

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: P1428460

Luminaire Tested: SQ2W-PW1-K-125U-100D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428460
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PW1-K-125U-100D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE WAVES LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

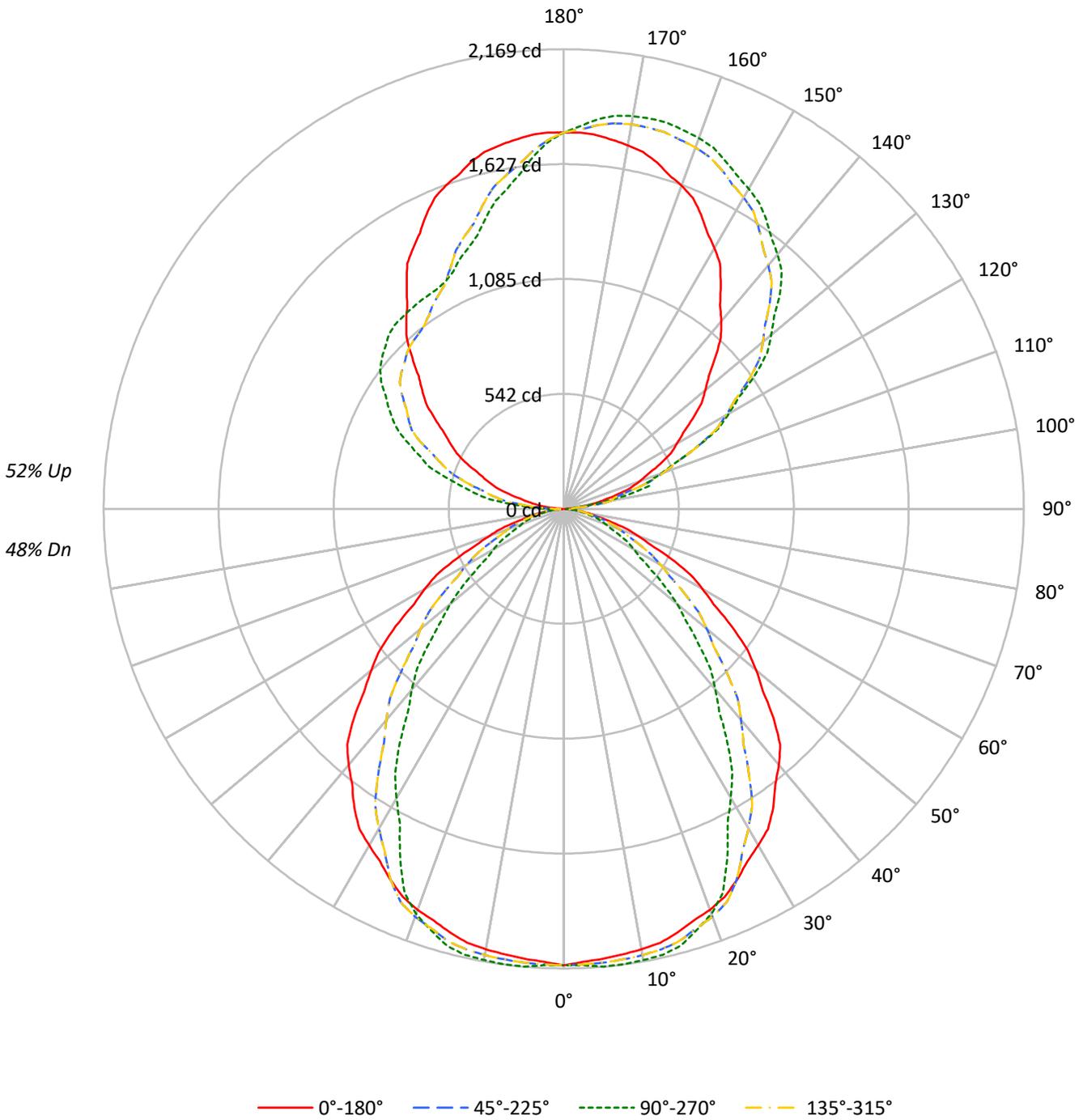
Lumens per Lamp: N/A
Luminaire Lumens: 9972.5 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 81.6
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

TEST NUMBER: P1428460

CATALOG NUMBER: SQ2W-PW1-K-125U-100D-L940-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1428460

CATALOG NUMBER: SQ2W-PW1-K-125U-100D-L940-UNV-STD-W-WM-4

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	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48	48	
1	98	94	90	87	90	87	83	81	73	71	69	60	59	57	49	48	47	42	42	42	42	
2	90	83	77	72	82	76	71	67	64	61	58	54	51	49	44	42	40	36	36	36	36	
3	82	73	66	60	75	68	61	57	57	53	49	48	45	42	39	37	35	31	31	31	31	
4	75	65	57	52	69	60	54	48	51	46	42	43	39	36	35	33	31	27	27	27	27	
5	69	58	50	44	64	54	47	42	46	41	37	39	35	32	32	29	27	24	24	24	24	
6	64	52	44	39	59	49	42	37	42	36	32	35	31	28	29	26	24	21	21	21	21	
7	59	47	40	34	55	44	37	32	38	33	29	32	28	25	27	24	21	19	19	19	19	
8	55	43	36	30	51	40	33	29	35	29	26	30	25	22	25	22	19	17	17	17	17	
9	51	39	32	27	47	37	30	26	32	27	23	27	23	20	23	20	18	15	15	15	15	
10	48	36	29	24	44	34	28	23	29	24	21	25	21	18	21	18	16	14	14	14	14	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	34781	34781	34781	34781
5°	34547	35147	34547	35147
10°	34611	35452	34611	35452
15°	34602	35665	34602	35665
20°	34616	34968	34616	34968
25°	34429	32492	34429	32492
30°	34194	29374	34194	29374
35°	33927	26528	33927	26528
40°	33252	23437	33252	23437
45°	31948	20472	31948	20472
50°	29735	17520	29735	17520
55°	27200	14207	27200	14207
60°	24380	12254	24380	12254
65°	21318	10896	21318	10896
70°	17433	9880	17433	9880
75°	13568	9089	13568	9089
80°	10107	8015	10107	8015
85°	6836	4557	6836	4557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 31948 cd/sqm



TEST NUMBER: P1428460

CATALOG NUMBER: SQ2W-PW1-K-125U-100D-L940-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.1	2.1
10°-20°	594.4	6.0
20°-30°	874.7	8.8
30°-40°	956.3	9.6
40°-50°	857.9	8.6
50°-60°	639.9	6.4
60°-70°	404.5	4.1
70°-80°	200.4	2.0
80°-90°	54.2	0.5
90°-100°	141.3	1.4
100°-110°	412.2	4.1
110°-120°	672.6	6.7
120°-130°	853.5	8.6
130°-140°	913.3	9.2
140°-150°	852.8	8.6
150°-160°	701.7	7.0
160°-170°	470.6	4.7
170°-180°	167.1	1.7
0°-30°	1674.1	16.8
0°-40°	2630.5	26.4
0°-60°	4128.3	41.4
0°-90°	4787.4	48.0
90°-120°	1226.1	12.3
90°-150°	3845.7	38.6
90°-180°	5185.0	52.0
0°-180°	9972.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2154	2154	2154	2154	2154	
5°	2132	2169	2132	2169	2132	203
15°	2070	2134	2070	2134	2070	584
25°	1933	1824	1933	1824	1933	890
35°	1721	1346	1721	1346	1721	1074
45°	1399	897	1399	897	1399	1073
55°	966	505	966	505	966	863
65°	558	285	558	285	558	553
75°	218	146	218	146	218	240
85°	37	25	37	25	37	47
90°	5	40	5	77	5	6
95°	56	41	56	242	56	67
105°	262	420	262	578	262	279
115°	502	696	502	857	502	495
125°	743	1103	743	1051	743	664
135°	1010	1444	1010	1164	1010	780
145°	1290	1665	1290	1189	1290	807
155°	1532	1808	1532	1234	1532	704
165°	1693	1885	1693	1421	1693	477
175°	1770	1846	1770	1666	1770	168
180°	1776	1776	1776	1776	1776	



TEST NUMBER: P1428460

CATALOG NUMBER: SQ2W-PW1-K-125U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2
2.5°	2139.4	2151.8	2164.2	2161.3	2153.3	2149.6	2150.4	2151.5	2153.6	2155.8	2153.6
5°	2131.6	2147.1	2162.6	2160.3	2152.1	2148.5	2149.4	2152.1	2160.3	2168.6	2160.3
7.5°	2121.0	2136.6	2152.3	2151.6	2145.4	2143.8	2146.9	2151.3	2159.3	2167.3	2159.3
10°	2111.1	2127.5	2143.9	2143.9	2138.5	2138.0	2142.6	2147.8	2155.1	2162.4	2155.1
12.5°	2098.0	2115.1	2132.3	2133.5	2129.5	2130.2	2135.5	2141.2	2148.5	2155.8	2148.5
15°	2070.1	2088.3	2106.6	2110.4	2109.5	2112.3	2118.6	2124.6	2129.1	2133.7	2129.1
17.5°	2037.7	2055.9	2074.1	2077.7	2076.5	2076.6	2078.3	2080.1	2082.3	2084.4	2082.3
20°	2014.7	2032.9	2051.2	2053.7	2050.9	2046.4	2040.0	2035.2	2035.2	2035.2	2035.2
22.5°	1981.9	2001.6	2021.3	2021.4	2015.0	2003.2	1985.8	1971.4	1965.5	1959.7	1965.5
25°	1932.6	1951.8	1970.9	1962.0	1943.8	1916.9	1881.3	1851.2	1837.6	1823.9	1837.6
27.5°	1875.2	1890.7	1906.2	1883.0	1846.9	1803.6	1753.0	1710.4	1691.4	1672.5	1691.4
30°	1834.1	1846.0	1857.9	1821.1	1768.3	1714.0	1658.4	1612.1	1593.9	1575.6	1593.9
32.5°	1791.5	1796.0	1800.6	1752.2	1686.2	1624.3	1566.5	1518.2	1498.5	1478.8	1498.5
35°	1721.3	1713.1	1704.9	1640.6	1557.6	1487.0	1428.6	1380.5	1363.2	1345.9	1363.2
37.5°	1638.4	1614.0	1589.5	1517.1	1428.7	1353.9	1292.8	1242.2	1223.0	1203.9	1223.0
40°	1577.7	1543.0	1508.4	1430.7	1338.6	1262.0	1200.9	1150.3	1131.1	1112.0	1131.1
42.5°	1510.4	1467.0	1423.6	1343.7	1251.6	1175.0	1113.9	1063.1	1043.2	1023.3	1043.2
45°	1399.2	1348.1	1297.1	1213.9	1120.0	1043.4	984.1	934.9	915.7	896.6	915.7
47.5°	1274.1	1223.4	1172.7	1089.7	995.9	920.4	862.9	815.7	799.3	782.9	799.3
50°	1183.8	1134.5	1085.3	1006.0	916.6	843.2	785.8	737.7	717.6	697.5	717.6
52.5°	1091.9	1047.7	1003.6	927.2	840.0	767.0	708.1	657.1	629.7	602.4	629.7
55°	966.3	924.4	882.4	810.4	728.3	654.5	588.8	535.7	520.2	504.7	520.2
57.5°	837.1	800.8	764.5	699.7	625.5	558.6	499.0	451.0	438.3	425.5	438.3
60°	755.0	723.1	691.2	629.2	557.1	496.0	445.9	405.1	392.3	379.5	392.3
62.5°	676.2	647.9	619.7	560.2	490.4	435.5	395.6	363.0	352.4	341.8	352.4
65°	558.0	537.1	516.1	467.1	408.7	363.1	330.3	303.4	294.3	285.2	294.3
67.5°	443.1	431.5	419.8	383.1	338.1	301.1	272.3	249.2	243.2	237.2	243.2
70°	369.3	365.6	362.0	331.7	292.5	261.0	237.3	218.4	213.8	209.3	213.8
72.5°	305.3	306.7	308.2	283.0	248.9	222.5	203.9	189.2	186.1	183.0	186.1
75°	217.5	224.8	232.1	215.4	190.8	172.1	159.3	149.3	147.5	145.7	147.5
77.5°	148.1	159.1	170.0	159.2	141.2	127.4	117.9	110.4	109.0	107.5	109.0
80°	108.7	119.7	130.6	123.1	109.4	98.9	91.6	86.2	86.2	86.2	86.2
82.5°	75.9	84.7	93.4	88.1	78.1	71.2	67.6	64.8	64.8	64.8	64.8
85°	36.9	41.5	46.0	44.5	40.8	36.2	30.8	26.4	25.5	24.6	25.5
87.5°	10.9	14.5	18.5	17.8	15.2	13.4	12.6	12.5	12.8	12.8	12.8
90°	5.4	12.6	21.5	28.7	34.1	35.9	35.9	37.7	39.5	39.5	39.5
92.5°	19.7	31.2	31.6	31.6	38.4	41.6	44.5	44.8	46.6	46.6	46.6
95°	55.6	61.0	91.5	89.7	61.0	48.4	41.3	41.3	41.3	41.3	41.3
97.5°	106.2	114.1	119.1	159.6	168.6	162.9	132.7	111.6	99.7	94.4	99.7
100°	150.7	154.3	165.0	166.8	211.7	254.7	233.2	206.3	197.3	191.9	197.3
102.5°	195.2	197.3	213.8	221.4	231.8	256.2	330.8	322.5	316.4	315.3	316.4
105°	261.9	263.7	294.2	308.5	315.7	315.7	313.9	349.8	407.2	419.7	407.2
107.5°	333.3	341.5	377.4	415.8	424.0	426.2	416.9	411.5	409.3	410.8	409.3
110°	382.1	394.6	437.7	486.1	498.7	502.3	498.7	493.3	489.7	489.7	489.7



TEST NUMBER: P1428460

CATALOG NUMBER: SQ2W-PW1-K-125U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1428460

CATALOG NUMBER: SQ2W-PW1-K-125U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2
2.5°	2151.5	2150.4	2149.6	2153.3	2161.3	2164.2	2151.8	2139.4	2151.8	2164.2	2161.3
5°	2152.1	2149.4	2148.5	2152.1	2160.3	2162.6	2147.1	2131.6	2147.1	2162.6	2160.3
7.5°	2151.3	2146.9	2143.8	2145.4	2151.6	2152.3	2136.6	2121.0	2136.6	2152.3	2151.6
10°	2147.8	2142.6	2138.0	2138.5	2143.9	2143.9	2127.5	2111.1	2127.5	2143.9	2143.9
12.5°	2141.2	2135.5	2130.2	2129.5	2133.5	2132.3	2115.1	2098.0	2115.1	2132.3	2133.5
15°	2124.6	2118.6	2112.3	2109.5	2110.4	2106.6	2088.3	2070.1	2088.3	2106.6	2110.4
17.5°	2080.1	2078.3	2076.6	2076.5	2077.7	2074.1	2055.9	2037.7	2055.9	2074.1	2077.7
20°	2035.2	2040.0	2046.4	2050.9	2053.7	2051.2	2032.9	2014.7	2032.9	2051.2	2053.7
22.5°	1971.4	1985.8	2003.2	2015.0	2021.4	2021.3	2001.6	1981.9	2001.6	2021.3	2021.4
25°	1851.2	1881.3	1916.9	1943.8	1962.0	1970.9	1951.8	1932.6	1951.8	1970.9	1962.0
27.5°	1710.4	1753.0	1803.6	1846.9	1883.0	1906.2	1890.7	1875.2	1890.7	1906.2	1883.0
30°	1612.1	1658.4	1714.0	1768.3	1821.1	1857.9	1846.0	1834.1	1846.0	1857.9	1821.1
32.5°	1518.2	1566.5	1624.3	1686.2	1752.2	1800.6	1796.0	1791.5	1796.0	1800.6	1752.2
35°	1380.5	1428.6	1487.0	1557.6	1640.6	1704.9	1713.1	1721.3	1713.1	1704.9	1640.6
37.5°	1242.2	1292.8	1353.9	1428.7	1517.1	1589.5	1614.0	1638.4	1614.0	1589.5	1517.1
40°	1150.3	1200.9	1262.0	1338.6	1430.7	1508.4	1543.0	1577.7	1543.0	1508.4	1430.7
42.5°	1063.1	1113.9	1175.0	1251.6	1343.7	1423.6	1467.0	1510.4	1467.0	1423.6	1343.7
45°	934.9	984.1	1043.4	1120.0	1213.9	1297.1	1348.1	1399.2	1348.1	1297.1	1213.9
47.5°	815.7	862.9	920.4	995.9	1089.7	1172.7	1223.4	1274.1	1223.4	1172.7	1089.7
50°	737.7	785.8	843.2	916.6	1006.0	1085.3	1134.5	1183.8	1134.5	1085.3	1006.0
52.5°	657.1	708.1	767.0	840.0	927.2	1003.6	1047.7	1091.9	1047.7	1003.6	927.2
55°	535.7	588.8	654.5	728.3	810.4	882.4	924.4	966.3	924.4	882.4	810.4
57.5°	451.0	499.0	558.6	625.5	699.7	764.5	800.8	837.1	800.8	764.5	699.7
60°	405.1	445.9	496.0	557.1	629.2	691.2	723.1	755.0	723.1	691.2	629.2
62.5°	363.0	395.6	435.5	490.4	560.2	619.7	647.9	676.2	647.9	619.7	560.2
65°	303.4	330.3	363.1	408.7	467.1	516.1	537.1	558.0	537.1	516.1	467.1
67.5°	249.2	272.3	301.1	338.1	383.1	419.8	431.5	443.1	431.5	419.8	383.1
70°	218.4	237.3	261.0	292.5	331.7	362.0	365.6	369.3	365.6	362.0	331.7
72.5°	189.2	203.9	222.5	248.9	283.0	308.2	306.7	305.3	306.7	308.2	283.0
75°	149.3	159.3	172.1	190.8	215.4	232.1	224.8	217.5	224.8	232.1	215.4
77.5°	110.4	117.9	127.4	141.2	159.2	170.0	159.1	148.1	159.1	170.0	159.2
80°	86.2	91.6	98.9	109.4	123.1	130.6	119.7	108.7	119.7	130.6	123.1
82.5°	64.8	67.6	71.2	78.1	88.1	93.4	84.7	75.9	84.7	93.4	88.1
85°	26.4	30.8	36.2	40.8	44.5	46.0	41.5	36.9	41.5	46.0	44.5
87.5°	12.5	12.6	13.4	15.2	17.8	18.5	14.5	10.9	14.5	18.2	18.5
90°	37.7	35.9	35.9	34.1	28.7	21.5	12.6	5.4	12.6	19.7	32.3
92.5°	44.8	44.5	41.6	38.4	31.6	31.6	31.2	19.7	34.1	48.4	69.6
95°	41.3	41.3	48.4	61.0	89.7	91.5	61.0	55.6	78.9	111.2	139.9
97.5°	111.6	132.7	162.9	168.6	159.6	119.1	114.1	106.2	144.6	176.5	222.8
100°	206.3	233.2	254.7	211.7	166.8	165.0	154.3	150.7	191.9	222.4	267.3
102.5°	322.5	330.8	256.2	231.8	221.4	213.8	197.3	195.2	236.4	278.4	316.1
105°	349.8	313.9	315.7	315.7	308.5	294.2	263.7	261.9	308.5	357.0	403.6
107.5°	411.5	416.9	426.2	424.0	415.8	377.4	341.5	333.3	375.3	433.4	484.7
110°	493.3	498.7	502.3	498.7	486.1	437.7	394.6	382.1	419.7	480.7	536.3



TEST NUMBER: P1428460

CATALOG NUMBER: SQ2W-PW1-K-125U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1428460

CATALOG NUMBER: SQ2W-PW1-K-125U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2	2154.2
2.5°	2153.3	2149.6	2150.4	2151.5	2153.6	2155.8	2153.6	2151.5	2150.4	2149.6	2153.3
5°	2152.1	2148.5	2149.4	2152.1	2160.3	2168.6	2160.3	2152.1	2149.4	2148.5	2152.1
7.5°	2145.4	2143.8	2146.9	2151.3	2159.3	2167.3	2159.3	2151.3	2146.9	2143.8	2145.4
10°	2138.5	2138.0	2142.6	2147.8	2155.1	2162.4	2155.1	2147.8	2142.6	2138.0	2138.5
12.5°	2129.5	2130.2	2135.5	2141.2	2148.5	2155.8	2148.5	2141.2	2135.5	2130.2	2129.5
15°	2109.5	2112.3	2118.6	2124.6	2129.1	2133.7	2129.1	2124.6	2118.6	2112.3	2109.5
17.5°	2076.5	2076.6	2078.3	2080.1	2082.3	2084.4	2082.3	2080.1	2078.3	2076.6	2076.5
20°	2050.9	2046.4	2040.0	2035.2	2035.2	2035.2	2035.2	2035.2	2040.0	2046.4	2050.9
22.5°	2015.0	2003.2	1985.8	1971.4	1965.5	1959.7	1965.5	1971.4	1985.8	2003.2	2015.0
25°	1943.8	1916.9	1881.3	1851.2	1837.6	1823.9	1837.6	1851.2	1881.3	1916.9	1943.8
27.5°	1846.9	1803.6	1753.0	1710.4	1691.4	1672.5	1691.4	1710.4	1753.0	1803.6	1846.9
30°	1768.3	1714.0	1658.4	1612.1	1593.9	1575.6	1593.9	1612.1	1658.4	1714.0	1768.3
32.5°	1686.2	1624.3	1566.5	1518.2	1498.5	1478.8	1498.5	1518.2	1566.5	1624.3	1686.2
35°	1557.6	1487.0	1428.6	1380.5	1363.2	1345.9	1363.2	1380.5	1428.6	1487.0	1557.6
37.5°	1428.7	1353.9	1292.8	1242.2	1223.0	1203.9	1223.0	1242.2	1292.8	1353.9	1428.7
40°	1338.6	1262.0	1200.9	1150.3	1131.1	1112.0	1131.1	1150.3	1200.9	1262.0	1338.6
42.5°	1251.6	1175.0	1113.9	1063.1	1043.2	1023.3	1043.2	1063.1	1113.9	1175.0	1251.6
45°	1120.0	1043.4	984.1	934.9	915.7	896.6	915.7	934.9	984.1	1043.4	1120.0
47.5°	995.9	920.4	862.9	815.7	799.3	782.9	799.3	815.7	862.9	920.4	995.9
50°	916.6	843.2	785.8	737.7	717.6	697.5	717.6	737.7	785.8	843.2	916.6
52.5°	840.0	767.0	708.1	657.1	629.7	602.4	629.7	657.1	708.1	767.0	840.0
55°	728.3	654.5	588.8	535.7	520.2	504.7	520.2	535.7	588.8	654.5	728.3
57.5°	625.5	558.6	499.0	451.0	438.3	425.5	438.3	451.0	499.0	558.6	625.5
60°	557.1	496.0	445.9	405.1	392.3	379.5	392.3	405.1	445.9	496.0	557.1
62.5°	490.4	435.5	395.6	363.0	352.4	341.8	352.4	363.0	395.6	435.5	490.4
65°	408.7	363.1	330.3	303.4	294.3	285.2	294.3	303.4	330.3	363.1	408.7
67.5°	338.1	301.1	272.3	249.2	243.2	237.2	243.2	249.2	272.3	301.1	338.1
70°	292.5	261.0	237.3	218.4	213.8	209.3	213.8	218.4	237.3	261.0	292.5
72.5°	248.9	222.5	203.9	189.2	186.1	183.0	186.1	189.2	203.9	222.5	248.9
75°	190.8	172.1	159.3	149.3	147.5	145.7	147.5	149.3	159.3	172.1	190.8
77.5°	141.2	127.4	117.9	110.4	109.0	107.5	109.0	110.4	117.9	127.4	141.2
80°	109.4	98.9	91.6	86.2	86.2	86.2	86.2	86.2	91.6	98.9	109.4
82.5°	78.1	71.2	67.6	64.8	64.8	64.8	64.8	64.8	67.6	71.2	78.1
85°	40.8	36.2	30.8	26.4	25.5	24.6	25.5	26.4	30.8	36.2	40.8
87.5°	16.6	17.0	18.7	19.6	21.1	20.4	21.1	19.6	18.7	17.0	16.6
90°	41.3	53.8	66.4	73.5	80.7	77.1	80.7	73.5	66.4	53.8	41.3
92.5°	82.9	104.0	119.5	132.4	138.1	137.4	138.1	132.4	119.5	104.0	82.9
95°	166.8	191.9	217.0	235.0	245.7	242.2	245.7	235.0	217.0	191.9	166.8
97.5°	257.2	291.0	318.9	335.8	346.6	353.7	346.6	335.8	318.9	291.0	257.2
100°	317.5	349.8	382.1	401.8	419.7	426.9	419.7	401.8	382.1	349.8	317.5
102.5°	366.3	408.6	443.8	464.9	480.0	487.2	480.0	464.9	443.8	408.6	366.3
105°	446.7	491.5	529.2	556.1	572.2	577.6	572.2	556.1	529.2	491.5	446.7
107.5°	527.0	573.3	608.1	637.9	657.6	669.1	657.6	637.9	608.1	573.3	527.0
110°	590.2	627.8	665.5	692.4	712.1	719.3	712.1	692.4	665.5	627.8	590.2



TEST NUMBER: P1428460

CATALOG NUMBER: SQ2W-PW1-K-125U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1428460

CATALOG NUMBER: SQ2W-PW1-K-125U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2154.2	2154.2	2154.2	2154.2
2.5°	2161.3	2164.2	2151.8	2139.4
5°	2160.3	2162.6	2147.1	2131.6
7.5°	2151.6	2152.3	2136.6	2121.0
10°	2143.9	2143.9	2127.5	2111.1
12.5°	2133.5	2132.3	2115.1	2098.0
15°	2110.4	2106.6	2088.3	2070.1
17.5°	2077.7	2074.1	2055.9	2037.7
20°	2053.7	2051.2	2032.9	2014.7
22.5°	2021.4	2021.3	2001.6	1981.9
25°	1962.0	1970.9	1951.8	1932.6
27.5°	1883.0	1906.2	1890.7	1875.2
30°	1821.1	1857.9	1846.0	1834.1
32.5°	1752.2	1800.6	1796.0	1791.5
35°	1640.6	1704.9	1713.1	1721.3
37.5°	1517.1	1589.5	1614.0	1638.4
40°	1430.7	1508.4	1543.0	1577.7
42.5°	1343.7	1423.6	1467.0	1510.4
45°	1213.9	1297.1	1348.1	1399.2
47.5°	1089.7	1172.7	1223.4	1274.1
50°	1006.0	1085.3	1134.5	1183.8
52.5°	927.2	1003.6	1047.7	1091.9
55°	810.4	882.4	924.4	966.3
57.5°	699.7	764.5	800.8	837.1
60°	629.2	691.2	723.1	755.0
62.5°	560.2	619.7	647.9	676.2
65°	467.1	516.1	537.1	558.0
67.5°	383.1	419.8	431.5	443.1
70°	331.7	362.0	365.6	369.3
72.5°	283.0	308.2	306.7	305.3
75°	215.4	232.1	224.8	217.5
77.5°	159.2	170.0	159.1	148.1
80°	123.1	130.6	119.7	108.7
82.5°	88.1	93.4	84.7	75.9
85°	44.5	46.0	41.5	36.9
87.5°	18.5	18.2	14.5	10.9
90°	32.3	19.7	12.6	5.4
92.5°	69.6	48.4	34.1	19.7
95°	139.9	111.2	78.9	55.6
97.5°	222.8	176.5	144.6	106.2
100°	267.3	222.4	191.9	150.7
102.5°	316.1	278.4	236.4	195.2
105°	403.6	357.0	308.5	261.9
107.5°	484.7	433.4	375.3	333.3
110°	536.3	480.7	419.7	382.1



TEST NUMBER: P1428460

CATALOG NUMBER: SQ2W-PW1-K-125U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1428460
 CATALOG NUMBER: SQ2W-PW1-K-125U-100D-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	19.05	19.86	20.04	20.85	22.15	15.30	16.11	16.28	17.10	18.40
	3H	20.35	21.07	21.34	22.07	23.40	16.57	17.29	17.56	18.29	19.61
	4H	20.76	21.44	21.76	22.44	23.78	17.07	17.75	18.08	18.76	20.09
	6H	20.94	21.56	21.95	22.57	23.91	17.38	18.01	18.39	19.01	20.36
	8H	20.98	21.57	22.00	22.60	23.94	17.49	18.09	18.51	19.11	20.45
	12H	20.98	21.54	22.00	22.56	23.92	17.52	18.09	18.54	19.10	20.47
4H	2H	19.18	19.86	20.19	20.86	22.20	16.11	16.79	17.12	17.79	19.12
	3H	20.71	21.28	21.73	22.31	23.66	17.55	18.11	18.57	19.14	20.49
	4H	21.26	21.78	22.29	22.80	24.17	18.12	18.64	19.15	19.66	21.03
	6H	21.57	22.01	22.61	23.06	24.42	18.51	18.95	19.54	20.00	21.36
	8H	21.66	22.07	22.70	23.11	24.49	18.65	19.07	19.69	20.11	21.49
	12H	21.68	22.05	22.73	23.10	24.49	18.69	19.07	19.75	20.12	21.51
8H	4H	21.29	21.71	22.33	22.75	24.13	18.46	18.88	19.50	19.92	21.30
	6H	21.71	22.06	22.78	23.14	24.51	18.95	19.30	20.02	20.38	21.76
	8H	21.88	22.18	22.95	23.25	24.65	19.17	19.47	20.24	20.54	21.94
	12H	21.96	22.22	23.03	23.28	24.72	19.25	19.52	20.33	20.58	22.02
12H	4H	21.25	21.62	22.31	22.68	24.06	18.48	18.85	19.54	19.91	21.29
	6H	21.71	22.01	22.78	23.07	24.47	19.03	19.33	20.10	20.40	21.79
	8H	21.89	22.16	22.97	23.22	24.66	19.27	19.54	20.34	20.60	22.03