

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: P1428320

Luminaire Tested: SQ2W-PR1-K-150U-125D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428320
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-150U-125D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

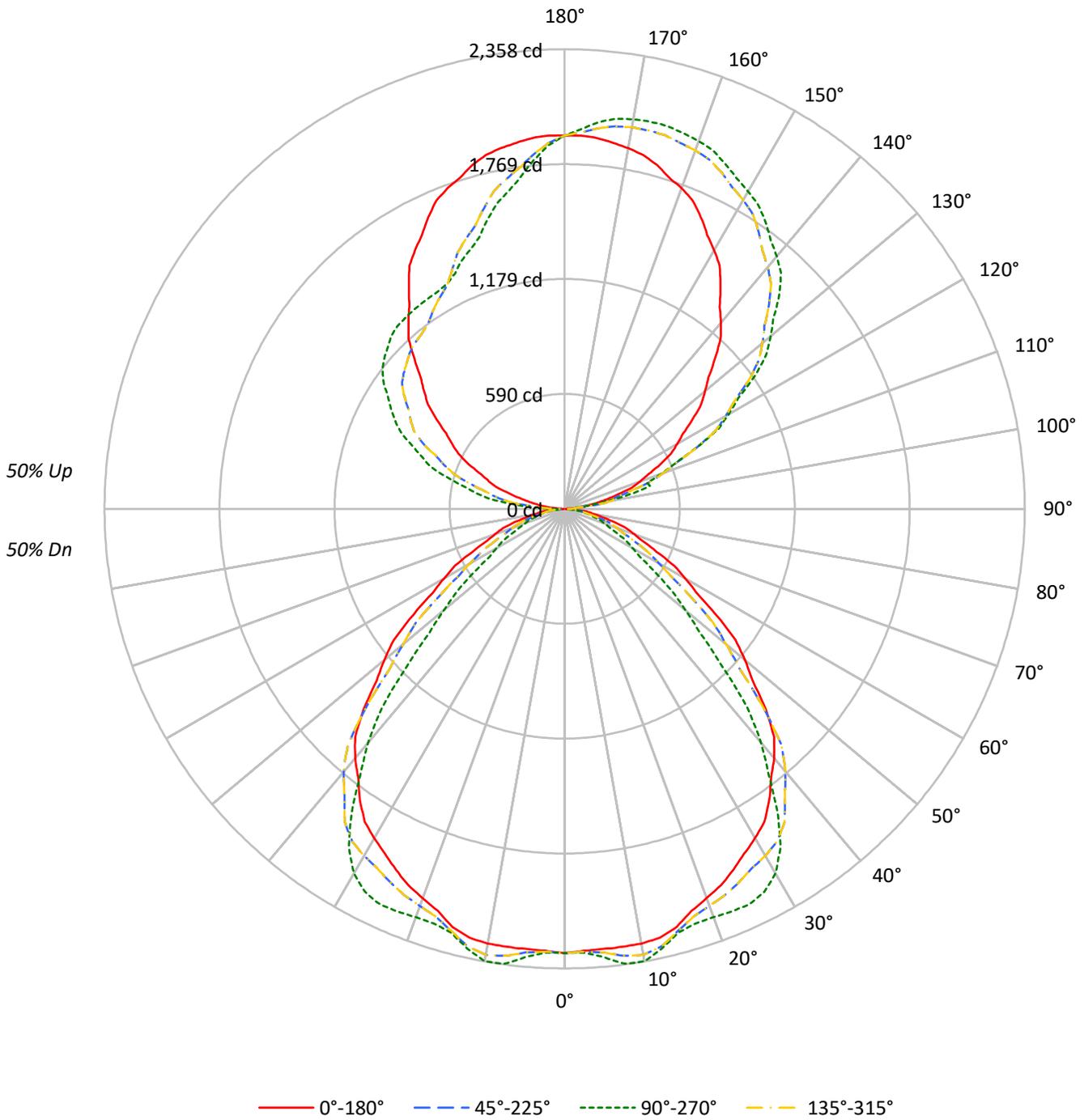
Lumens per Lamp: N/A
Luminaire Lumens: 11082.2 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 104.3
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	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	98	94	91	87	91	87	84	81	74	72	69	61	60	59	50	49	48	43
2	90	83	77	72	83	77	72	68	65	62	58	55	52	50	45	43	42	37
3	82	73	66	61	76	68	62	57	58	54	50	49	46	43	40	38	36	32
4	76	65	58	52	70	61	54	49	52	47	43	44	40	37	36	34	31	28
5	70	58	51	45	64	54	47	42	47	41	37	40	36	32	33	30	28	25
6	64	53	45	39	59	49	42	37	42	37	33	36	32	29	30	27	25	22
7	59	48	40	34	55	44	37	33	38	33	29	33	29	25	27	24	22	19
8	55	43	36	30	51	40	34	29	35	30	26	30	26	23	25	22	20	17
9	51	40	32	27	48	37	30	26	32	27	23	28	24	21	23	20	18	16
10	48	36	29	24	44	34	28	23	30	24	21	26	21	19	22	19	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	36791	36791	36791	36791
5°	36742	37421	36742	37421
10°	37129	38652	37129	38652
15°	37118	37622	37118	37622
20°	36518	38314	36518	38314
25°	36415	39891	36415	39891
30°	36375	40273	36375	40273
35°	36030	37496	36030	37496
40°	35200	32997	35200	32997
45°	33307	26094	33307	26094
50°	30280	20245	30280	20245
55°	26612	15758	26612	15758
60°	23027	12975	23027	12975
65°	19877	11358	19877	11358
70°	17872	10088	17872	10088
75°	16375	9276	16375	9276
80°	14254	9075	14254	9075
85°	10318	4298	10318	4298

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 35759 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.1	2.0
10°-20°	637.0	5.7
20°-30°	984.7	8.9
30°-40°	1184.2	10.7
40°-50°	1063.4	9.6
50°-60°	712.6	6.4
60°-70°	414.5	3.7
70°-80°	212.9	1.9
80°-90°	60.4	0.5
90°-100°	152.4	1.4
100°-110°	444.5	4.0
110°-120°	725.4	6.5
120°-130°	920.5	8.3
130°-140°	985.0	8.9
140°-150°	919.8	8.3
150°-160°	756.8	6.8
160°-170°	507.6	4.6
170°-180°	180.2	1.6
0°-30°	1841.8	16.6
0°-40°	3026.1	27.3
0°-60°	4802.1	43.3
0°-90°	5489.9	49.5
90°-120°	1322.4	11.9
90°-150°	4147.7	37.4
90°-180°	5592.0	50.5
0°-180°	11082.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2279	2279	2279	2279	2279	
5°	2267	2309	2267	2309	2267	216
15°	2221	2251	2221	2251	2221	624
25°	2044	2239	2044	2239	2044	943
35°	1828	1902	1828	1902	1828	1140
45°	1459	1143	1459	1143	1459	1116
55°	945	560	945	560	945	850
65°	520	297	520	297	520	526
75°	262	149	262	149	262	279
85°	56	23	56	23	56	69
90°	6	43	6	83	6	7
95°	60	44	60	261	60	72
105°	282	453	282	623	282	300
115°	542	751	542	925	542	534
125°	801	1190	801	1134	801	717
135°	1089	1557	1089	1256	1089	842
145°	1391	1795	1391	1283	1391	870
155°	1652	1950	1652	1331	1652	759
165°	1826	2033	1826	1532	1826	514
175°	1910	1991	1910	1797	1910	181
180°	1915	1915	1915	1915	1915	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7
2.5°	2269.4	2281.8	2294.1	2288.6	2277.0	2271.6	2272.5	2273.7	2276.2	2278.7	2276.2
5°	2267.0	2284.6	2302.1	2298.0	2286.7	2282.0	2284.1	2288.2	2298.5	2308.9	2298.5
7.5°	2266.6	2291.6	2316.6	2318.5	2312.7	2312.8	2318.8	2326.7	2340.3	2353.9	2340.3
10°	2264.7	2294.7	2324.6	2329.0	2324.9	2323.3	2324.3	2328.7	2343.2	2357.6	2343.2
12.5°	2253.6	2288.5	2323.4	2319.7	2303.2	2294.2	2292.8	2293.6	2301.5	2309.3	2301.5
15°	2220.6	2261.9	2303.2	2286.4	2250.3	2233.8	2236.9	2240.5	2245.6	2250.8	2245.6
17.5°	2162.5	2205.7	2248.8	2233.8	2199.3	2187.6	2198.8	2209.7	2219.8	2229.9	2219.8
20°	2125.4	2167.7	2210.0	2199.7	2171.8	2165.1	2179.6	2194.8	2212.3	2229.9	2212.3
22.5°	2091.9	2134.2	2176.6	2170.0	2147.0	2145.7	2165.9	2187.1	2211.3	2235.5	2211.3
25°	2044.1	2081.2	2118.4	2119.2	2107.8	2119.2	2153.2	2185.5	2212.3	2239.2	2212.3
27.5°	1993.9	2015.8	2037.7	2052.1	2064.1	2093.1	2139.1	2178.4	2197.2	2215.9	2197.2
30°	1951.1	1965.6	1980.1	2006.9	2037.9	2073.5	2113.7	2145.7	2153.0	2160.2	2153.0
32.5°	1904.7	1913.4	1922.0	1959.8	2007.3	2041.7	2063.0	2076.6	2067.3	2058.0	2067.3
35°	1828.0	1835.3	1842.5	1890.8	1952.7	1975.4	1958.9	1941.6	1922.0	1902.4	1922.0
37.5°	1737.0	1751.9	1766.7	1806.1	1853.5	1853.1	1804.8	1763.0	1740.4	1717.9	1740.4
40°	1670.1	1694.9	1719.6	1746.0	1772.8	1750.1	1677.8	1617.2	1591.4	1565.6	1591.4
42.5°	1588.3	1628.0	1667.6	1673.5	1668.1	1619.4	1527.3	1450.4	1418.8	1387.2	1418.8
45°	1458.7	1512.4	1566.1	1535.4	1476.5	1397.0	1296.9	1213.0	1177.9	1142.8	1177.9
47.5°	1305.9	1361.0	1416.1	1358.2	1262.6	1170.1	1080.7	1005.5	972.6	939.8	972.6
50°	1205.5	1249.9	1294.3	1228.8	1126.6	1033.6	950.0	878.3	842.1	806.0	842.1
52.5°	1103.3	1135.3	1167.3	1102.4	1005.2	914.7	831.1	760.2	727.3	694.5	727.3
55°	945.4	961.9	978.4	918.3	832.6	750.0	670.5	605.2	582.5	559.8	582.5
57.5°	800.4	811.0	821.5	764.5	685.0	611.5	544.0	489.2	472.5	455.7	472.5
60°	713.1	720.3	727.6	669.7	590.2	524.2	471.5	428.7	415.3	401.8	415.3
62.5°	633.2	638.8	644.3	588.6	512.4	453.4	411.4	377.5	367.4	357.2	367.4
65°	520.3	525.5	530.6	483.1	418.1	369.6	337.6	311.8	304.5	297.3	304.5
67.5°	430.6	433.3	436.0	396.9	343.8	304.7	279.5	258.9	252.1	245.3	252.1
70°	378.6	379.6	380.7	346.1	299.6	265.1	242.3	224.0	218.9	213.7	218.9
72.5°	332.2	330.7	329.3	298.4	257.7	228.1	209.5	194.7	191.2	187.7	191.2
75°	262.5	259.4	256.3	230.7	197.7	175.0	162.6	152.8	150.7	148.7	150.7
77.5°	196.0	192.7	189.4	168.2	140.9	125.2	121.1	118.0	118.0	118.0	118.0
80°	153.3	149.2	145.0	128.5	107.9	97.6	97.6	97.6	97.6	97.6	97.6
82.5°	114.3	108.5	102.7	92.6	81.0	75.3	75.3	75.1	74.2	73.4	74.2
85°	55.7	50.6	45.4	44.1	44.1	41.0	34.8	29.4	26.3	23.2	26.3
87.5°	16.0	17.6	19.5	18.0	15.0	13.3	13.3	13.7	14.1	14.1	14.1
90°	5.8	13.5	23.2	31.0	36.8	38.7	38.7	40.6	42.6	42.6	42.6
92.5°	21.3	33.7	34.0	34.0	41.4	44.9	48.0	48.4	50.3	50.3	50.3
95°	60.0	65.8	98.7	96.7	65.8	52.2	44.5	44.5	44.5	44.5	44.5
97.5°	114.5	123.0	128.5	172.2	181.9	175.7	143.2	120.3	107.6	101.8	107.6
100°	162.5	166.4	178.0	179.9	228.3	274.7	251.5	222.5	212.8	207.0	212.8
102.5°	210.5	212.8	230.6	238.7	250.0	276.3	356.7	347.8	341.3	340.1	341.3
105°	282.5	284.4	317.3	332.8	340.5	340.5	338.6	377.3	439.2	452.7	439.2
107.5°	359.5	368.4	407.0	448.4	457.3	459.7	449.6	443.8	441.5	443.0	441.5
110°	412.1	425.6	472.1	524.3	537.8	541.7	537.8	532.0	528.2	528.2	528.2

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	463.2	482.9	535.5	595.5	618.3	629.9	621.4	617.2	613.3	616.4	613.3
115°	541.7	570.7	640.4	702.3	748.7	754.5	752.6	752.6	750.6	750.6	750.6
117.5°	614.4	660.9	739.0	811.0	864.8	880.3	888.0	885.7	883.4	887.2	883.4
120°	665.5	719.7	808.7	889.9	942.2	965.4	973.1	969.3	973.1	969.3	973.1
122.5°	719.7	786.2	873.7	958.0	1019.6	1045.9	1055.2	1055.9	1056.7	1054.4	1056.7
125°	800.9	882.2	984.7	1071.8	1135.6	1166.6	1174.3	1176.3	1180.1	1189.8	1180.1
127.5°	883.0	975.1	1087.7	1171.6	1237.0	1274.5	1286.5	1290.8	1298.9	1303.2	1298.9
130°	940.2	1044.7	1158.8	1238.2	1302.0	1342.6	1363.9	1369.7	1379.4	1377.5	1379.4
132.5°	1000.6	1109.7	1225.4	1307.8	1367.0	1410.7	1428.9	1445.6	1449.0	1451.8	1449.0
135°	1089.2	1207.2	1323.3	1404.5	1460.7	1503.2	1526.4	1541.9	1551.6	1557.4	1551.6
137.5°	1182.5	1307.0	1418.5	1490.8	1547.3	1584.1	1610.4	1626.6	1636.7	1641.3	1636.7
140°	1245.9	1365.9	1474.2	1549.6	1599.9	1636.7	1659.9	1679.3	1690.9	1690.9	1690.9
142.5°	1306.3	1424.7	1529.9	1605.4	1649.5	1683.1	1707.9	1722.6	1735.8	1735.8	1735.8
145°	1391.0	1509.0	1605.8	1681.2	1718.0	1748.9	1776.0	1787.6	1795.3	1795.3	1795.3
147.5°	1479.6	1584.1	1672.3	1744.7	1775.6	1812.0	1833.3	1842.6	1852.2	1848.0	1852.2
150°	1532.2	1629.0	1714.1	1781.8	1812.8	1847.6	1868.9	1876.6	1886.3	1880.5	1886.3
152.5°	1583.3	1675.4	1752.8	1815.9	1842.2	1877.0	1901.4	1909.1	1915.7	1911.4	1915.7
155°	1652.2	1733.4	1805.0	1863.1	1886.3	1919.2	1942.4	1952.1	1959.8	1950.1	1959.8
157.5°	1713.7	1783.7	1846.0	1899.4	1924.2	1952.4	1974.1	1986.1	1993.8	1989.6	1993.8
160°	1750.8	1814.7	1870.8	1921.1	1944.3	1969.5	1992.7	2006.2	2014.0	2008.2	2014.0
162.5°	1781.8	1839.5	1892.5	1938.1	1958.2	1980.3	2008.2	2020.2	2027.9	2020.5	2027.9
165°	1826.3	1872.7	1919.2	1957.9	1975.3	1992.7	2021.7	2035.2	2041.0	2033.3	2041.0
167.5°	1860.0	1895.6	1933.1	1966.4	1979.1	1996.2	2025.2	2036.4	2043.8	2034.1	2043.8
170°	1878.5	1909.5	1942.4	1969.5	1979.1	1994.6	2023.6	2033.3	2039.1	2029.4	2039.1
172.5°	1894.0	1917.2	1943.9	1967.9	1972.9	1985.3	2012.8	2022.5	2026.7	2018.6	2026.7
175°	1909.5	1923.0	1942.4	1957.9	1955.9	1963.7	1986.9	1994.6	2002.4	1990.7	2002.4
177.5°	1916.8	1923.0	1929.2	1938.5	1932.3	1932.3	1949.3	1954.0	1955.5	1949.3	1955.5
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7
2.5°	2273.7	2272.5	2271.6	2277.0	2288.6	2294.1	2281.8	2269.4	2281.8	2294.1	2288.6
5°	2288.2	2284.1	2282.0	2286.7	2298.0	2302.1	2284.6	2267.0	2284.6	2302.1	2298.0
7.5°	2326.7	2318.8	2312.8	2312.7	2318.5	2316.6	2291.6	2266.6	2291.6	2316.6	2318.5
10°	2328.7	2324.3	2323.3	2324.9	2329.0	2324.6	2294.7	2264.7	2294.7	2324.6	2329.0
12.5°	2293.6	2292.8	2294.2	2303.2	2319.7	2323.4	2288.5	2253.6	2288.5	2323.4	2319.7
15°	2240.5	2236.9	2233.8	2250.3	2286.4	2303.2	2261.9	2220.6	2261.9	2303.2	2286.4
17.5°	2209.7	2198.8	2187.6	2199.3	2233.8	2248.8	2205.7	2162.5	2205.7	2248.8	2233.8
20°	2194.8	2179.6	2165.1	2171.8	2199.7	2210.0	2167.7	2125.4	2167.7	2210.0	2199.7
22.5°	2187.1	2165.9	2145.7	2147.0	2170.0	2176.6	2134.2	2091.9	2134.2	2176.6	2170.0
25°	2185.5	2153.2	2119.2	2107.8	2119.2	2118.4	2081.2	2044.1	2081.2	2118.4	2119.2
27.5°	2178.4	2139.1	2093.1	2064.1	2052.1	2037.7	2015.8	1993.9	2015.8	2037.7	2052.1
30°	2145.7	2113.7	2073.5	2037.9	2006.9	1980.1	1965.6	1951.1	1965.6	1980.1	2006.9
32.5°	2076.6	2063.0	2041.7	2007.3	1959.8	1922.0	1913.4	1904.7	1913.4	1922.0	1959.8
35°	1941.6	1958.9	1975.4	1952.7	1890.8	1842.5	1835.3	1828.0	1835.3	1842.5	1890.8
37.5°	1763.0	1804.8	1853.1	1853.5	1806.1	1766.7	1751.9	1737.0	1751.9	1766.7	1806.1
40°	1617.2	1677.8	1750.1	1772.8	1746.0	1719.6	1694.9	1670.1	1694.9	1719.6	1746.0
42.5°	1450.4	1527.3	1619.4	1668.1	1673.5	1667.6	1628.0	1588.3	1628.0	1667.6	1673.5
45°	1213.0	1296.9	1397.0	1476.5	1535.4	1566.1	1512.4	1458.7	1512.4	1566.1	1535.4
47.5°	1005.5	1080.7	1170.1	1262.6	1358.2	1416.1	1361.0	1305.9	1361.0	1416.1	1358.2
50°	878.3	950.0	1033.6	1126.6	1228.8	1294.3	1249.9	1205.5	1249.9	1294.3	1228.8
52.5°	760.2	831.1	914.7	1005.2	1102.4	1167.3	1135.3	1103.3	1135.3	1167.3	1102.4
55°	605.2	670.5	750.0	832.6	918.3	978.4	961.9	945.4	961.9	978.4	918.3
57.5°	489.2	544.0	611.5	685.0	764.5	821.5	811.0	800.4	811.0	821.5	764.5
60°	428.7	471.5	524.2	590.2	669.7	727.6	720.3	713.1	720.3	727.6	669.7
62.5°	377.5	411.4	453.4	512.4	588.6	644.3	638.8	633.2	638.8	644.3	588.6
65°	311.8	337.6	369.6	418.1	483.1	530.6	525.5	520.3	525.5	530.6	483.1
67.5°	258.9	279.5	304.7	343.8	396.9	436.0	433.3	430.6	433.3	436.0	396.9
70°	224.0	242.3	265.1	299.6	346.1	380.7	379.6	378.6	379.6	380.7	346.1
72.5°	194.7	209.5	228.1	257.7	298.4	329.3	330.7	332.2	330.7	329.3	298.4
75°	152.8	162.6	175.0	197.7	230.7	256.3	259.4	262.5	259.4	256.3	230.7
77.5°	118.0	121.1	125.2	140.9	168.2	189.4	192.7	196.0	192.7	189.4	168.2
80°	97.6	97.6	97.6	107.9	128.5	145.0	149.2	153.3	149.2	145.0	128.5
82.5°	75.1	75.3	75.3	81.0	92.6	102.7	108.5	114.3	108.5	102.7	92.6
85°	29.4	34.8	41.0	44.1	44.1	45.4	50.6	55.7	50.6	45.4	44.1
87.5°	13.7	13.3	13.3	15.0	18.0	19.5	17.6	16.0	17.6	19.1	18.7
90°	40.6	38.7	38.7	36.8	31.0	23.2	13.5	5.8	13.5	21.3	34.8
92.5°	48.4	48.0	44.9	41.4	34.0	34.0	33.7	21.3	36.8	52.2	75.1
95°	44.5	44.5	52.2	65.8	96.7	98.7	65.8	60.0	85.1	119.9	150.9
97.5°	120.3	143.2	175.7	181.9	172.2	128.5	123.0	114.5	155.9	190.4	240.3
100°	222.5	251.5	274.7	228.3	179.9	178.0	166.4	162.5	207.0	239.9	288.3
102.5°	347.8	356.7	276.3	250.0	238.7	230.6	212.8	210.5	255.0	300.3	340.9
105°	377.3	338.6	340.5	340.5	332.8	317.3	284.4	282.5	332.8	385.0	435.3
107.5°	443.8	449.6	459.7	457.3	448.4	407.0	368.4	359.5	404.7	467.4	522.7
110°	532.0	537.8	541.7	537.8	524.3	472.1	425.6	412.1	452.7	518.5	578.5



TEST NUMBER: P1428320

CATALOG NUMBER: SQ2W-PR1-K-150U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	617.2	621.4	629.9	618.3	595.5	535.5	482.9	463.2	503.8	571.1	632.6
115°	752.6	752.6	754.5	748.7	702.3	640.4	570.7	541.7	576.5	638.4	706.1
117.5°	885.7	888.0	880.3	864.8	811.0	739.0	660.9	614.4	641.9	707.3	777.0
120°	969.3	973.1	965.4	942.2	889.9	808.7	719.7	665.5	686.8	750.6	820.3
122.5°	1055.9	1055.2	1045.9	1019.6	958.0	873.7	786.2	719.7	728.6	787.8	855.9
125°	1176.3	1174.3	1166.6	1135.6	1071.8	984.7	882.2	800.9	789.3	839.6	909.3
127.5°	1290.8	1286.5	1274.5	1237.0	1171.6	1087.7	975.1	883.0	857.0	888.8	952.6
130°	1369.7	1363.9	1342.6	1302.0	1238.2	1158.8	1044.7	940.2	903.5	922.8	978.9
132.5°	1445.6	1428.9	1410.7	1367.0	1307.8	1225.4	1109.7	1000.6	949.9	958.4	1002.1
135°	1541.9	1526.4	1503.2	1460.7	1404.5	1323.3	1207.2	1089.2	1019.6	1011.8	1037.0
137.5°	1626.6	1610.4	1584.1	1547.3	1490.8	1418.5	1307.0	1182.5	1094.6	1068.7	1078.4
140°	1679.3	1659.9	1636.7	1599.9	1549.6	1474.2	1365.9	1245.9	1147.2	1110.5	1104.7
142.5°	1722.6	1707.9	1683.1	1649.5	1605.4	1529.9	1424.7	1306.3	1201.4	1153.8	1140.3
145°	1787.6	1776.0	1748.9	1718.0	1681.2	1605.8	1509.0	1391.0	1286.5	1224.6	1195.6
147.5°	1842.6	1833.3	1812.0	1775.6	1744.7	1672.3	1584.1	1479.6	1372.4	1295.8	1258.3
150°	1876.6	1868.9	1847.6	1812.8	1781.8	1714.1	1629.0	1532.2	1429.7	1348.4	1300.1
152.5°	1909.1	1901.4	1877.0	1842.2	1815.9	1752.8	1675.4	1583.3	1479.2	1398.0	1348.1
155°	1952.1	1942.4	1919.2	1886.3	1863.1	1805.0	1733.4	1652.2	1563.2	1478.1	1422.0
157.5°	1986.1	1974.1	1952.4	1924.2	1899.4	1846.0	1783.7	1713.7	1635.9	1554.7	1497.4
160°	2006.2	1992.7	1969.5	1944.3	1921.1	1870.8	1814.7	1750.8	1679.3	1605.8	1543.8
162.5°	2020.2	2008.2	1980.3	1958.2	1938.1	1892.5	1839.5	1781.8	1718.0	1653.7	1596.5
165°	2035.2	2021.7	1992.7	1975.3	1957.9	1919.2	1872.7	1826.3	1772.1	1719.9	1673.5
167.5°	2036.4	2025.2	1996.2	1979.1	1966.4	1933.1	1895.6	1860.0	1817.8	1776.8	1738.1
170°	2033.3	2023.6	1994.6	1979.1	1969.5	1942.4	1909.5	1878.5	1845.6	1810.8	1779.9
172.5°	2022.5	2012.8	1985.3	1972.9	1967.9	1943.9	1917.2	1894.0	1865.8	1840.2	1815.5
175°	1994.6	1986.9	1963.7	1955.9	1957.9	1942.4	1923.0	1909.5	1892.1	1876.6	1863.1
177.5°	1954.0	1949.3	1932.3	1932.3	1938.5	1929.2	1923.0	1916.8	1909.1	1904.5	1899.8
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1428320

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CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7
2.5°	2277.0	2271.6	2272.5	2273.7	2276.2	2278.7	2276.2	2273.7	2272.5	2271.6	2277.0
5°	2286.7	2282.0	2284.1	2288.2	2298.5	2308.9	2298.5	2288.2	2284.1	2282.0	2286.7
7.5°	2312.7	2312.8	2318.8	2326.7	2340.3	2353.9	2340.3	2326.7	2318.8	2312.8	2312.7
10°	2324.9	2323.3	2324.3	2328.7	2343.2	2357.6	2343.2	2328.7	2324.3	2323.3	2324.9
12.5°	2303.2	2294.2	2292.8	2293.6	2301.5	2309.3	2301.5	2293.6	2292.8	2294.2	2303.2
15°	2250.3	2233.8	2236.9	2240.5	2245.6	2250.8	2245.6	2240.5	2236.9	2233.8	2250.3
17.5°	2199.3	2187.6	2198.8	2209.7	2219.8	2229.9	2219.8	2209.7	2198.8	2187.6	2199.3
20°	2171.8	2165.1	2179.6	2194.8	2212.3	2229.9	2212.3	2194.8	2179.6	2165.1	2171.8
22.5°	2147.0	2145.7	2165.9	2187.1	2211.3	2235.5	2211.3	2187.1	2165.9	2145.7	2147.0
25°	2107.8	2119.2	2153.2	2185.5	2212.3	2239.2	2212.3	2185.5	2153.2	2119.2	2107.8
27.5°	2064.1	2093.1	2139.1	2178.4	2197.2	2215.9	2197.2	2178.4	2139.1	2093.1	2064.1
30°	2037.9	2073.5	2113.7	2145.7	2153.0	2160.2	2153.0	2145.7	2113.7	2073.5	2037.9
32.5°	2007.3	2041.7	2063.0	2076.6	2067.3	2058.0	2067.3	2076.6	2063.0	2041.7	2007.3
35°	1952.7	1975.4	1958.9	1941.6	1922.0	1902.4	1922.0	1941.6	1958.9	1975.4	1952.7
37.5°	1853.5	1853.1	1804.8	1763.0	1740.4	1717.9	1740.4	1763.0	1804.8	1853.1	1853.5
40°	1772.8	1750.1	1677.8	1617.2	1591.4	1565.6	1591.4	1617.2	1677.8	1750.1	1772.8
42.5°	1668.1	1619.4	1527.3	1450.4	1418.8	1387.2	1418.8	1450.4	1527.3	1619.4	1668.1
45°	1476.5	1397.0	1296.9	1213.0	1177.9	1142.8	1177.9	1213.0	1296.9	1397.0	1476.5
47.5°	1262.6	1170.1	1080.7	1005.5	972.6	939.8	972.6	1005.5	1080.7	1170.1	1262.6
50°	1126.6	1033.6	950.0	878.3	842.1	806.0	842.1	878.3	950.0	1033.6	1126.6
52.5°	1005.2	914.7	831.1	760.2	727.3	694.5	727.3	760.2	831.1	914.7	1005.2
55°	832.6	750.0	670.5	605.2	582.5	559.8	582.5	605.2	670.5	750.0	832.6
57.5°	685.0	611.5	544.0	489.2	472.5	455.7	472.5	489.2	544.0	611.5	685.0
60°	590.2	524.2	471.5	428.7	415.3	401.8	415.3	428.7	471.5	524.2	590.2
62.5°	512.4	453.4	411.4	377.5	367.4	357.2	367.4	377.5	411.4	453.4	512.4
65°	418.1	369.6	337.6	311.8	304.5	297.3	304.5	311.8	337.6	369.6	418.1
67.5°	343.8	304.7	279.5	258.9	252.1	245.3	252.1	258.9	279.5	304.7	343.8
70°	299.6	265.1	242.3	224.0	218.9	213.7	218.9	224.0	242.3	265.1	299.6
72.5°	257.7	228.1	209.5	194.7	191.2	187.7	191.2	194.7	209.5	228.1	257.7
75°	197.7	175.0	162.6	152.8	150.7	148.7	150.7	152.8	162.6	175.0	197.7
77.5°	140.9	125.2	121.1	118.0	118.0	118.0	118.0	118.0	121.1	125.2	140.9
80°	107.9	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	107.9
82.5°	81.0	75.3	75.3	75.1	74.2	73.4	74.2	75.1	75.3	75.3	81.0
85°	44.1	41.0	34.8	29.4	26.3	23.2	26.3	29.4	34.8	41.0	44.1
87.5°	16.5	17.2	19.9	21.4	23.0	22.2	23.0	21.4	19.9	17.2	16.5
90°	44.5	58.0	71.6	79.3	87.1	83.2	87.1	79.3	71.6	58.0	44.5
92.5°	89.4	112.2	128.8	142.8	149.0	148.2	149.0	128.8	112.2	89.4	
95°	179.9	207.0	234.1	253.4	265.0	261.2	265.0	253.4	234.1	207.0	179.9
97.5°	277.4	313.8	344.0	362.2	373.8	381.5	373.8	362.2	344.0	313.8	277.4
100°	342.4	377.3	412.1	433.4	452.7	460.4	452.7	433.4	412.1	377.3	342.4
102.5°	395.1	440.7	478.6	501.5	517.7	525.4	517.7	501.5	478.6	440.7	395.1
105°	481.7	530.1	570.7	599.7	617.2	623.0	617.2	599.7	570.7	530.1	481.7
107.5°	568.4	618.3	655.8	688.0	709.2	721.6	709.2	688.0	655.8	618.3	568.4
110°	636.5	677.1	717.8	746.8	768.1	775.8	768.1	746.8	717.8	677.1	636.5



TEST NUMBER: P1428320

CATALOG NUMBER: SQ2W-PR1-K-150U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	693.8	739.0	779.7	808.7	833.1	843.9	833.1	808.7	779.7	739.0	693.8
115°	773.9	833.8	870.6	897.7	915.1	924.8	915.1	897.7	870.6	833.8	773.9
117.5°	840.4	903.1	943.3	964.2	972.4	979.3	972.4	964.2	943.3	903.1	840.4
120°	882.2	940.2	986.7	1013.8	1023.4	1027.3	1023.4	1013.8	986.7	940.2	882.2
122.5°	920.9	975.8	1020.7	1054.0	1069.9	1073.7	1069.9	1054.0	1020.7	975.8	920.9
125°	975.1	1027.3	1073.7	1106.6	1124.0	1133.7	1124.0	1106.6	1073.7	1027.3	975.1
127.5°	1022.3	1078.8	1121.3	1151.1	1168.1	1175.9	1168.1	1151.1	1121.3	1078.8	1022.3
130°	1048.6	1106.6	1149.2	1182.1	1197.5	1205.3	1197.5	1182.1	1149.2	1106.6	1048.6
132.5°	1068.7	1129.8	1173.9	1203.7	1220.8	1228.5	1220.8	1203.7	1173.9	1129.8	1068.7
135°	1093.1	1156.9	1203.3	1232.4	1247.8	1255.6	1247.8	1232.4	1203.3	1156.9	1093.1
137.5°	1114.4	1172.4	1220.8	1251.3	1265.3	1270.3	1265.3	1251.3	1220.8	1172.4	1114.4
140°	1129.8	1180.1	1228.5	1257.5	1273.0	1274.9	1273.0	1257.5	1228.5	1180.1	1129.8
142.5°	1150.0	1189.4	1231.6	1260.6	1276.1	1279.6	1276.1	1260.6	1231.6	1189.4	1150.0
145°	1185.9	1209.2	1238.2	1265.3	1278.8	1282.7	1278.8	1265.3	1238.2	1209.2	1185.9
147.5°	1231.2	1238.6	1253.6	1271.4	1284.6	1287.3	1284.6	1271.4	1253.6	1238.6	1231.2
150°	1265.3	1263.3	1269.1	1280.7	1292.3	1290.4	1292.3	1280.7	1269.1	1263.3	1265.3
152.5°	1303.9	1292.7	1292.3	1297.8	1303.2	1302.8	1303.2	1297.8	1292.3	1292.7	1303.9
155°	1369.7	1348.4	1336.8	1333.0	1333.0	1331.0	1333.0	1333.0	1336.8	1348.4	1369.7
157.5°	1442.1	1412.3	1394.9	1385.6	1382.9	1378.6	1382.9	1385.6	1394.9	1412.3	1442.1
160°	1491.6	1458.7	1441.3	1425.8	1420.0	1414.2	1420.0	1425.8	1441.3	1458.7	1491.6
162.5°	1538.0	1506.7	1487.7	1473.8	1468.0	1459.1	1468.0	1473.8	1487.7	1506.7	1538.0
165°	1613.5	1580.6	1559.3	1547.7	1540.0	1532.2	1540.0	1547.7	1559.3	1580.6	1613.5
167.5°	1688.9	1653.0	1639.0	1625.9	1618.5	1604.6	1618.5	1625.9	1639.0	1653.0	1688.9
170°	1735.4	1702.5	1694.7	1683.1	1669.6	1654.1	1669.6	1683.1	1694.7	1702.5	1735.4
172.5°	1775.6	1753.6	1745.8	1734.2	1730.0	1717.6	1730.0	1734.2	1745.8	1753.6	1775.6
175°	1834.0	1816.6	1816.6	1814.7	1808.9	1797.3	1808.9	1814.7	1816.6	1816.6	1834.0
177.5°	1882.8	1873.5	1879.7	1879.7	1878.1	1867.3	1878.1	1879.7	1879.7	1873.5	1882.8
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1428320

CATALOG NUMBER: SQ2W-PR1-K-150U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2278.7	2278.7	2278.7	2278.7
2.5°	2288.6	2294.1	2281.8	2269.4
5°	2298.0	2302.1	2284.6	2267.0
7.5°	2318.5	2316.6	2291.6	2266.6
10°	2329.0	2324.6	2294.7	2264.7
12.5°	2319.7	2323.4	2288.5	2253.6
15°	2286.4	2303.2	2261.9	2220.6
17.5°	2233.8	2248.8	2205.7	2162.5
20°	2199.7	2210.0	2167.7	2125.4
22.5°	2170.0	2176.6	2134.2	2091.9
25°	2119.2	2118.4	2081.2	2044.1
27.5°	2052.1	2037.7	2015.8	1993.9
30°	2006.9	1980.1	1965.6	1951.1
32.5°	1959.8	1922.0	1913.4	1904.7
35°	1890.8	1842.5	1835.3	1828.0
37.5°	1806.1	1766.7	1751.9	1737.0
40°	1746.0	1719.6	1694.9	1670.1
42.5°	1673.5	1667.6	1628.0	1588.3
45°	1535.4	1566.1	1512.4	1458.7
47.5°	1358.2	1416.1	1361.0	1305.9
50°	1228.8	1294.3	1249.9	1205.5
52.5°	1102.4	1167.3	1135.3	1103.3
55°	918.3	978.4	961.9	945.4
57.5°	764.5	821.5	811.0	800.4
60°	669.7	727.6	720.3	713.1
62.5°	588.6	644.3	638.8	633.2
65°	483.1	530.6	525.5	520.3
67.5°	396.9	436.0	433.3	430.6
70°	346.1	380.7	379.6	378.6
72.5°	298.4	329.3	330.7	332.2
75°	230.7	256.3	259.4	262.5
77.5°	168.2	189.4	192.7	196.0
80°	128.5	145.0	149.2	153.3
82.5°	92.6	102.7	108.5	114.3
85°	44.1	45.4	50.6	55.7
87.5°	18.7	19.1	17.6	16.0
90°	34.8	21.3	13.5	5.8
92.5°	75.1	52.2	36.8	21.3
95°	150.9	119.9	85.1	60.0
97.5°	240.3	190.4	155.9	114.5
100°	288.3	239.9	207.0	162.5
102.5°	340.9	300.3	255.0	210.5
105°	435.3	385.0	332.8	282.5
107.5°	522.7	467.4	404.7	359.5
110°	578.5	518.5	452.7	412.1



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CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	632.6	571.1	503.8	463.2
115°	706.1	638.4	576.5	541.7
117.5°	777.0	707.3	641.9	614.4
120°	820.3	750.6	686.8	665.5
122.5°	855.9	787.8	728.6	719.7
125°	909.3	839.6	789.3	800.9
127.5°	952.6	888.8	857.0	883.0
130°	978.9	922.8	903.5	940.2
132.5°	1002.1	958.4	949.9	1000.6
135°	1037.0	1011.8	1019.6	1089.2
137.5°	1078.4	1068.7	1094.6	1182.5
140°	1104.7	1110.5	1147.2	1245.9
142.5°	1140.3	1153.8	1201.4	1306.3
145°	1195.6	1224.6	1286.5	1391.0
147.5°	1258.3	1295.8	1372.4	1479.6
150°	1300.1	1348.4	1429.7	1532.2
152.5°	1348.1	1398.0	1479.2	1583.3
155°	1422.0	1478.1	1563.2	1652.2
157.5°	1497.4	1554.7	1635.9	1713.7
160°	1543.8	1605.8	1679.3	1750.8
162.5°	1596.5	1653.7	1718.0	1781.8
165°	1673.5	1719.9	1772.1	1826.3
167.5°	1738.1	1776.8	1817.8	1860.0
170°	1779.9	1810.8	1845.6	1878.5
172.5°	1815.5	1840.2	1865.8	1894.0
175°	1863.1	1876.6	1892.1	1909.5
177.5°	1899.8	1904.5	1909.1	1916.8
180°	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1428320
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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	19.15	19.97	20.12	20.95	22.23	15.52	16.34	16.49	17.32	18.60
	3H	20.36	21.09	21.34	22.07	23.38	16.68	17.41	17.66	18.40	19.70
	4H	20.84	21.53	21.83	22.52	23.83	17.14	17.83	18.14	18.82	20.14
	6H	21.13	21.77	22.14	22.77	24.09	17.48	18.12	18.49	19.11	20.44
	8H	21.24	21.84	22.25	22.85	24.17	17.62	18.22	18.63	19.23	20.55
	12H	21.28	21.85	22.29	22.85	24.20	17.65	18.22	18.66	19.23	20.57
4H	2H	19.25	19.94	20.25	20.93	22.24	16.23	16.92	17.23	17.91	19.22
	3H	20.71	21.28	21.72	22.30	23.62	17.58	18.15	18.59	19.17	20.50
	4H	21.33	21.86	22.35	22.87	24.22	18.12	18.65	19.14	19.66	21.01
	6H	21.76	22.21	22.79	23.25	24.59	18.55	19.00	19.58	20.04	21.38
	8H	21.92	22.34	22.95	23.37	24.73	18.74	19.16	19.77	20.18	21.54
	12H	21.99	22.36	23.03	23.41	24.77	18.78	19.16	19.83	20.20	21.57
8H	4H	21.36	21.78	22.39	22.80	24.16	18.45	18.87	19.48	19.89	21.25
	6H	21.89	22.23	22.94	23.30	24.66	18.99	19.33	20.04	20.40	21.76
	8H	22.12	22.43	23.18	23.48	24.86	19.25	19.55	20.31	20.61	21.99
	12H	22.24	22.51	23.30	23.56	24.98	19.34	19.61	20.40	20.66	22.08
12H	4H	21.31	21.69	22.36	22.73	24.10	18.46	18.84	19.51	19.89	21.25
	6H	21.88	22.18	22.94	23.24	24.61	19.06	19.36	20.12	20.42	21.80
	8H	22.13	22.39	23.19	23.44	24.86	19.35	19.61	20.41	20.66	22.08