

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: P1427959

Luminaire Tested: SQ2W-PH1-K-125U-125D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427959
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PH1-K-125U-125D-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE HEX LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

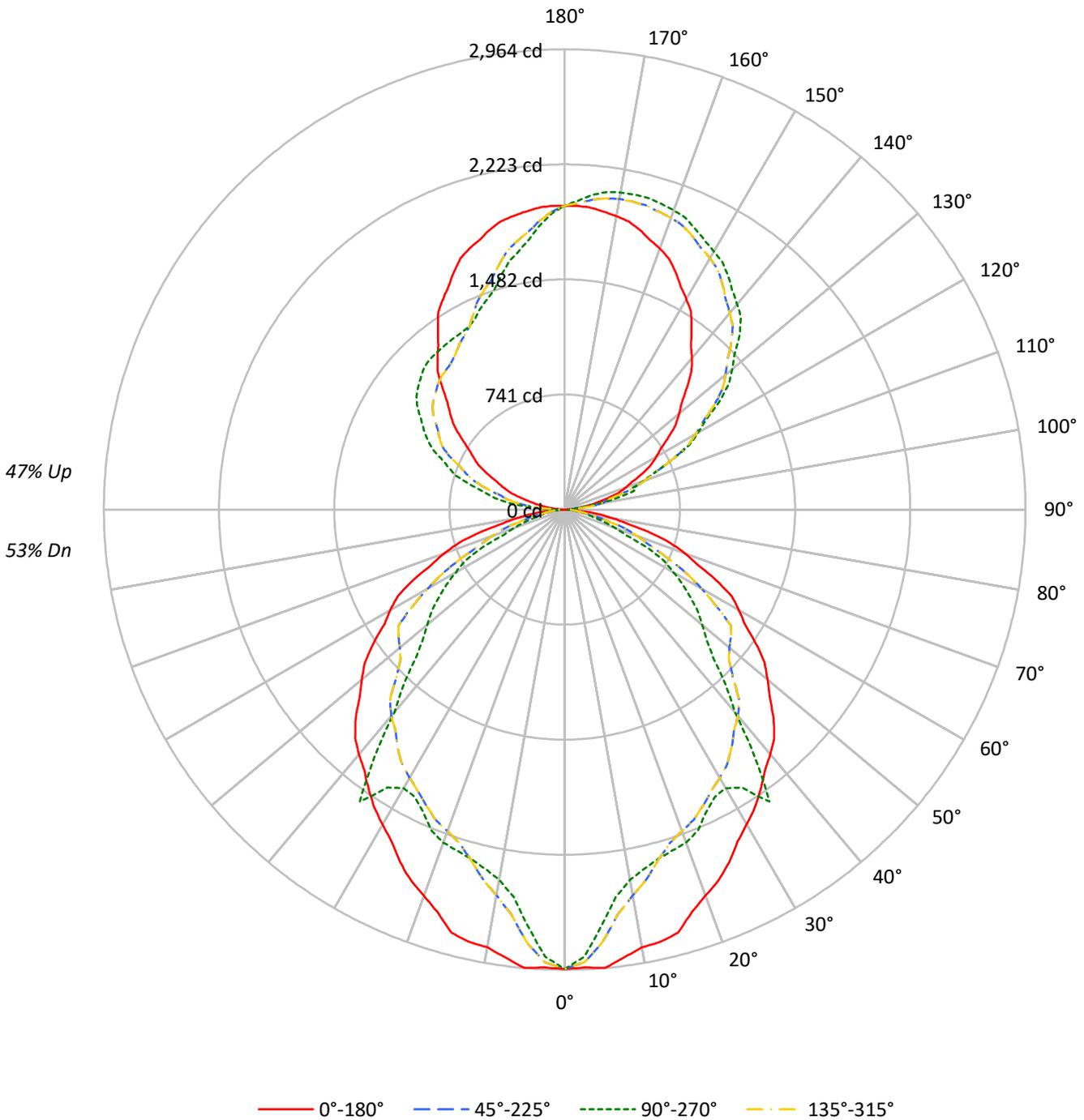
Lumens per Lamp: N/A
Luminaire Lumens: 12261.3 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 93.2
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	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	53
1	99	95	91	87	91	88	84	81	75	73	71	63	62	60	53	52	51	45
2	90	83	77	72	83	77	72	67	66	62	59	56	53	51	47	45	43	38
3	82	73	66	60	76	68	61	56	58	53	49	50	46	43	41	39	37	33
4	75	65	57	51	70	60	53	48	52	46	42	44	40	37	37	34	32	28
5	69	58	49	43	64	54	46	41	46	41	36	40	35	32	33	30	28	24
6	64	52	44	38	59	48	41	36	42	36	32	36	31	28	30	27	24	21
7	59	47	39	33	55	44	36	31	38	32	28	33	28	25	28	24	22	19
8	55	42	35	29	51	40	33	28	35	29	25	30	25	22	25	22	19	17
9	51	39	31	26	47	36	30	25	32	26	22	28	23	20	23	20	17	15
10	48	36	28	23	44	33	27	22	29	24	20	25	21	18	22	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	47759	47759	47759	47759
5°	48033	43654	48033	43654
10°	46928	39683	46928	39683
15°	47138	38906	47138	38906
20°	45456	39219	45456	39219
25°	44624	38307	44624	38307
30°	43657	38620	43657	38620
35°	43325	45266	43325	45266
40°	43363	35889	43363	35889
45°	43379	30912	43379	30912
50°	42771	28984	42771	28984
55°	42226	27808	42226	27808
60°	41807	26085	41807	26085
65°	41073	22689	41073	22689
70°	38794	16211	38794	16211
75°	34591	12289	34591	12289
80°	28265	11511	28265	11511
85°	17728	7818	17728	7818

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 43379 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.3	2.1
10°-20°	684.6	5.6
20°-30°	1003.8	8.2
30°-40°	1215.4	9.9
40°-50°	1195.2	9.7
50°-60°	1039.6	8.5
60°-70°	723.0	5.9
70°-80°	342.9	2.8
80°-90°	83.7	0.7
90°-100°	155.7	1.3
100°-110°	454.1	3.7
110°-120°	741.1	6.0
120°-130°	940.4	7.7
130°-140°	1006.2	8.2
140°-150°	939.6	7.7
150°-160°	773.1	6.3
160°-170°	518.5	4.2
170°-180°	184.1	1.5
0°-30°	1948.7	15.9
0°-40°	3164.1	25.8
0°-60°	5398.9	44.0
0°-90°	6548.6	53.4
90°-120°	1350.9	11.0
90°-150°	4237.0	34.6
90°-180°	5713.0	46.6
0°-180°	12261.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2958	2958	2958	2958	2958	
5°	2964	2694	2964	2694	2964	279
15°	2820	2328	2820	2328	2820	786
25°	2505	2150	2505	2150	2505	1152
35°	2198	2297	2198	2297	2198	1377
45°	1900	1354	1900	1354	1900	1460
55°	1500	988	1500	988	1500	1340
65°	1075	594	1075	594	1075	1056
75°	554	197	554	197	554	588
85°	96	42	96	42	96	128
90°	6	44	6	85	6	8
95°	61	46	61	267	61	74
105°	288	462	288	636	288	307
115°	553	767	553	945	553	545
125°	818	1215	818	1158	818	732
135°	1113	1591	1113	1283	1113	860
145°	1421	1834	1421	1310	1421	889
155°	1688	1992	1688	1360	1688	776
165°	1866	2077	1866	1565	1866	525
175°	1951	2034	1951	1836	1951	185
180°	1956	1956	1956	1956	1956	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2958.0	2958.0	2958.0	2958.0	2958.0	2958.0	2958.0	2958.0	2958.0	2958.0	2958.0
2.5°	2951.3	2965.3	2979.3	2959.5	2928.5	2907.0	2895.0	2885.5	2883.5	2881.5	2883.5
5°	2963.7	2962.4	2961.2	2902.7	2825.1	2767.0	2728.2	2698.5	2696.0	2693.5	2696.0
7.5°	2909.6	2870.9	2832.1	2753.5	2661.7	2594.4	2551.6	2519.0	2517.0	2515.0	2517.0
10°	2862.4	2803.6	2744.8	2656.0	2557.1	2488.3	2449.6	2420.5	2420.5	2420.5	2420.5
12.5°	2851.1	2758.3	2665.5	2568.1	2469.3	2405.5	2376.8	2356.7	2362.7	2368.7	2362.7
15°	2820.1	2680.0	2539.9	2441.1	2356.1	2309.8	2302.3	2300.1	2313.8	2327.6	2313.8
17.5°	2717.7	2566.8	2416.0	2329.1	2263.6	2238.8	2254.8	2270.8	2286.8	2302.8	2286.8
20°	2645.6	2496.8	2347.9	2267.6	2210.0	2196.3	2226.3	2252.5	2267.6	2282.6	2267.6
22.5°	2584.8	2434.0	2283.1	2212.0	2167.5	2161.7	2194.8	2221.5	2229.5	2237.5	2229.5
25°	2504.9	2334.8	2164.7	2112.8	2100.2	2108.4	2137.2	2157.8	2154.0	2150.3	2154.0
27.5°	2409.2	2231.6	2054.0	2020.6	2035.4	2051.5	2069.0	2082.7	2085.0	2087.2	2085.0
30°	2341.7	2164.0	1986.4	1959.8	1983.6	2004.2	2021.8	2039.0	2055.2	2071.5	2055.2
32.5°	2276.4	2092.7	1909.1	1890.0	1925.8	1964.5	2006.0	2046.5	2083.7	2121.0	2083.7
35°	2198.1	2006.7	1815.4	1800.3	1844.1	1900.4	1969.2	2051.5	2174.1	2296.6	2174.1
37.5°	2115.9	1910.8	1705.7	1698.8	1758.1	1817.4	1876.7	1930.9	1970.0	2009.0	1970.0
40°	2057.4	1842.3	1627.1	1626.8	1698.1	1771.9	1848.2	1882.9	1792.8	1702.8	1792.8
42.5°	1994.4	1779.2	1564.1	1557.7	1621.0	1702.3	1801.7	1838.1	1686.0	1533.9	1686.0
45°	1899.8	1675.9	1452.0	1443.8	1507.6	1552.7	1578.9	1571.4	1462.6	1353.8	1462.6
47.5°	1788.3	1574.9	1361.5	1359.8	1428.6	1433.6	1374.8	1320.1	1277.5	1235.0	1277.5
50°	1702.8	1501.4	1300.0	1308.7	1387.6	1380.0	1286.2	1209.0	1181.5	1153.9	1181.5
52.5°	1619.5	1428.1	1236.7	1260.0	1354.8	1339.8	1214.9	1116.7	1098.2	1079.6	1098.2
55°	1500.1	1316.3	1132.4	1184.9	1316.3	1296.2	1124.9	995.4	991.6	987.9	991.6
57.5°	1373.5	1199.6	1025.7	1062.2	1168.8	1147.8	999.2	889.3	895.8	902.3	895.8
60°	1294.7	1125.8	956.9	961.6	1024.2	1004.2	901.6	822.8	815.3	807.8	815.3
62.5°	1211.4	1050.5	889.6	866.3	888.8	865.3	795.8	741.7	734.2	726.7	734.2
65°	1075.1	928.8	782.4	738.3	728.3	694.6	637.0	593.9	593.9	593.9	593.9
67.5°	925.4	797.8	670.2	620.9	597.6	564.1	520.3	480.0	449.9	419.9	449.9
70°	821.8	709.3	596.7	545.1	513.8	473.8	425.0	383.4	363.4	343.4	363.4
72.5°	711.5	614.9	518.4	465.5	427.2	388.2	348.4	312.8	289.8	266.8	289.8
75°	554.5	476.9	399.3	348.1	305.5	266.1	229.9	202.0	199.5	197.0	199.5
77.5°	400.8	344.2	287.7	246.2	209.6	182.3	164.0	150.4	150.6	150.9	150.6
80°	304.0	261.4	218.9	180.1	142.6	123.2	122.0	121.3	122.6	123.8	122.6
82.5°	213.9	182.4	150.9	126.1	103.6	93.2	94.9	96.3	96.6	96.8	96.6
85°	95.7	80.7	65.7	60.0	57.5	53.8	48.8	44.7	43.5	42.2	43.5
87.5°	21.5	22.0	23.0	22.1	20.3	19.2	19.2	19.6	20.0	20.0	20.0
90°	5.9	13.8	23.7	31.6	37.5	39.5	39.5	41.5	43.5	43.5	43.5
92.5°	21.7	34.4	34.8	34.8	42.3	45.9	49.0	49.4	51.4	51.4	51.4
95°	61.3	67.2	100.8	98.8	67.2	53.4	45.5	45.5	45.5	45.5	45.5
97.5°	117.0	125.7	131.2	175.9	185.8	179.4	146.2	122.9	109.9	104.0	109.9
100°	166.0	170.0	181.8	183.8	233.2	280.6	256.9	227.3	217.4	211.5	217.4
102.5°	215.0	217.4	235.6	243.9	255.3	282.2	364.4	355.3	348.6	347.4	348.6
105°	288.5	290.5	324.1	339.9	347.8	347.8	345.9	385.4	448.6	462.5	448.6
107.5°	367.2	376.3	415.8	458.1	467.2	469.6	459.3	453.4	451.0	452.6	451.0
110°	421.0	434.8	482.2	535.6	549.4	553.4	549.4	543.5	539.5	539.5	539.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	473.1	493.3	547.0	608.3	631.6	643.5	634.8	630.4	626.5	629.7	626.5
115°	553.4	583.0	654.2	717.4	764.8	770.8	768.8	768.8	766.8	766.8	766.8
117.5°	627.7	675.1	754.9	828.5	883.4	899.2	907.1	904.8	902.4	906.3	902.4
120°	679.8	735.2	826.1	909.1	962.5	986.2	994.1	990.1	994.1	990.1	994.1
122.5°	735.2	803.2	892.5	978.7	1041.5	1068.4	1077.9	1078.7	1079.5	1077.1	1079.5
125°	818.2	901.2	1005.9	1094.9	1160.1	1191.7	1199.6	1201.6	1205.5	1215.4	1205.5
127.5°	902.0	996.1	1111.1	1196.9	1263.7	1302.0	1314.2	1318.6	1326.9	1331.2	1326.9
130°	960.5	1067.2	1183.8	1264.8	1330.1	1371.6	1393.3	1399.2	1409.1	1407.1	1409.1
132.5°	1022.1	1133.6	1251.8	1336.0	1396.5	1441.1	1459.7	1476.7	1480.3	1483.0	1480.3
135°	1112.7	1233.2	1351.8	1434.8	1492.1	1535.6	1559.3	1575.1	1585.0	1590.9	1585.0
137.5°	1207.9	1335.2	1449.0	1522.9	1580.7	1618.2	1645.1	1661.7	1672.0	1676.7	1672.0
140°	1272.7	1395.3	1505.9	1583.0	1634.4	1672.0	1695.7	1715.4	1727.3	1727.3	1727.3
142.5°	1334.4	1455.4	1562.9	1639.9	1685.0	1719.4	1744.7	1759.7	1773.1	1773.1	1773.1
145°	1421.0	1541.5	1640.3	1717.4	1755.0	1786.6	1814.3	1826.1	1834.0	1834.0	1834.0
147.5°	1511.5	1618.2	1708.3	1782.2	1813.9	1851.0	1872.7	1882.2	1892.1	1887.8	1892.1
150°	1565.2	1664.1	1751.0	1820.2	1851.8	1887.4	1909.1	1917.0	1926.9	1921.0	1926.9
152.5°	1617.4	1711.5	1790.5	1855.0	1881.8	1917.4	1942.3	1950.2	1956.9	1952.6	1956.9
155°	1687.8	1770.8	1843.9	1903.2	1926.9	1960.5	1984.2	1994.1	2002.0	1992.1	2002.0
157.5°	1750.6	1822.2	1885.8	1940.3	1965.6	1994.5	2016.6	2028.9	2036.8	2032.4	2036.8
160°	1788.6	1853.8	1911.1	1962.5	1986.2	2011.9	2035.6	2049.4	2057.3	2051.4	2057.3
162.5°	1820.2	1879.1	1933.2	1979.9	2000.4	2022.9	2051.4	2063.7	2071.6	2064.1	2071.6
165°	1865.6	1913.1	1960.5	2000.0	2017.8	2035.6	2065.2	2079.1	2085.0	2077.1	2085.0
167.5°	1900.0	1936.4	1974.7	2008.7	2021.8	2039.2	2068.8	2080.3	2087.8	2077.9	2087.8
170°	1919.0	1950.6	1984.2	2011.9	2021.8	2037.6	2067.2	2077.1	2083.0	2073.1	2083.0
172.5°	1934.8	1958.5	1985.8	2010.3	2015.4	2028.1	2056.2	2066.0	2070.4	2062.1	2070.4
175°	1950.6	1964.5	1984.2	2000.0	1998.0	2006.0	2029.7	2037.6	2045.5	2033.6	2045.5
177.5°	1958.1	1964.5	1970.8	1980.3	1973.9	1973.9	1991.3	1996.1	1997.7	1991.3	1997.7
180°	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2958.0	2958.0	2958.0	2958.0	2958.0	2958.0	2958.0	2958.0	2958.0	2958.0	2958.0
2.5°	2885.5	2895.0	2907.0	2928.5	2959.5	2979.3	2965.3	2951.3	2965.3	2979.3	2959.5
5°	2698.5	2728.2	2767.0	2825.1	2902.7	2961.2	2962.4	2963.7	2962.4	2961.2	2902.7
7.5°	2519.0	2551.6	2594.4	2661.7	2753.5	2832.1	2870.9	2909.6	2870.9	2832.1	2753.5
10°	2420.5	2449.6	2488.3	2557.1	2656.0	2744.8	2803.6	2862.4	2803.6	2744.8	2656.0
12.5°	2356.7	2376.8	2405.5	2469.3	2568.1	2665.5	2758.3	2851.1	2758.3	2665.5	2568.1
15°	2300.1	2302.3	2309.8	2356.1	2441.1	2539.9	2680.0	2820.1	2680.0	2539.9	2441.1
17.5°	2270.8	2254.8	2238.8	2263.6	2329.1	2416.0	2566.8	2717.7	2566.8	2416.0	2329.1
20°	2252.5	2226.3	2196.3	2210.0	2267.6	2347.9	2496.8	2645.6	2496.8	2347.9	2267.6
22.5°	2221.5	2194.8	2161.7	2167.5	2212.0	2283.1	2434.0	2584.8	2434.0	2283.1	2212.0
25°	2157.8	2137.2	2108.4	2100.2	2112.8	2164.7	2334.8	2504.9	2334.8	2164.7	2112.8
27.5°	2082.7	2069.0	2051.5	2035.4	2020.6	2054.0	2231.6	2409.2	2231.6	2054.0	2020.6
30°	2039.0	2021.8	2004.2	1983.6	1959.8	1986.4	2164.0	2341.7	2164.0	1986.4	1959.8
32.5°	2046.5	2006.0	1964.5	1925.8	1890.0	1909.1	2092.7	2276.4	2092.7	1909.1	1890.0
35°	2051.5	1969.2	1900.4	1844.1	1800.3	1815.4	2006.7	2198.1	2006.7	1815.4	1800.3
37.5°	1930.9	1876.7	1817.4	1758.1	1698.8	1705.7	1910.8	2115.9	1910.8	1705.7	1698.8
40°	1882.9	1848.2	1771.9	1698.1	1626.8	1627.1	1842.3	2057.4	1842.3	1627.1	1626.8
42.5°	1838.1	1801.7	1702.3	1621.0	1557.7	1564.1	1779.2	1994.4	1779.2	1564.1	1557.7
45°	1571.4	1578.9	1552.7	1507.6	1443.8	1452.0	1675.9	1899.8	1675.9	1452.0	1443.8
47.5°	1320.1	1374.8	1433.6	1428.6	1359.8	1361.5	1574.9	1788.3	1574.9	1361.5	1359.8
50°	1209.0	1286.2	1380.0	1387.6	1308.7	1300.0	1501.4	1702.8	1501.4	1300.0	1308.7
52.5°	1116.7	1214.9	1339.8	1354.8	1260.0	1236.7	1428.1	1619.5	1428.1	1236.7	1260.0
55°	995.4	1124.9	1296.2	1316.3	1184.9	1132.4	1316.3	1500.1	1316.3	1132.4	1184.9
57.5°	889.3	999.2	1147.8	1168.8	1062.2	1025.7	1199.6	1373.5	1199.6	1025.7	1062.2
60°	822.8	901.6	1004.2	1024.2	961.6	956.9	1125.8	1294.7	1125.8	956.9	961.6
62.5°	741.7	795.8	865.3	888.8	866.3	889.6	1050.5	1211.4	1050.5	889.6	866.3
65°	593.9	637.0	694.6	728.3	738.3	782.4	928.8	1075.1	928.8	782.4	738.3
67.5°	480.0	520.3	564.1	597.6	620.9	670.2	797.8	925.4	797.8	670.2	620.9
70°	383.4	425.0	473.8	513.8	545.1	596.7	709.3	821.8	709.3	596.7	545.1
72.5°	312.8	348.4	388.2	427.2	465.5	518.4	614.9	711.5	614.9	518.4	465.5
75°	202.0	229.9	266.1	305.5	348.1	399.3	476.9	554.5	476.9	399.3	348.1
77.5°	150.4	164.0	182.3	209.6	246.2	287.7	344.2	400.8	344.2	287.7	246.2
80°	121.3	122.0	123.2	142.6	180.1	218.9	261.4	304.0	261.4	218.9	180.1
82.5°	96.3	94.9	93.2	103.6	126.1	150.9	182.4	213.9	182.4	150.9	126.1
85°	44.7	48.8	53.8	57.5	60.0	65.7	80.7	95.7	80.7	65.7	60.0
87.5°	19.6	19.2	19.2	20.3	22.1	23.0	22.0	21.5	22.0	22.6	22.9
90°	41.5	39.5	39.5	37.5	31.6	23.7	13.8	5.9	13.8	21.7	35.6
92.5°	49.4	49.0	45.9	42.3	34.8	34.8	34.4	21.7	37.5	53.4	76.7
95°	45.5	45.5	53.4	67.2	98.8	100.8	67.2	61.3	87.0	122.5	154.2
97.5°	122.9	146.2	179.4	185.8	175.9	131.2	125.7	117.0	159.3	194.5	245.5
100°	227.3	256.9	280.6	233.2	183.8	181.8	170.0	166.0	211.5	245.1	294.5
102.5°	355.3	364.4	282.2	255.3	243.9	235.6	217.4	215.0	260.5	306.7	348.2
105°	385.4	345.9	347.8	347.8	339.9	324.1	290.5	288.5	339.9	393.3	444.7
107.5°	453.4	459.3	469.6	467.2	458.1	415.8	376.3	367.2	413.4	477.5	534.0
110°	543.5	549.4	553.4	549.4	535.6	482.2	434.8	421.0	462.5	529.7	590.9



TEST NUMBER: P1427959

CATALOG NUMBER: SQ2W-PH1-K-125U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	630.4	634.8	643.5	631.6	608.3	547.0	493.3	473.1	514.6	583.4	646.3
115°	768.8	768.8	770.8	764.8	717.4	654.2	583.0	553.4	588.9	652.2	721.4
117.5°	904.8	907.1	899.2	883.4	828.5	754.9	675.1	627.7	655.7	722.5	793.7
120°	990.1	994.1	986.2	962.5	909.1	826.1	735.2	679.8	701.6	766.8	838.0
122.5°	1078.7	1077.9	1068.4	1041.5	978.7	892.5	803.2	735.2	744.3	804.8	874.3
125°	1201.6	1199.6	1191.7	1160.1	1094.9	1005.9	901.2	818.2	806.3	857.7	928.9
127.5°	1318.6	1314.2	1302.0	1263.7	1196.9	1111.1	996.1	902.0	875.5	907.9	973.1
130°	1399.2	1393.3	1371.6	1330.1	1264.8	1183.8	1067.2	960.5	922.9	942.7	1000.0
132.5°	1476.7	1459.7	1441.1	1396.5	1336.0	1251.8	1133.6	1022.1	970.4	979.1	1023.7
135°	1575.1	1559.3	1535.6	1492.1	1434.8	1351.8	1233.2	1112.7	1041.5	1033.6	1059.3
137.5°	1661.7	1645.1	1618.2	1580.7	1522.9	1449.0	1335.2	1207.9	1118.2	1091.7	1101.6
140°	1715.4	1695.7	1672.0	1634.4	1583.0	1505.9	1395.3	1272.7	1172.0	1134.4	1128.5
142.5°	1759.7	1744.7	1719.4	1685.0	1639.9	1562.9	1455.4	1334.4	1227.3	1178.7	1164.8
145°	1826.1	1814.3	1786.6	1755.0	1717.4	1640.3	1541.5	1421.0	1314.2	1251.0	1221.4
147.5°	1882.2	1872.7	1851.0	1813.9	1782.2	1708.3	1618.2	1511.5	1402.0	1323.7	1285.4
150°	1917.0	1909.1	1887.4	1851.8	1820.2	1751.0	1664.1	1565.2	1460.5	1377.5	1328.1
152.5°	1950.2	1942.3	1917.4	1881.8	1855.0	1790.5	1711.5	1617.4	1511.1	1428.1	1377.1
155°	1994.1	1984.2	1960.5	1926.9	1903.2	1843.9	1770.8	1687.8	1596.9	1509.9	1452.6
157.5°	2028.9	2016.6	1994.5	1965.6	1940.3	1885.8	1822.2	1750.6	1671.2	1588.2	1529.7
160°	2049.4	2035.6	2011.9	1986.2	1962.5	1911.1	1853.8	1788.6	1715.4	1640.3	1577.1
162.5°	2063.7	2051.4	2022.9	2000.4	1979.9	1933.2	1879.1	1820.2	1755.0	1689.3	1630.8
165°	2079.1	2065.2	2035.6	2017.8	2000.0	1960.5	1913.1	1865.6	1810.3	1756.9	1709.5
167.5°	2080.3	2068.8	2039.2	2021.8	2008.7	1974.7	1936.4	1900.0	1856.9	1815.0	1775.5
170°	2077.1	2067.2	2037.6	2021.8	2011.9	1984.2	1950.6	1919.0	1885.4	1849.8	1818.2
172.5°	2066.0	2056.2	2028.1	2015.4	2010.3	1985.8	1958.5	1934.8	1906.0	1879.9	1854.6
175°	2037.6	2029.7	2006.0	1998.0	2000.0	1984.2	1964.5	1950.6	1932.8	1917.0	1903.2
177.5°	1996.1	1991.3	1973.9	1973.9	1980.3	1970.8	1964.5	1958.1	1950.2	1945.5	1940.7
180°	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5



TEST NUMBER: P1427959

CATALOG NUMBER: SQ2W-PH1-K-125U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2958.0	2958.0	2958.0	2958.0	2958.0	2958.0	2958.0	2958.0	2958.0	2958.0	2958.0
2.5°	2928.5	2907.0	2895.0	2885.5	2883.5	2881.5	2883.5	2885.5	2895.0	2907.0	2928.5
5°	2825.1	2767.0	2728.2	2698.5	2696.0	2693.5	2696.0	2698.5	2728.2	2767.0	2825.1
7.5°	2661.7	2594.4	2551.6	2519.0	2517.0	2515.0	2517.0	2519.0	2551.6	2594.4	2661.7
10°	2557.1	2488.3	2449.6	2420.5	2420.5	2420.5	2420.5	2420.5	2449.6	2488.3	2557.1
12.5°	2469.3	2405.5	2376.8	2356.7	2362.7	2368.7	2362.7	2356.7	2376.8	2405.5	2469.3
15°	2356.1	2309.8	2302.3	2300.1	2313.8	2327.6	2313.8	2300.1	2302.3	2309.8	2356.1
17.5°	2263.6	2238.8	2254.8	2270.8	2286.8	2302.8	2286.8	2270.8	2254.8	2238.8	2263.6
20°	2210.0	2196.3	2226.3	2252.5	2267.6	2282.6	2267.6	2252.5	2226.3	2196.3	2210.0
22.5°	2167.5	2161.7	2194.8	2221.5	2229.5	2237.5	2229.5	2221.5	2194.8	2161.7	2167.5
25°	2100.2	2108.4	2137.2	2157.8	2154.0	2150.3	2154.0	2157.8	2137.2	2108.4	2100.2
27.5°	2035.4	2051.5	2069.0	2082.7	2085.0	2087.2	2085.0	2082.7	2069.0	2051.5	2035.4
30°	1983.6	2004.2	2021.8	2039.0	2055.2	2071.5	2055.2	2039.0	2021.8	2004.2	1983.6
32.5°	1925.8	1964.5	2006.0	2046.5	2083.7	2121.0	2083.7	2046.5	2006.0	1964.5	1925.8
35°	1844.1	1900.4	1969.2	2051.5	2174.1	2296.6	2174.1	2051.5	1969.2	1900.4	1844.1
37.5°	1758.1	1817.4	1876.7	1930.9	1970.0	2009.0	1970.0	1930.9	1876.7	1817.4	1758.1
40°	1698.1	1771.9	1848.2	1882.9	1792.8	1702.8	1792.8	1882.9	1848.2	1771.9	1698.1
42.5°	1621.0	1702.3	1801.7	1838.1	1686.0	1533.9	1686.0	1838.1	1801.7	1702.3	1621.0
45°	1507.6	1552.7	1578.9	1571.4	1462.6	1353.8	1462.6	1571.4	1578.9	1552.7	1507.6
47.5°	1428.6	1433.6	1374.8	1320.1	1277.5	1235.0	1277.5	1320.1	1374.8	1433.6	1428.6
50°	1387.6	1380.0	1286.2	1209.0	1181.5	1153.9	1181.5	1209.0	1286.2	1380.0	1387.6
52.5°	1354.8	1339.8	1214.9	1116.7	1098.2	1079.6	1098.2	1116.7	1214.9	1339.8	1354.8
55°	1316.3	1296.2	1124.9	995.4	991.6	987.9	991.6	995.4	1124.9	1296.2	1316.3
57.5°	1168.8	1147.8	999.2	889.3	895.8	902.3	895.8	889.3	999.2	1147.8	1168.8
60°	1024.2	1004.2	901.6	822.8	815.3	807.8	815.3	822.8	901.6	1004.2	1024.2
62.5°	888.8	865.3	795.8	741.7	734.2	726.7	734.2	741.7	795.8	865.3	888.8
65°	728.3	694.6	637.0	593.9	593.9	593.9	593.9	637.0	694.6	728.3	728.3
67.5°	597.6	564.1	520.3	480.0	449.9	419.9	449.9	520.3	564.1	597.6	597.6
70°	513.8	473.8	425.0	383.4	363.4	343.4	363.4	425.0	473.8	513.8	513.8
72.5°	427.2	388.2	348.4	312.8	289.8	266.8	289.8	348.4	388.2	427.2	427.2
75°	305.5	266.1	229.9	202.0	199.5	197.0	199.5	229.9	266.1	305.5	305.5
77.5°	209.6	182.3	164.0	150.4	150.6	150.9	150.6	164.0	182.3	209.6	209.6
80°	142.6	123.2	122.0	121.3	122.6	123.8	122.6	121.3	122.0	123.2	142.6
82.5°	103.6	93.2	94.9	96.3	96.6	96.8	96.6	94.9	93.2	103.6	103.6
85°	57.5	53.8	48.8	44.7	43.5	42.2	43.5	44.7	48.8	53.8	57.5
87.5°	21.9	23.1	25.9	27.5	29.0	28.3	29.0	25.9	23.1	21.9	21.9
90°	45.5	59.3	73.1	81.0	88.9	85.0	88.9	73.1	59.3	45.5	45.5
92.5°	91.3	114.6	131.6	145.9	152.2	151.4	152.2	114.6	91.3	91.3	91.3
95°	183.8	211.5	239.1	258.9	270.8	266.8	270.8	211.5	183.8	183.8	183.8
97.5°	283.4	320.6	351.4	370.0	381.8	389.7	381.8	320.6	283.4	283.4	283.4
100°	349.8	385.4	421.0	442.7	462.5	470.4	462.5	421.0	349.8	349.8	349.8
102.5°	403.6	450.2	488.9	512.3	528.9	536.8	528.9	450.2	403.6	403.6	403.6
105°	492.1	541.5	583.0	612.7	630.4	636.4	630.4	541.5	492.1	492.1	492.1
107.5°	580.6	631.6	670.0	702.8	724.5	737.2	724.5	631.6	580.6	580.6	580.6
110°	650.2	691.7	733.2	762.9	784.6	792.5	784.6	691.7	650.2	650.2	650.2



TEST NUMBER: P1427959

CATALOG NUMBER: SQ2W-PH1-K-125U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	708.7	754.9	796.5	826.1	851.0	862.1	851.0	826.1	796.5	754.9	708.7
115°	790.5	851.8	889.3	917.0	934.8	944.7	934.8	917.0	889.3	851.8	790.5
117.5°	858.5	922.5	963.6	985.0	993.3	1000.4	993.3	985.0	963.6	922.5	858.5
120°	901.2	960.5	1007.9	1035.6	1045.5	1049.4	1045.5	1035.6	1007.9	960.5	901.2
122.5°	940.7	996.8	1042.7	1076.7	1092.9	1096.9	1092.9	1076.7	1042.7	996.8	940.7
125°	996.1	1049.4	1096.9	1130.4	1148.2	1158.1	1148.2	1130.4	1096.9	1049.4	996.1
127.5°	1044.3	1102.0	1145.5	1175.9	1193.3	1201.2	1193.3	1175.9	1145.5	1102.0	1044.3
130°	1071.2	1130.4	1173.9	1207.5	1223.3	1231.2	1223.3	1207.5	1173.9	1130.4	1071.2
132.5°	1091.7	1154.2	1199.2	1229.7	1247.1	1255.0	1247.1	1229.7	1199.2	1154.2	1091.7
135°	1116.6	1181.8	1229.3	1258.9	1274.7	1282.6	1274.7	1258.9	1229.3	1181.8	1116.6
137.5°	1138.4	1197.6	1247.1	1278.3	1292.5	1297.6	1292.5	1278.3	1247.1	1197.6	1138.4
140°	1154.2	1205.5	1255.0	1284.6	1300.4	1302.4	1300.4	1284.6	1255.0	1205.5	1154.2
142.5°	1174.7	1215.0	1258.1	1287.8	1303.6	1307.1	1303.6	1287.8	1258.1	1215.0	1174.7
145°	1211.5	1235.2	1264.8	1292.5	1306.3	1310.3	1306.3	1292.5	1264.8	1235.2	1211.5
147.5°	1257.7	1265.2	1280.6	1298.8	1312.3	1315.0	1312.3	1298.8	1280.6	1265.2	1257.7
150°	1292.5	1290.5	1296.5	1308.3	1320.2	1318.2	1320.2	1308.3	1296.5	1290.5	1292.5
152.5°	1332.0	1320.6	1320.2	1325.7	1331.2	1330.8	1331.2	1325.7	1320.2	1320.6	1332.0
155°	1399.2	1377.5	1365.6	1361.7	1361.7	1359.7	1361.7	1361.7	1365.6	1377.5	1399.2
157.5°	1473.1	1442.7	1424.9	1415.4	1412.7	1408.3	1412.7	1415.4	1424.9	1442.7	1473.1
160°	1523.7	1490.1	1472.3	1456.5	1450.6	1444.7	1450.6	1456.5	1472.3	1490.1	1523.7
162.5°	1571.2	1539.1	1519.8	1505.6	1499.6	1490.5	1499.6	1505.6	1519.8	1539.1	1571.2
165°	1648.2	1614.6	1592.9	1581.0	1573.1	1565.2	1573.1	1581.0	1592.9	1614.6	1648.2
167.5°	1725.3	1688.6	1674.3	1660.9	1653.4	1639.1	1653.4	1660.9	1674.3	1688.6	1725.3
170°	1772.7	1739.2	1731.2	1719.4	1705.6	1689.7	1705.6	1719.4	1731.2	1739.2	1772.7
172.5°	1813.9	1791.3	1783.4	1771.6	1767.2	1754.6	1767.2	1771.6	1783.4	1791.3	1813.9
175°	1873.5	1855.8	1855.8	1853.8	1847.8	1836.0	1847.8	1853.8	1855.8	1855.8	1873.5
177.5°	1923.3	1913.9	1920.2	1920.2	1918.6	1907.5	1918.6	1920.2	1920.2	1913.9	1923.3
180°	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5



TEST NUMBER: P1427959

CATALOG NUMBER: SQ2W-PH1-K-125U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2958.0	2958.0	2958.0	2958.0
2.5°	2959.5	2979.3	2965.3	2951.3
5°	2902.7	2961.2	2962.4	2963.7
7.5°	2753.5	2832.1	2870.9	2909.6
10°	2656.0	2744.8	2803.6	2862.4
12.5°	2568.1	2665.5	2758.3	2851.1
15°	2441.1	2539.9	2680.0	2820.1
17.5°	2329.1	2416.0	2566.8	2717.7
20°	2267.6	2347.9	2496.8	2645.6
22.5°	2212.0	2283.1	2434.0	2584.8
25°	2112.8	2164.7	2334.8	2504.9
27.5°	2020.6	2054.0	2231.6	2409.2
30°	1959.8	1986.4	2164.0	2341.7
32.5°	1890.0	1909.1	2092.7	2276.4
35°	1800.3	1815.4	2006.7	2198.1
37.5°	1698.8	1705.7	1910.8	2115.9
40°	1626.8	1627.1	1842.3	2057.4
42.5°	1557.7	1564.1	1779.2	1994.4
45°	1443.8	1452.0	1675.9	1899.8
47.5°	1359.8	1361.5	1574.9	1788.3
50°	1308.7	1300.0	1501.4	1702.8
52.5°	1260.0	1236.7	1428.1	1619.5
55°	1184.9	1132.4	1316.3	1500.1
57.5°	1062.2	1025.7	1199.6	1373.5
60°	961.6	956.9	1125.8	1294.7
62.5°	866.3	889.6	1050.5	1211.4
65°	738.3	782.4	928.8	1075.1
67.5°	620.9	670.2	797.8	925.4
70°	545.1	596.7	709.3	821.8
72.5°	465.5	518.4	614.9	711.5
75°	348.1	399.3	476.9	554.5
77.5°	246.2	287.7	344.2	400.8
80°	180.1	218.9	261.4	304.0
82.5°	126.1	150.9	182.4	213.9
85°	60.0	65.7	80.7	95.7
87.5°	22.9	22.6	22.0	21.5
90°	35.6	21.7	13.8	5.9
92.5°	76.7	53.4	37.5	21.7
95°	154.2	122.5	87.0	61.3
97.5°	245.5	194.5	159.3	117.0
100°	294.5	245.1	211.5	166.0
102.5°	348.2	306.7	260.5	215.0
105°	444.7	393.3	339.9	288.5
107.5°	534.0	477.5	413.4	367.2
110°	590.9	529.7	462.5	421.0



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CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	646.3	583.4	514.6	473.1
115°	721.4	652.2	588.9	553.4
117.5°	793.7	722.5	655.7	627.7
120°	838.0	766.8	701.6	679.8
122.5°	874.3	804.8	744.3	735.2
125°	928.9	857.7	806.3	818.2
127.5°	973.1	907.9	875.5	902.0
130°	1000.0	942.7	922.9	960.5
132.5°	1023.7	979.1	970.4	1022.1
135°	1059.3	1033.6	1041.5	1112.7
137.5°	1101.6	1091.7	1118.2	1207.9
140°	1128.5	1134.4	1172.0	1272.7
142.5°	1164.8	1178.7	1227.3	1334.4
145°	1221.4	1251.0	1314.2	1421.0
147.5°	1285.4	1323.7	1402.0	1511.5
150°	1328.1	1377.5	1460.5	1565.2
152.5°	1377.1	1428.1	1511.1	1617.4
155°	1452.6	1509.9	1596.9	1687.8
157.5°	1529.7	1588.2	1671.2	1750.6
160°	1577.1	1640.3	1715.4	1788.6
162.5°	1630.8	1689.3	1755.0	1820.2
165°	1709.5	1756.9	1810.3	1865.6
167.5°	1775.5	1815.0	1856.9	1900.0
170°	1818.2	1849.8	1885.4	1919.0
172.5°	1854.6	1879.9	1906.0	1934.8
175°	1903.2	1917.0	1932.8	1950.6
177.5°	1940.7	1945.5	1950.2	1958.1
180°	1956.5	1956.5	1956.5	1956.5



TEST NUMBER: P1427959
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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	20.62	21.50	21.55	22.45	23.67	19.45	20.33	20.38	21.28	22.50
	3H	22.79	23.59	23.74	24.54	25.79	20.50	21.29	21.44	22.25	23.49
	4H	23.61	24.36	24.56	25.32	26.57	20.74	21.49	21.70	22.45	23.71
	6H	24.08	24.77	25.04	25.73	27.00	20.89	21.58	21.85	22.54	23.81
	8H	24.23	24.89	25.20	25.87	27.13	20.95	21.60	21.92	22.58	23.85
	12H	24.29	24.91	25.27	25.89	27.18	20.96	21.58	21.94	22.56	23.85
4H	2H	21.06	21.81	22.02	22.77	24.02	20.13	20.88	21.09	21.84	23.10
	3H	23.31	23.93	24.28	24.92	26.19	21.37	21.99	22.34	22.98	24.25
	4H	24.18	24.75	25.16	25.74	27.03	21.66	22.23	22.64	23.21	24.50
	6H	24.75	25.23	25.74	26.24	27.53	21.86	22.35	22.85	23.35	24.65
	8H	24.95	25.41	25.94	26.41	27.71	21.95	22.41	22.94	23.41	24.71
	12H	25.03	25.45	26.05	26.46	27.77	21.97	22.39	22.99	23.40	24.71
8H	4H	24.21	24.67	25.20	25.67	26.97	21.89	22.35	22.88	23.35	24.65
	6H	24.84	25.22	25.86	26.26	27.56	22.16	22.54	23.18	23.58	24.88
	8H	25.10	25.43	26.13	26.46	27.79	22.31	22.64	23.33	23.67	24.99
	12H	25.23	25.53	26.27	26.55	27.92	22.37	22.66	23.40	23.69	25.05
12H	4H	24.16	24.57	25.18	25.59	26.90	21.89	22.30	22.90	23.31	24.63
	6H	24.82	25.15	25.84	26.18	27.50	22.19	22.53	23.22	23.55	24.88
	8H	25.09	25.38	26.12	26.40	27.77	22.36	22.65	23.39	23.67	25.04