

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: P1428154

Luminaire Tested: SQ2W-PP3-K-150U-125D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428154
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-125D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE PRISM LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

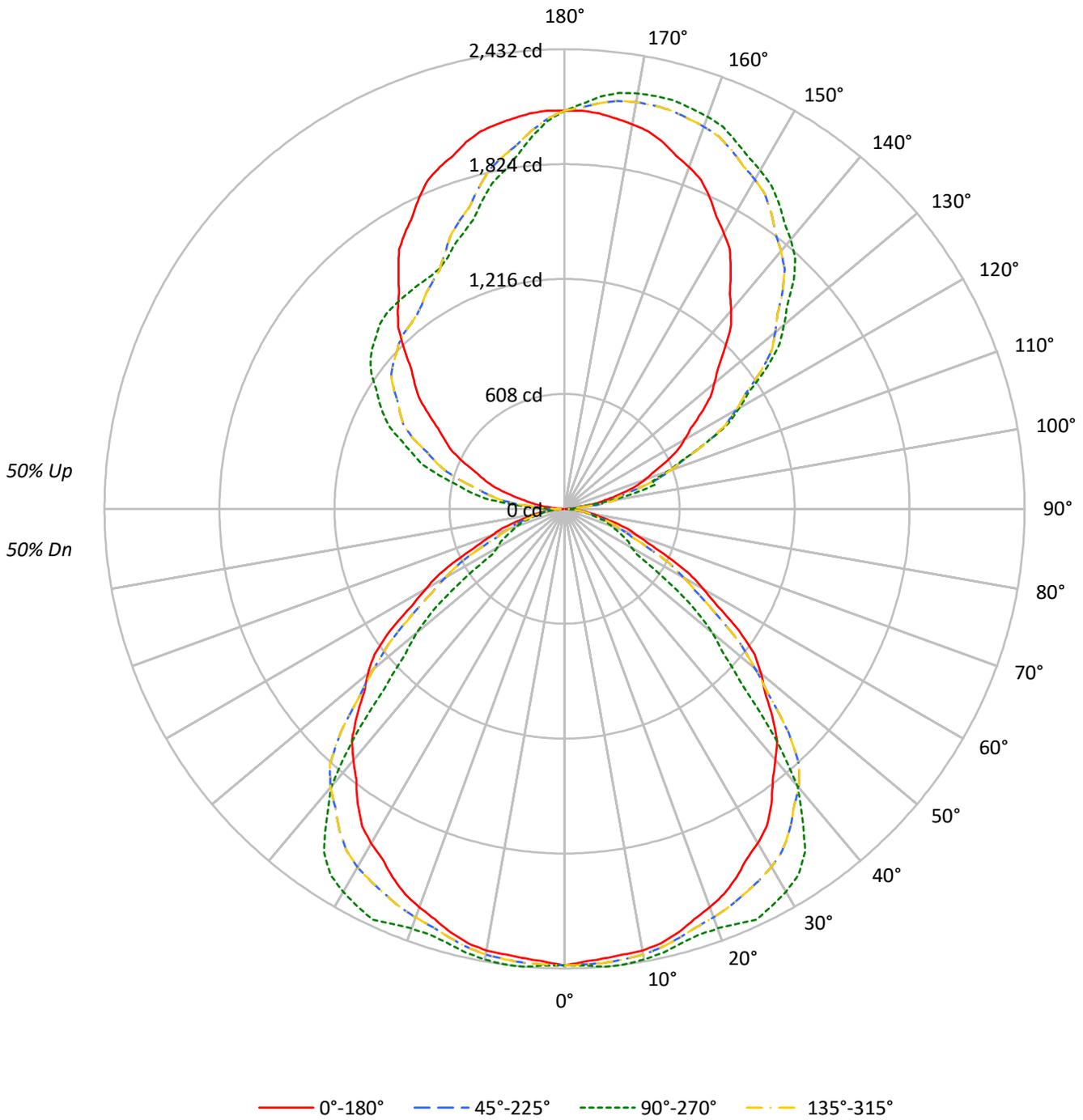
Lumens per Lamp: N/A
Luminaire Lumens: 12245.2 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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	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	90	87	91	87	84	81	74	71	69	62	60	59	50	49	48	43				
2	90	83	77	72	83	77	72	67	65	61	58	55	52	50	45	43	41	37				
3	82	73	66	60	76	68	62	57	58	53	49	49	45	42	40	38	36	32				
4	75	65	57	51	69	60	54	48	52	47	42	44	40	37	36	33	31	28				
5	69	58	50	44	64	54	47	42	46	41	37	39	35	32	33	30	27	24				
6	64	52	44	39	59	49	42	36	42	36	32	36	31	28	30	27	24	21				
7	59	47	39	34	55	44	37	32	38	32	28	32	28	25	27	24	22	19				
8	55	43	35	30	51	40	33	28	35	29	25	30	25	22	25	22	19	17				
9	51	39	32	27	47	37	30	25	32	26	23	27	23	20	23	20	17	15				
10	48	36	29	24	44	34	27	23	29	24	20	25	21	18	21	18	16	14				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	39017	39017	39017	39017
5°	38711	39414	38711	39414
10°	38908	39703	38908	39703
15°	38814	39797	38814	39797
20°	38537	40600	38537	40600
25°	38318	42732	38318	42732
30°	38101	43625	38101	43625
35°	37561	43705	37561	43705
40°	36557	40381	36557	40381
45°	35465	30740	35465	30740
50°	34073	25603	34073	25603
55°	31713	18409	31713	18409
60°	27305	13197	27305	13197
65°	23033	12982	23033	12982
70°	19175	12420	19175	12420
75°	16257	11634	16257	11634
80°	13779	10451	13779	10451
85°	10893	5687	10893	5687

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 38796 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.1	1.9
10°-20°	666.0	5.4
20°-30°	1043.3	8.5
30°-40°	1287.0	10.5
40°-50°	1211.7	9.9
50°-60°	858.0	7.0
60°-70°	488.9	4.0
70°-80°	242.0	2.0
80°-90°	67.9	0.6
90°-100°	167.6	1.4
100°-110°	488.9	4.0
110°-120°	797.8	6.5
120°-130°	1012.4	8.3
130°-140°	1083.3	8.8
140°-150°	1011.5	8.3
150°-160°	832.4	6.8
160°-170°	558.2	4.6
170°-180°	198.2	1.6
0°-30°	1939.4	15.8
0°-40°	3226.5	26.3
0°-60°	5296.2	43.3
0°-90°	6094.9	49.8
90°-120°	1454.3	11.9
90°-150°	4561.5	37.3
90°-180°	6150.0	50.2
0°-180°	12245.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2417	2417	2417	2417	2417	
5°	2388	2432	2388	2432	2388	228
15°	2322	2381	2322	2381	2322	654
25°	2151	2399	2151	2399	2151	991
35°	1906	2217	1906	2217	1906	1188
45°	1553	1346	1553	1346	1553	1196
55°	1127	654	1127	654	1127	994
65°	603	340	603	340	603	605
75°	261	186	261	186	261	282
85°	59	31	59	31	59	69
90°	6	47	6	92	6	8
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°	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6
2.5°	2398.2	2413.7	2429.1	2425.5	2415.5	2411.4	2413.2	2415.0	2416.8	2418.7	2416.8
5°	2388.5	2407.8	2427.1	2424.3	2414.1	2410.1	2412.4	2416.1	2424.0	2431.9	2424.0
7.5°	2379.3	2399.1	2418.8	2416.3	2406.3	2403.2	2407.1	2412.4	2422.2	2431.9	2422.2
10°	2373.2	2390.2	2407.3	2404.7	2395.6	2393.9	2399.6	2405.8	2413.8	2421.7	2413.8
12.5°	2354.8	2370.9	2387.0	2384.9	2376.8	2376.4	2383.9	2391.3	2398.3	2405.4	2398.3
15°	2322.1	2336.9	2351.6	2351.9	2347.4	2350.2	2360.4	2369.5	2375.2	2380.9	2375.2
17.5°	2277.7	2295.6	2313.5	2317.7	2317.2	2324.3	2338.8	2351.2	2357.1	2363.0	2357.1
20°	2242.9	2264.5	2286.1	2293.1	2295.4	2305.6	2323.8	2340.3	2351.6	2363.0	2351.6
22.5°	2206.1	2231.3	2256.5	2265.9	2270.0	2285.7	2312.9	2338.2	2357.7	2377.3	2357.7
25°	2150.9	2175.9	2200.9	2219.1	2235.0	2262.8	2302.5	2339.7	2369.2	2398.7	2369.2
27.5°	2086.6	2111.3	2136.1	2167.3	2200.7	2239.7	2284.5	2323.9	2347.2	2370.6	2347.2
30°	2043.7	2067.5	2091.3	2127.1	2166.8	2210.0	2256.5	2296.8	2318.4	2340.0	2318.4
32.5°	1990.5	2015.3	2040.0	2078.1	2120.5	2166.8	2217.0	2259.6	2279.4	2299.1	2279.4
35°	1905.7	1929.5	1953.4	1997.7	2048.8	2100.4	2152.6	2194.7	2206.0	2217.4	2206.0
37.5°	1808.1	1835.1	1862.2	1911.8	1969.1	2012.3	2041.6	2063.7	2064.4	2065.1	2064.4
40°	1734.5	1769.7	1804.9	1854.6	1909.1	1939.2	1944.9	1945.4	1930.7	1915.9	1930.7
42.5°	1663.0	1708.2	1753.4	1793.3	1831.5	1839.3	1816.8	1783.5	1717.9	1652.3	1717.9
45°	1553.2	1606.5	1659.9	1684.3	1699.1	1649.1	1534.4	1437.1	1391.7	1346.3	1391.7
47.5°	1436.2	1488.9	1541.5	1534.8	1508.2	1432.6	1307.9	1206.6	1175.3	1143.9	1175.3
50°	1356.5	1406.4	1456.4	1420.3	1355.6	1270.5	1164.9	1078.3	1048.8	1019.3	1048.8
52.5°	1266.6	1311.1	1355.6	1301.1	1213.7	1124.0	1032.0	951.8	906.9	861.9	906.9
55°	1126.6	1157.2	1187.9	1128.3	1038.6	939.8	831.9	740.3	697.1	654.0	697.1
57.5°	958.0	979.5	1001.1	954.2	884.5	786.3	659.6	552.5	504.1	455.7	504.1
60°	845.6	862.6	879.6	837.0	774.6	680.9	556.0	456.4	432.6	408.7	432.6
62.5°	743.4	758.6	773.8	729.4	665.2	581.5	478.4	399.0	390.6	382.2	390.6
65°	602.9	617.6	632.4	585.8	518.9	453.6	390.0	342.0	340.9	339.8	340.9
67.5°	479.7	495.9	512.0	468.2	404.4	356.1	323.4	298.5	297.2	295.8	297.2
70°	406.2	423.2	440.2	399.4	339.2	300.0	281.9	267.7	265.4	263.1	265.4
72.5°	344.9	361.0	377.1	341.5	288.6	256.2	244.4	235.2	233.8	232.5	233.8
75°	260.6	273.1	285.5	259.7	221.1	199.0	193.3	188.8	187.6	186.5	187.6
77.5°	189.0	197.0	204.9	188.0	162.8	148.7	145.8	143.3	142.1	141.0	142.1
80°	148.2	151.6	155.0	143.1	126.0	116.9	115.8	114.7	113.5	112.4	113.5
82.5°	111.4	110.2	109.1	102.2	93.3	88.3	87.2	85.8	83.8	81.7	83.8
85°	58.8	56.5	54.2	51.9	49.7	46.3	41.7	37.5	34.1	30.7	34.1
87.5°	19.7	21.4	23.5	21.8	18.5	16.2	15.3	15.1	15.5	15.5	15.5
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°	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6
2.5°	2415.0	2413.2	2411.4	2415.5	2425.5	2429.1	2413.7	2398.2	2413.7	2429.1	2425.5
5°	2416.1	2412.4	2410.1	2414.1	2424.3	2427.1	2407.8	2388.5	2407.8	2427.1	2424.3
7.5°	2412.4	2407.1	2403.2	2406.3	2416.3	2418.8	2399.1	2379.3	2399.1	2418.8	2416.3
10°	2405.8	2399.6	2393.9	2395.6	2404.7	2407.3	2390.2	2373.2	2390.2	2407.3	2404.7
12.5°	2391.3	2383.9	2376.4	2376.8	2384.9	2387.0	2370.9	2354.8	2370.9	2387.0	2384.9
15°	2369.5	2360.4	2350.2	2347.4	2351.9	2351.6	2336.9	2322.1	2336.9	2351.6	2351.9
17.5°	2351.2	2338.8	2324.3	2317.2	2317.7	2313.5	2295.6	2277.7	2295.6	2313.5	2317.7
20°	2340.3	2323.8	2305.6	2295.4	2293.1	2286.1	2264.5	2242.9	2264.5	2286.1	2293.1
22.5°	2338.2	2312.9	2285.7	2270.0	2265.9	2256.5	2231.3	2206.1	2231.3	2256.5	2265.9
25°	2339.7	2302.5	2262.8	2235.0	2219.1	2200.9	2175.9	2150.9	2175.9	2200.9	2219.1
27.5°	2323.9	2284.5	2239.7	2200.7	2167.3	2136.1	2111.3	2086.6	2111.3	2136.1	2167.3
30°	2296.8	2256.5	2210.0	2166.8	2127.1	2091.3	2067.5	2043.7	2067.5	2091.3	2127.1
32.5°	2259.6	2217.0	2166.8	2120.5	2078.1	2040.0	2015.3	1990.5	2015.3	2040.0	2078.1
35°	2194.7	2152.6	2100.4	2048.8	1997.7	1953.4	1929.5	1905.7	1929.5	1953.4	1997.7
37.5°	2063.7	2041.6	2012.3	1969.1	1911.8	1862.2	1835.1	1808.1	1835.1	1862.2	1911.8
40°	1945.4	1944.9	1939.2	1909.1	1854.6	1804.9	1769.7	1734.5	1769.7	1804.9	1854.6
42.5°	1783.5	1816.8	1839.3	1831.5	1793.3	1753.4	1708.2	1663.0	1708.2	1753.4	1793.3
45°	1437.1	1534.4	1649.1	1699.1	1684.3	1659.9	1606.5	1553.2	1606.5	1659.9	1684.3
47.5°	1206.6	1307.9	1432.6	1508.2	1534.8	1541.5	1488.9	1436.2	1488.9	1541.5	1534.8
50°	1078.3	1164.9	1270.5	1355.6	1420.3	1456.4	1406.4	1356.5	1406.4	1456.4	1420.3
52.5°	951.8	1032.0	1124.0	1213.7	1301.1	1355.6	1311.1	1266.6	1311.1	1355.6	1301.1
55°	740.3	831.9	939.8	1038.6	1128.3	1187.9	1157.2	1126.6	1157.2	1187.9	1128.3
57.5°	552.5	659.6	786.3	884.5	954.2	1001.1	979.5	958.0	979.5	1001.1	954.2
60°	456.4	556.0	680.9	774.6	837.0	879.6	862.6	845.6	862.6	879.6	837.0
62.5°	399.0	478.4	581.5	665.2	729.4	773.8	758.6	743.4	758.6	773.8	729.4
65°	342.0	390.0	453.6	518.9	585.8	632.4	617.6	602.9	617.6	632.4	585.8
67.5°	298.5	323.4	356.1	404.4	468.2	512.0	495.9	479.7	495.9	512.0	468.2
70°	267.7	281.9	300.0	339.2	399.4	440.2	423.2	406.2	423.2	440.2	399.4
72.5°	235.2	244.4	256.2	288.6	341.5	377.1	361.0	344.9	361.0	377.1	341.5
75°	188.8	193.3	199.0	221.1	259.7	285.5	273.1	260.6	273.1	285.5	259.7
77.5°	143.3	145.8	148.7	162.8	188.0	204.9	197.0	189.0	197.0	204.9	188.0
80°	114.7	115.8	116.9	126.0	143.1	155.0	151.6	148.2	151.6	155.0	143.1
82.5°	85.8	87.2	88.3	93.3	102.2	109.1	110.2	111.4	110.2	109.1	102.2
85°	37.5	41.7	46.3	49.7	51.9	54.2	56.5	58.8	56.5	54.2	51.9
87.5°	15.1	15.3	16.2	18.5	21.8	23.5	21.4	19.7	21.4	23.1	22.6
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: P1428154

CATALOG NUMBER: SQ2W-PP3-K-150U-125D-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



TEST NUMBER: P1428154

CATALOG NUMBER: SQ2W-PP3-K-150U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6	2416.6
2.5°	2415.5	2411.4	2413.2	2415.0	2416.8	2418.7	2416.8	2415.0	2413.2	2411.4	2415.5
5°	2414.1	2410.1	2412.4	2416.1	2424.0	2431.9	2424.0	2416.1	2412.4	2410.1	2414.1
7.5°	2406.3	2403.2	2407.1	2412.4	2422.2	2431.9	2422.2	2412.4	2407.1	2403.2	2406.3
10°	2395.6	2393.9	2399.6	2405.8	2413.8	2421.7	2413.8	2405.8	2399.6	2393.9	2395.6
12.5°	2376.8	2376.4	2383.9	2391.3	2398.3	2405.4	2398.3	2391.3	2383.9	2376.4	2376.8
15°	2347.4	2350.2	2360.4	2369.5	2375.2	2380.9	2375.2	2369.5	2360.4	2350.2	2347.4
17.5°	2317.2	2324.3	2338.8	2351.2	2357.1	2363.0	2357.1	2351.2	2338.8	2324.3	2317.2
20°	2295.4	2305.6	2323.8	2340.3	2351.6	2363.0	2351.6	2340.3	2323.8	2305.6	2295.4
22.5°	2270.0	2285.7	2312.9	2338.2	2357.7	2377.3	2357.7	2338.2	2312.9	2285.7	2270.0
25°	2235.0	2262.8	2302.5	2339.7	2369.2	2398.7	2369.2	2339.7	2302.5	2262.8	2235.0
27.5°	2200.7	2239.7	2284.5	2323.9	2347.2	2370.6	2347.2	2323.9	2284.5	2239.7	2200.7
30°	2166.8	2210.0	2256.5	2296.8	2318.4	2340.0	2318.4	2296.8	2256.5	2210.0	2166.8
32.5°	2120.5	2166.8	2217.0	2259.6	2279.4	2299.1	2279.4	2259.6	2217.0	2166.8	2120.5
35°	2048.8	2100.4	2152.6	2194.7	2206.0	2217.4	2206.0	2194.7	2152.6	2100.4	2048.8
37.5°	1969.1	2012.3	2041.6	2063.7	2064.4	2065.1	2064.4	2063.7	2041.6	2012.3	1969.1
40°	1909.1	1939.2	1944.9	1945.4	1930.7	1915.9	1930.7	1945.4	1944.9	1939.2	1909.1
42.5°	1831.5	1839.3	1816.8	1783.5	1717.9	1652.3	1717.9	1783.5	1816.8	1839.3	1831.5
45°	1699.1	1649.1	1534.4	1437.1	1391.7	1346.3	1391.7	1437.1	1534.4	1649.1	1699.1
47.5°	1508.2	1432.6	1307.9	1206.6	1175.3	1143.9	1175.3	1206.6	1307.9	1432.6	1508.2
50°	1355.6	1270.5	1164.9	1078.3	1048.8	1019.3	1048.8	1078.3	1164.9	1270.5	1355.6
52.5°	1213.7	1124.0	1032.0	951.8	906.9	861.9	906.9	951.8	1032.0	1124.0	1213.7
55°	1038.6	939.8	831.9	740.3	697.1	654.0	697.1	740.3	831.9	939.8	1038.6
57.5°	884.5	786.3	659.6	552.5	504.1	455.7	504.1	552.5	659.6	786.3	884.5
60°	774.6	680.9	556.0	456.4	432.6	408.7	432.6	456.4	556.0	680.9	774.6
62.5°	665.2	581.5	478.4	399.0	390.6	382.2	390.6	399.0	478.4	581.5	665.2
65°	518.9	453.6	390.0	342.0	340.9	339.8	340.9	342.0	390.0	453.6	518.9
67.5°	404.4	356.1	323.4	298.5	297.2	295.8	297.2	298.5	323.4	356.1	404.4
70°	339.2	300.0	281.9	267.7	265.4	263.1	265.4	267.7	281.9	300.0	339.2
72.5°	288.6	256.2	244.4	235.2	233.8	232.5	233.8	235.2	244.4	256.2	288.6
75°	221.1	199.0	193.3	188.8	187.6	186.5	187.6	188.8	193.3	199.0	221.1
77.5°	162.8	148.7	145.8	143.3	142.1	141.0	142.1	143.3	145.8	148.7	162.8
80°	126.0	116.9	115.8	114.7	113.5	112.4	113.5	114.7	115.8	116.9	126.0
82.5°	93.3	88.3	87.2	85.8	83.8	81.7	83.8	85.8	87.2	88.3	93.3
85°	49.7	46.3	41.7	37.5	34.1	30.7	34.1	37.5	41.7	46.3	49.7
87.5°	20.2	20.5	22.6	23.6	25.3	24.4	25.3	23.6	22.6	20.5	20.2
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: P1428154

CATALOG NUMBER: SQ2W-PP3-K-150U-125D-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: P1428154

CATALOG NUMBER: SQ2W-PP3-K-150U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2416.6	2416.6	2416.6	2416.6
2.5°	2425.5	2429.1	2413.7	2398.2
5°	2424.3	2427.1	2407.8	2388.5
7.5°	2416.3	2418.8	2399.1	2379.3
10°	2404.7	2407.3	2390.2	2373.2
12.5°	2384.9	2387.0	2370.9	2354.8
15°	2351.9	2351.6	2336.9	2322.1
17.5°	2317.7	2313.5	2295.6	2277.7
20°	2293.1	2286.1	2264.5	2242.9
22.5°	2265.9	2256.5	2231.3	2206.1
25°	2219.1	2200.9	2175.9	2150.9
27.5°	2167.3	2136.1	2111.3	2086.6
30°	2127.1	2091.3	2067.5	2043.7
32.5°	2078.1	2040.0	2015.3	1990.5
35°	1997.7	1953.4	1929.5	1905.7
37.5°	1911.8	1862.2	1835.1	1808.1
40°	1854.6	1804.9	1769.7	1734.5
42.5°	1793.3	1753.4	1708.2	1663.0
45°	1684.3	1659.9	1606.5	1553.2
47.5°	1534.8	1541.5	1488.9	1436.2
50°	1420.3	1456.4	1406.4	1356.5
52.5°	1301.1	1355.6	1311.1	1266.6
55°	1128.3	1187.9	1157.2	1126.6
57.5°	954.2	1001.1	979.5	958.0
60°	837.0	879.6	862.6	845.6
62.5°	729.4	773.8	758.6	743.4
65°	585.8	632.4	617.6	602.9
67.5°	468.2	512.0	495.9	479.7
70°	399.4	440.2	423.2	406.2
72.5°	341.5	377.1	361.0	344.9
75°	259.7	285.5	273.1	260.6
77.5°	188.0	204.9	197.0	189.0
80°	143.1	155.0	151.6	148.2
82.5°	102.2	109.1	110.2	111.4
85°	51.9	54.2	56.5	58.8
87.5°	22.6	23.1	21.4	19.7
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



TEST NUMBER: P1428154

CATALOG NUMBER: SQ2W-PP3-K-150U-125D-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: P1428154
 CATALOG NUMBER: SQ2W-PP3-K-150U-125D-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	20.16	20.99	21.13	21.97	23.24	15.93	16.76	16.90	17.74	19.01
	3H	21.22	21.96	22.20	22.94	24.24	17.24	17.98	18.22	18.97	20.26
	4H	21.59	22.29	22.58	23.27	24.58	17.80	18.49	18.79	19.48	20.79
	6H	21.78	22.42	22.78	23.42	24.74	18.16	18.80	19.16	19.79	21.11
	8H	21.84	22.45	22.85	23.46	24.78	18.29	18.90	19.29	19.91	21.22
	12H	21.86	22.44	22.87	23.45	24.79	18.32	18.90	19.33	19.90	21.25
4H	2H	20.28	20.98	21.27	21.96	23.27	16.84	17.54	17.84	18.53	19.83
	3H	21.57	22.15	22.57	23.16	24.49	18.26	18.84	19.26	19.86	21.18
	4H	22.07	22.60	23.09	23.61	24.96	18.88	19.41	19.89	20.42	21.76
	6H	22.39	22.84	23.41	23.88	25.22	19.32	19.78	20.35	20.81	22.15
	8H	22.50	22.92	23.52	23.95	25.30	19.49	19.92	20.52	20.94	22.30
	12H	22.54	22.92	23.58	23.96	25.33	19.54	19.92	20.58	20.96	22.33
8H	4H	22.09	22.52	23.12	23.54	24.90	19.18	19.61	20.21	20.64	21.99
	6H	22.50	22.85	23.55	23.92	25.28	19.74	20.09	20.79	21.16	22.52
	8H	22.68	22.99	23.74	24.05	25.42	19.99	20.30	21.05	21.35	22.73
	12H	22.78	23.05	23.84	24.10	25.52	20.09	20.36	21.15	21.41	22.83
12H	4H	22.05	22.43	23.09	23.47	24.84	19.20	19.58	20.24	20.62	21.98
	6H	22.50	22.80	23.55	23.86	25.23	19.81	20.12	20.87	21.17	22.54
	8H	22.69	22.96	23.75	24.01	25.43	20.08	20.35	21.14	21.40	22.82