.1	976.6	968.1	951.1	891.9	812.8	726.8	675.8	706.0	777.9	854.5
120°	1066.0	1070.2	1061.7	1036.2	978.7	889.4	791.5	731.9	755.3	825.5	902.1
122.5°	1161.3	1160.4	1150.2	1121.3	1053.6	960.9	864.7	791.5	801.3	866.4	941.3
125°	1293.6	1291.5	1283.0	1248.9	1178.7	1083.0	970.2	880.9	868.1	923.4	1000.0
127.5°	1419.6	1414.9	1401.7	1360.4	1288.5	1196.2	1072.4	971.1	942.6	977.5	1047.7
130°	1506.4	1500.0	1476.6	1431.9	1361.7	1274.5	1148.9	1034.1	993.6	1014.9	1076.6
132.5°	1589.8	1571.5	1551.5	1503.4	1438.3	1347.7	1220.4	1100.4	1044.7	1054.1	1102.1
135°	1695.8	1678.7	1653.2	1606.4	1544.7	1455.3	1327.7	1197.9	1121.3	1112.8	1140.4
137.5°	1789.0	1771.1	1742.1	1701.7	1639.6	1560.0	1437.5	1300.4	1203.8	1175.3	1186.0
140°	1846.8	1825.5	1800.0	1759.6	1704.3	1621.3	1502.1	1370.2	1261.7	1221.3	1214.9
142.5°	1894.5	1878.3	1851.1	1814.1	1765.5	1682.6	1566.8	1436.6	1321.3	1268.9	1254.1
145°	1966.0	1953.2	1923.4	1889.4	1849.0	1766.0	1659.6	1529.8	1414.9	1346.8	1314.9
147.5°	2026.4	2016.2	1992.8	1952.8	1918.7	1839.2	1742.1	1627.2	1509.4	1425.1	1383.8
150°	2063.8	2055.3	2031.9	1993.6	1959.6	1885.1	1791.5	1685.1	1572.4	1483.0	1429.8
152.5°	2099.6	2091.1	2064.3	2026.0	1997.0	1927.7	1842.6	1741.3	1626.8	1537.5	1482.6
155°	2146.8	2136.2	2110.7	2074.5	2049.0	1985.1	1906.4	1817.0	1719.2	1625.5	1563.8
157.5°	2184.3	2171.1	2147.3	2116.2	2089.0	2030.2	1961.7	1884.7	1799.2	1709.8	1646.8
160°	2206.4	2191.5	2166.0	2138.3	2112.8	2057.5	1995.8	1925.6	1846.8	1766.0	1697.9
162.5°	2221.7	2208.5	2177.9	2153.6	2131.5	2081.3	2023.0	1959.6	1889.4	1818.7	1755.8
165°	2238.3	2223.4	2191.5	2172.4	2153.2	2110.7	2059.6	2008.5	1949.0	1891.5	1840.4
167.5°	2239.6	2227.3	2195.3	2176.6	2162.6	2126.0	2084.7	2045.6	1999.2	1954.1	1911.5
170°	2236.2	2225.6	2193.6	2176.6	2166.0	2136.2	2100.0	2066.0	2029.8	1991.5	1957.5
172.5°	2224.3	2213.6	2183.4	2169.8	2164.3	2137.9	2108.5	2083.0	2051.9	2023.8	1996.6
175°	2193.6	2185.1	2159.6	2151.1	2153.2	2136.2	2114.9	2100.0	2080.9	2063.8	2049.0
177.5°	2149.0	2143.9	2125.1	2125.1	2131.9	2121.7	2114.9	2108.1	2099.6	2094.5	2089.4
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



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CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5
2.5°	1442.8	1440.4	1441.5	1442.6	1443.6	1444.7	1443.6	1442.6	1441.5	1440.4	1442.8
5°	1442.0	1439.6	1441.0	1443.2	1447.9	1452.7	1447.9	1443.2	1441.0	1439.6	1442.0
7.5°	1437.3	1435.5	1437.8	1441.0	1446.8	1452.7	1446.8	1441.0	1437.8	1435.5	1437.3
10°	1431.0	1429.9	1433.3	1437.1	1441.8	1446.6	1441.8	1437.1	1433.3	1429.9	1431.0
12.5°	1419.7	1419.5	1424.0	1428.4	1432.6	1436.8	1432.6	1428.4	1424.0	1419.5	1419.7
15°	1402.1	1403.8	1409.9	1415.4	1418.8	1422.2	1418.8	1415.4	1409.9	1403.8	1402.1
17.5°	1384.1	1388.3	1397.0	1404.4	1407.9	1411.5	1407.9	1404.4	1397.0	1388.3	1384.1
20°	1371.1	1377.2	1388.1	1397.9	1404.7	1411.5	1404.7	1397.9	1388.1	1377.2	1371.1
22.5°	1355.9	1365.3	1381.6	1396.7	1408.3	1420.0	1408.3	1396.7	1381.6	1365.3	1355.9
25°	1335.0	1351.6	1375.4	1397.6	1415.2	1432.8	1415.2	1397.6	1375.4	1351.6	1335.0
27.5°	1314.5	1337.9	1364.6	1388.1	1402.1	1416.0	1402.1	1388.1	1364.6	1337.9	1314.5
30°	1294.3	1320.1	1347.9	1372.0	1384.9	1397.7	1384.9	1372.0	1347.9	1320.1	1294.3
32.5°	1266.6	1294.3	1324.3	1349.7	1361.5	1373.3	1361.5	1349.7	1324.3	1294.3	1266.6
35°	1223.8	1254.6	1285.8	1310.9	1317.7	1324.5	1317.7	1310.9	1285.8	1254.6	1223.8
37.5°	1176.2	1202.0	1219.5	1232.7	1233.1	1233.5	1233.1	1232.7	1219.5	1202.0	1176.2
40°	1140.4	1158.3	1161.7	1162.1	1153.3	1144.4	1153.3	1162.1	1161.7	1158.3	1140.4
42.5°	1094.0	1098.7	1085.2	1065.4	1026.2	987.0	1026.2	1065.4	1085.2	1098.7	1094.0
45°	1014.9	985.1	916.6	858.4	831.3	804.2	831.3	858.4	916.6	985.1	1014.9
47.5°	900.9	855.7	781.3	720.7	702.0	683.3	702.0	720.7	781.3	855.7	900.9
50°	809.8	758.9	695.8	644.1	626.5	608.8	626.5	644.1	695.8	758.9	809.8
52.5°	725.0	671.4	616.5	568.6	541.7	514.8	541.7	568.6	616.5	671.4	725.0
55°	620.4	561.4	496.9	442.2	416.4	390.6	416.4	442.2	496.9	561.4	620.4
57.5°	528.3	469.7	394.0	330.0	301.1	272.2	301.1	330.0	394.0	469.7	528.3
60°	462.7	406.7	332.1	272.6	258.4	244.1	258.4	272.6	332.1	406.7	462.7
62.5°	397.3	347.3	285.8	238.3	233.3	228.3	233.3	238.3	285.8	347.3	397.3
65°	309.9	270.9	233.0	204.3	203.6	202.9	203.6	204.3	233.0	270.9	309.9
67.5°	241.5	212.7	193.2	178.3	177.5	176.7	177.5	178.3	193.2	212.7	241.5
70°	202.6	179.2	168.4	159.9	158.5	157.2	158.5	159.9	168.4	179.2	202.6
72.5°	172.4	153.0	146.0	140.5	139.7	138.9	139.7	140.5	146.0	153.0	172.4
75°	132.1	118.9	115.5	112.7	112.1	111.4	112.1	112.7	115.5	118.9	132.1
77.5°	97.3	88.8	87.1	85.6	84.9	84.2	84.9	85.6	87.1	88.8	97.3
80°	75.3	69.9	69.2	68.5	67.8	67.1	67.8	68.5	69.2	69.9	75.3
82.5°	55.7	52.8	52.1	51.3	50.0	48.8	50.0	51.3	52.1	52.8	55.7
85°	29.7	27.6	24.9	22.4	20.3	18.3	20.3	22.4	24.9	27.6	29.7
87.5°	16.0	17.4	19.8	21.1	22.8	22.0	22.8	21.1	19.8	17.4	16.0
90°	48.9	63.8	78.7	87.2	95.7	91.5	95.7	87.2	78.7	63.8	48.9
92.5°	98.3	123.4	141.7	157.0	163.8	163.0	163.8	157.0	141.7	123.4	98.3
95°	197.9	227.7	257.4	278.7	291.5	287.2	291.5	278.7	257.4	227.7	197.9
97.5°	305.1	345.1	378.3	398.3	411.1	419.6	411.1	398.3	378.3	345.1	305.1
100°	376.6	414.9	453.2	476.6	497.9	506.4	497.9	476.6	453.2	414.9	376.6
102.5°	434.5	484.7	526.4	551.5	569.4	577.9	569.4	551.5	526.4	484.7	434.5
105°	529.8	583.0	627.7	659.6	678.7	685.1	678.7	659.6	627.7	583.0	529.8
107.5°	625.1	680.0	721.3	756.6	780.0	793.6	780.0	756.6	721.3	680.0	625.1
110°	700.0	744.7	789.4	821.3	844.7	853.2	844.7	821.3	789.4	744.7	700.0



TEST NUMBER: P1428142

CATALOG NUMBER: SQ2W-PP3-K-150U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	763.0	812.8	857.5	889.4	916.2	928.1	916.2	889.4	857.5	812.8	763.0
115°	851.1	917.0	957.5	987.2	1006.4	1017.0	1006.4	987.2	957.5	917.0	851.1
117.5°	924.3	993.2	1037.5	1060.4	1069.4	1077.0	1069.4	1060.4	1037.5	993.2	924.3
120°	970.2	1034.1	1085.1	1114.9	1125.5	1129.8	1125.5	1114.9	1085.1	1034.1	970.2
122.5°	1012.8	1073.2	1122.6	1159.2	1176.6	1180.9	1176.6	1159.2	1122.6	1073.2	1012.8
125°	1072.4	1129.8	1180.9	1217.0	1236.2	1246.8	1236.2	1217.0	1180.9	1129.8	1072.4
127.5°	1124.3	1186.4	1233.2	1266.0	1284.7	1293.2	1284.7	1266.0	1233.2	1186.4	1124.3
130°	1153.2	1217.0	1263.8	1300.0	1317.0	1325.5	1317.0	1300.0	1263.8	1217.0	1153.2
132.5°	1175.3	1242.6	1291.1	1323.8	1342.6	1351.1	1342.6	1323.8	1291.1	1242.6	1175.3
135°	1202.1	1272.4	1323.4	1355.3	1372.4	1380.9	1372.4	1355.3	1323.4	1272.4	1202.1
137.5°	1225.5	1289.4	1342.6	1376.2	1391.5	1397.0	1391.5	1376.2	1342.6	1289.4	1225.5
140°	1242.6	1297.9	1351.1	1383.0	1400.0	1402.1	1400.0	1383.0	1351.1	1297.9	1242.6
142.5°	1264.7	1308.1	1354.5	1386.4	1403.4	1407.2	1403.4	1386.4	1354.5	1308.1	1264.7
145°	1304.3	1329.8	1361.7	1391.5	1406.4	1410.7	1406.4	1391.5	1361.7	1329.8	1304.3
147.5°	1354.1	1362.1	1378.7	1398.3	1412.8	1415.8	1412.8	1398.3	1378.7	1362.1	1354.1
150°	1391.5	1389.4	1395.8	1408.5	1421.3	1419.2	1421.3	1408.5	1395.8	1389.4	1391.5
152.5°	1434.1	1421.7	1421.3	1427.2	1433.2	1432.8	1433.2	1427.2	1421.3	1421.7	1434.1
155°	1506.4	1483.0	1470.2	1466.0	1466.0	1463.8	1466.0	1466.0	1470.2	1483.0	1506.4
157.5°	1586.0	1553.2	1534.1	1523.8	1520.9	1516.2	1520.9	1523.8	1534.1	1553.2	1586.0
160°	1640.4	1604.3	1585.1	1568.1	1561.7	1555.3	1561.7	1568.1	1585.1	1604.3	1640.4
162.5°	1691.5	1657.0	1636.2	1620.9	1614.5	1604.7	1614.5	1620.9	1636.2	1657.0	1691.5
165°	1774.5	1738.3	1714.9	1702.1	1693.6	1685.1	1693.6	1702.1	1714.9	1738.3	1774.5
167.5°	1857.5	1817.9	1802.6	1788.1	1780.0	1764.7	1780.0	1788.1	1802.6	1817.9	1857.5
170°	1908.5	1872.4	1863.8	1851.1	1836.2	1819.2	1836.2	1851.1	1863.8	1872.4	1908.5
172.5°	1952.8	1928.5	1920.0	1907.3	1902.6	1889.0	1902.6	1907.3	1920.0	1928.5	1952.8
175°	2017.0	1997.9	1997.9	1995.8	1989.4	1976.6	1989.4	1995.8	1997.9	1997.9	2017.0
177.5°	2070.7	2060.4	2067.3	2067.3	2065.6	2053.6	2065.6	2067.3	2067.3	2060.4	2070.7
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



TEST NUMBER: P1428142

CATALOG NUMBER: SQ2W-PP3-K-150U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1443.5	1443.5	1443.5	1443.5
2.5°	1448.8	1451.0	1441.7	1432.5
5°	1448.1	1449.8	1438.3	1426.7
7.5°	1443.3	1444.8	1433.0	1421.2
10°	1436.4	1437.9	1427.7	1417.6
12.5°	1424.6	1425.8	1416.2	1406.6
15°	1404.9	1404.7	1395.9	1387.1
17.5°	1384.4	1381.9	1371.2	1360.5
20°	1369.8	1365.5	1352.6	1339.8
22.5°	1353.5	1347.9	1332.8	1317.8
25°	1325.5	1314.7	1299.7	1284.8
27.5°	1294.6	1275.9	1261.1	1246.4
30°	1270.6	1249.2	1235.0	1220.7
32.5°	1241.3	1218.6	1203.8	1189.0
35°	1193.3	1166.8	1152.6	1138.3
37.5°	1142.0	1112.3	1096.2	1080.0
40°	1107.8	1078.1	1057.1	1036.1
42.5°	1071.2	1047.4	1020.4	993.4
45°	1006.1	991.5	959.6	927.8
47.5°	916.8	920.8	889.3	857.9
50°	848.4	869.9	840.1	810.3
52.5°	777.2	809.7	783.1	756.5
55°	673.9	709.5	691.2	672.9
57.5°	570.0	598.0	585.1	572.2
60°	500.0	525.4	515.2	505.1
62.5°	435.7	462.2	453.1	444.0
65°	349.9	377.7	368.9	360.1
67.5°	279.6	305.8	296.2	286.6
70°	238.6	263.0	252.8	242.6
72.5°	204.0	225.3	215.6	206.0
75°	155.1	170.6	163.1	155.6
77.5°	112.3	122.4	117.7	112.9
80°	85.5	92.6	90.5	88.5
82.5°	61.0	65.2	65.9	66.5
85°	31.0	32.4	33.7	35.1
87.5°	16.6	15.7	14.0	12.3
90°	38.3	23.4	14.9	6.4
92.5°	82.6	57.4	40.4	23.4
95°	166.0	131.9	93.6	66.0
97.5°	264.3	209.4	171.5	126.0
100°	317.0	263.8	227.7	178.7
102.5°	374.9	330.2	280.4	231.5
105°	478.7	423.4	366.0	310.6
107.5°	574.9	514.0	445.1	395.3
110°	636.2	570.2	497.9	453.2



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CATALOG NUMBER: SQ2W-PP3-K-150U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	695.8	628.1	554.0	509.4
115°	776.6	702.1	634.0	595.8
117.5°	854.5	777.9	706.0	675.8
120°	902.1	825.5	755.3	731.9
122.5°	941.3	866.4	801.3	791.5
125°	1000.0	923.4	868.1	880.9
127.5°	1047.7	977.5	942.6	971.1
130°	1076.6	1014.9	993.6	1034.1
132.5°	1102.1	1054.1	1044.7	1100.4
135°	1140.4	1112.8	1121.3	1197.9
137.5°	1186.0	1175.3	1203.8	1300.4
140°	1214.9	1221.3	1261.7	1370.2
142.5°	1254.1	1268.9	1321.3	1436.6
145°	1314.9	1346.8	1414.9	1529.8
147.5°	1383.8	1425.1	1509.4	1627.2
150°	1429.8	1483.0	1572.4	1685.1
152.5°	1482.6	1537.5	1626.8	1741.3
155°	1563.8	1625.5	1719.2	1817.0
157.5°	1646.8	1709.8	1799.2	1884.7
160°	1697.9	1766.0	1846.8	1925.6
162.5°	1755.8	1818.7	1889.4	1959.6
165°	1840.4	1891.5	1949.0	2008.5
167.5°	1911.5	1954.1	1999.2	2045.6
170°	1957.5	1991.5	2029.8	2066.0
172.5°	1996.6	2023.8	2051.9	2083.0
175°	2049.0	2063.8	2080.9	2100.0
177.5°	2089.4	2094.5	2099.6	2108.1
180°	2106.4	2106.4	2106.4	2106.4



TEST NUMBER: P1428142
 CATALOG NUMBER: SQ2W-PP3-K-150U-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	17.06	17.80	18.13	18.86	20.31	12.84	13.57	13.90	14.64	16.08
	3H	18.12	18.77	19.19	19.85	21.31	14.14	14.79	15.21	15.87	17.33
	4H	18.48	19.10	19.56	20.18	21.65	14.69	15.31	15.77	16.38	17.85
	6H	18.67	19.24	19.76	20.32	21.80	15.04	15.62	16.14	16.69	18.18
	8H	18.72	19.27	19.82	20.36	21.84	15.17	15.71	16.27	16.81	18.28
	12H	18.74	19.26	19.84	20.34	21.84	15.20	15.72	16.30	16.80	18.30
4H	2H	17.17	17.79	18.26	18.86	20.33	13.73	14.35	14.82	15.43	16.90
	3H	18.45	18.97	19.55	20.07	21.55	15.14	15.66	16.24	16.76	18.24
	4H	18.95	19.43	20.06	20.52	22.02	15.76	16.23	16.86	17.32	18.83
	6H	19.26	19.67	20.37	20.78	22.28	16.20	16.60	17.31	17.72	19.21
	8H	19.37	19.75	20.48	20.85	22.37	16.36	16.74	17.47	17.85	19.36
	12H	19.41	19.75	20.54	20.87	22.39	16.41	16.75	17.54	17.87	19.39
8H	4H	18.96	19.34	20.07	20.45	21.96	16.06	16.44	17.17	17.54	19.05
	6H	19.37	19.68	20.50	20.83	22.34	16.61	16.92	17.74	18.07	19.58
	8H	19.55	19.83	20.69	20.95	22.48	16.86	17.13	18.00	18.26	19.79
	12H	19.64	19.88	20.79	21.01	22.58	16.95	17.20	18.10	18.32	19.89
12H	4H	18.92	19.26	20.05	20.38	21.90	16.06	16.41	17.19	17.53	19.04
	6H	19.36	19.64	20.50	20.77	22.30	16.68	16.95	17.82	18.08	19.61
	8H	19.55	19.80	20.70	20.92	22.49	16.95	17.19	18.09	18.31	19.88