

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: P1427817

Luminaire Tested: SQ2W-F-K-150U-125D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427817
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-F-K-150U-125D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

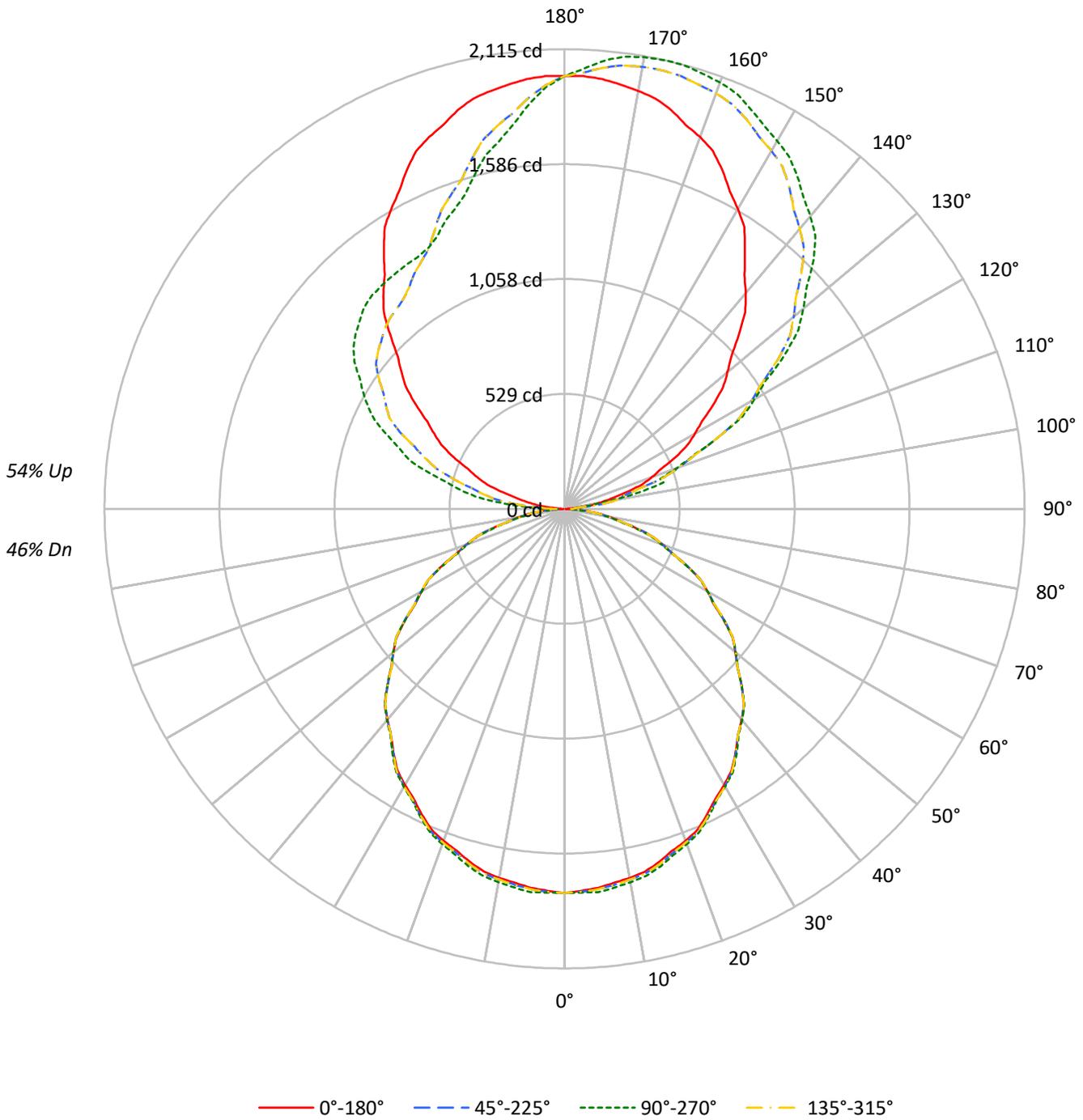
Lumens per Lamp: N/A
Luminaire Lumens: 10798.8 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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

TEST NUMBER: P1427817

CATALOG NUMBER: SQ2W-F-K-150U-125D-L935-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1427817

CATALOG NUMBER: SQ2W-F-K-150U-125D-L935-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	106	106	106	106	97	97	97	97	81	81	81	66	66	66	53	53	53	46				46
1	97	92	88	85	89	85	82	79	71	69	66	58	56	55	46	45	44				39	
2	88	80	74	69	80	74	69	64	62	58	55	51	48	46	40	39	37				32	
3	80	71	63	57	73	65	59	53	54	50	46	45	41	38	36	33	31				27	
4	73	62	54	48	67	57	51	45	48	43	39	40	36	33	32	29	27				23	
5	67	55	47	41	61	51	44	39	43	38	33	36	31	28	29	26	23				20	
6	62	50	42	36	56	46	39	33	39	33	29	32	28	25	26	23	20				17	
7	57	45	37	31	52	41	34	29	35	30	25	29	25	22	24	20	18				15	
8	53	41	33	27	48	38	31	26	32	26	23	27	22	19	22	18	16				14	
9	49	37	29	24	45	34	28	23	29	24	20	24	20	17	20	17	14				12	
10	46	34	27	22	42	31	25	21	27	22	18	23	18	16	18	15	13				11	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	28547	28547	28547	28547
5°	28374	28697	28374	28697
10°	28273	28600	28273	28600
15°	28118	28473	28118	28473
20°	27941	28219	27941	28219
25°	27639	27883	27639	27883
30°	27346	27532	27346	27532
35°	26997	27168	26997	27168
40°	26689	26769	26689	26769
45°	26299	26299	26299	26299
50°	25771	25834	25771	25834
55°	25165	25202	25165	25202
60°	24486	24486	24486	24486
65°	23690	23595	23690	23595
70°	22569	22338	22569	22338
75°	21048	20586	21048	20586
80°	18754	17833	18754	17833
85°	14987	12690	14987	12690

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 26475 cd/sqm



TEST NUMBER: P1427817

CATALOG NUMBER: SQ2W-F-K-150U-125D-L935-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.3	1.5
10°-20°	478.0	4.4
20°-30°	719.5	6.7
30°-40°	860.5	8.0
40°-50°	888.5	8.2
50°-60°	801.4	7.4
60°-70°	613.9	5.7
70°-80°	354.8	3.3
80°-90°	100.4	0.9
90°-100°	158.5	1.5
100°-110°	462.2	4.3
110°-120°	754.2	7.0
120°-130°	957.1	8.9
130°-140°	1024.1	9.5
140°-150°	956.3	8.9
150°-160°	786.9	7.3
160°-170°	527.7	4.9
170°-180°	187.4	1.7
0°-30°	1364.9	12.6
0°-40°	2225.3	20.6
0°-60°	3915.3	36.3
0°-90°	4984.4	46.2
90°-120°	1374.9	12.7
90°-150°	4312.4	39.9
90°-180°	5814.0	53.8
0°-180°	10798.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1768	1768	1768	1768	1768	
5°	1751	1771	1751	1771	1751	166
15°	1682	1703	1682	1703	1682	474
25°	1552	1565	1552	1565	1552	715
35°	1370	1378	1370	1378	1370	857
45°	1152	1152	1152	1152	1152	888
55°	894	895	894	895	894	799
65°	620	618	620	618	620	613
75°	337	330	337	330	337	357
85°	81	68	81	68	81	94
90°	6	44	6	86	6	8
95°	62	46	62	272	62	75
105°	294	471	294	648	294	312
115°	563	780	563	962	563	555
125°	833	1237	833	1179	833	745
135°	1132	1619	1132	1306	1132	875
145°	1446	1867	1446	1334	1446	905
155°	1718	2028	1718	1384	1718	790
165°	1899	2114	1899	1593	1899	535
175°	1985	2070	1985	1869	1985	188
180°	1991	1991	1991	1991	1991	



TEST NUMBER: P1427817

CATALOG NUMBER: SQ2W-F-K-150U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1
2.5°	1759.2	1767.6	1776.0	1772.4	1764.9	1762.0	1763.8	1765.4	1766.2	1767.1	1766.2
5°	1750.7	1761.8	1772.8	1768.9	1760.1	1756.2	1757.3	1759.5	1765.1	1770.6	1765.1
7.5°	1736.5	1747.6	1758.6	1755.1	1746.7	1743.1	1744.5	1746.9	1752.7	1758.4	1752.7
10°	1724.5	1735.6	1746.7	1742.8	1733.9	1730.6	1732.8	1735.6	1740.0	1744.5	1740.0
12.5°	1709.6	1720.7	1731.7	1728.5	1720.6	1717.2	1718.6	1720.8	1725.6	1730.5	1725.6
15°	1682.2	1693.3	1704.3	1701.3	1693.5	1690.5	1692.2	1694.5	1698.9	1703.4	1698.9
17.5°	1649.1	1659.5	1669.9	1667.1	1659.9	1657.2	1659.1	1661.5	1665.4	1669.3	1665.4
20°	1626.2	1636.1	1646.1	1643.2	1636.0	1632.7	1633.2	1634.6	1638.5	1642.4	1638.5
22.5°	1598.3	1608.2	1618.2	1615.6	1608.9	1604.9	1603.7	1604.0	1608.7	1613.5	1608.7
25°	1551.5	1561.4	1571.4	1569.3	1563.2	1559.3	1557.7	1557.4	1561.3	1565.2	1561.3
27.5°	1502.7	1511.0	1519.3	1517.5	1512.4	1509.3	1508.2	1508.1	1510.8	1513.6	1510.8
30°	1466.8	1475.1	1483.4	1481.3	1475.8	1472.5	1471.4	1471.2	1474.0	1476.8	1474.0
32.5°	1428.9	1436.8	1444.7	1441.8	1435.4	1432.1	1431.8	1432.5	1435.7	1438.9	1435.7
35°	1369.7	1376.3	1383.0	1380.0	1374.0	1371.2	1371.7	1372.9	1375.6	1378.4	1375.6
37.5°	1310.2	1315.2	1320.3	1317.4	1311.7	1308.9	1308.7	1309.2	1311.6	1313.9	1311.6
40°	1266.3	1271.9	1277.4	1274.2	1268.1	1264.8	1264.2	1264.5	1267.3	1270.1	1267.3
42.5°	1221.5	1225.7	1229.9	1227.1	1221.9	1219.4	1219.8	1220.4	1221.8	1223.2	1221.8
45°	1151.8	1155.6	1159.5	1156.7	1151.8	1149.3	1149.3	1149.6	1150.7	1151.8	1150.7
47.5°	1078.8	1081.8	1084.8	1082.6	1078.7	1076.5	1075.8	1075.8	1077.5	1079.3	1077.5
50°	1026.0	1029.9	1033.8	1031.8	1027.9	1025.5	1024.3	1024.1	1026.3	1028.5	1026.3
52.5°	974.2	978.5	982.8	981.0	977.1	974.4	972.9	972.2	973.9	975.7	973.9
55°	894.0	899.0	904.0	902.7	899.4	896.6	894.4	893.1	894.2	895.3	894.2
57.5°	812.1	817.0	821.8	820.9	818.0	815.2	812.6	811.0	812.5	814.1	812.5
60°	758.3	762.7	767.2	765.8	762.4	759.7	757.5	756.1	757.2	758.3	757.2
62.5°	703.5	707.9	712.4	710.7	706.9	703.9	701.7	700.3	701.4	702.5	701.4
65°	620.1	624.0	627.8	626.3	623.0	620.2	618.0	616.5	617.0	617.6	617.0
67.5°	535.9	539.2	542.6	541.0	537.8	534.6	531.3	529.2	530.0	530.9	530.0
70°	478.1	481.5	484.8	483.5	480.8	478.0	475.2	473.2	473.2	473.2	473.2
72.5°	422.4	425.2	428.1	426.4	423.2	420.4	418.1	416.4	416.4	416.4	416.4
75°	337.4	339.1	340.8	339.9	338.3	336.1	333.3	331.1	330.5	330.0	330.5
77.5°	255.5	255.5	255.5	253.9	251.8	249.7	247.6	245.9	245.2	244.5	245.2
80°	201.7	201.7	201.7	200.5	198.8	197.1	195.5	194.0	192.9	191.8	192.9
82.5°	151.9	151.0	150.1	148.7	147.0	144.9	142.4	140.7	141.8	142.9	141.8
85°	80.9	79.8	78.7	77.2	75.5	73.6	71.4	69.6	69.0	68.5	69.0
87.5°	26.1	26.8	28.0	28.4	28.2	27.1	25.3	24.3	24.2	23.8	24.2
90°	6.0	14.1	24.1	32.2	38.2	40.2	40.2	42.2	44.3	44.3	44.3
92.5°	22.1	35.0	35.4	35.4	43.0	46.7	49.9	50.3	52.3	52.3	52.3
95°	62.4	68.4	102.6	100.6	68.4	54.3	46.3	46.3	46.3	46.3	46.3
97.5°	119.1	127.9	133.6	179.0	189.1	182.6	148.8	125.1	111.8	105.8	111.8
100°	169.0	173.0	185.1	187.1	237.4	285.6	261.5	231.3	221.3	215.2	221.3
102.5°	218.8	221.3	239.8	248.2	259.9	287.2	370.9	361.7	354.8	353.6	354.8
105°	293.7	295.7	329.9	346.0	354.0	354.0	352.0	392.2	456.6	470.7	456.6
107.5°	373.7	383.0	423.2	466.3	475.5	477.9	467.5	461.4	459.0	460.6	459.0
110°	428.4	442.5	490.8	545.1	559.2	563.2	559.2	553.2	549.1	549.1	549.1



TEST NUMBER: P1427817

CATALOG NUMBER: SQ2W-F-K-150U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	481.5	502.1	556.8	619.1	642.9	654.9	646.1	641.7	637.6	640.9	637.6
115°	563.2	593.4	665.8	730.2	778.4	784.5	782.5	782.5	780.5	780.5	780.5
117.5°	638.8	687.1	768.4	843.2	899.1	915.2	923.3	920.9	918.4	922.5	918.4
120°	692.0	748.3	840.8	925.3	979.6	1003.7	1011.8	1007.8	1011.8	1007.8	1011.8
122.5°	748.3	817.5	908.4	996.1	1060.1	1087.4	1097.1	1097.9	1098.7	1096.3	1098.7
125°	832.8	917.2	1023.8	1114.4	1180.7	1212.9	1221.0	1223.0	1227.0	1237.1	1227.0
127.5°	918.0	1013.8	1130.9	1218.2	1286.1	1325.2	1337.6	1342.1	1350.5	1354.9	1350.5
130°	977.6	1086.2	1204.9	1287.3	1353.7	1396.0	1418.1	1424.1	1434.2	1432.2	1434.2
132.5°	1040.3	1153.8	1274.1	1359.8	1421.3	1466.8	1485.7	1503.0	1506.6	1509.4	1506.6
135°	1132.5	1255.2	1375.9	1460.3	1518.7	1562.9	1587.1	1603.2	1613.2	1619.2	1613.2
137.5°	1229.4	1359.0	1474.8	1550.0	1608.8	1647.0	1674.4	1691.3	1701.7	1706.5	1701.7
140°	1295.4	1420.1	1532.8	1611.2	1663.5	1701.7	1725.9	1746.0	1758.0	1758.0	1758.0
142.5°	1358.2	1481.3	1590.7	1669.1	1715.0	1750.0	1775.7	1791.0	1804.7	1804.7	1804.7
145°	1446.3	1569.0	1669.5	1748.0	1786.2	1818.4	1846.5	1858.6	1866.7	1866.7	1866.7
147.5°	1538.4	1647.0	1738.7	1814.0	1846.1	1884.0	1906.1	1915.7	1925.8	1921.4	1925.8
150°	1593.1	1693.7	1782.2	1852.6	1884.8	1921.0	1943.1	1951.1	1961.2	1955.2	1961.2
152.5°	1646.2	1741.9	1822.4	1888.0	1915.3	1951.5	1976.9	1984.9	1991.8	1987.3	1991.8
155°	1717.8	1802.3	1876.7	1937.1	1961.2	1995.4	2019.5	2029.6	2037.6	2027.6	2037.6
157.5°	1781.8	1854.6	1919.4	1974.9	2000.6	2030.0	2052.5	2065.0	2073.0	2068.6	2073.0
160°	1820.4	1886.8	1945.1	1997.4	2021.5	2047.7	2071.8	2085.9	2094.0	2087.9	2094.0
162.5°	1852.6	1912.5	1967.6	2015.1	2036.0	2059.0	2087.9	2100.4	2108.4	2100.8	2108.4
165°	1898.8	1947.1	1995.4	2035.6	2053.7	2071.8	2102.0	2116.1	2122.1	2114.1	2122.1
167.5°	1933.8	1970.9	2009.9	2044.5	2057.7	2075.4	2105.6	2117.3	2124.9	2114.9	2124.9
170°	1953.2	1985.3	2019.5	2047.7	2057.7	2073.8	2104.0	2114.1	2120.1	2110.0	2120.1
172.5°	1969.2	1993.4	2021.1	2046.1	2051.3	2064.2	2092.7	2102.8	2107.2	2098.8	2107.2
175°	1985.3	1999.4	2019.5	2035.6	2033.6	2041.7	2065.8	2073.8	2081.9	2069.8	2081.9
177.5°	1993.0	1999.4	2005.9	2015.5	2009.1	2009.1	2026.8	2031.6	2033.2	2026.8	2033.2
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1427817

CATALOG NUMBER: SQ2W-F-K-150U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1
2.5°	1765.4	1763.8	1762.0	1764.9	1772.4	1776.0	1767.6	1759.2	1767.6	1776.0	1772.4
5°	1759.5	1757.3	1756.2	1760.1	1768.9	1772.8	1761.8	1750.7	1761.8	1772.8	1768.9
7.5°	1746.9	1744.5	1743.1	1746.7	1755.1	1758.6	1747.6	1736.5	1747.6	1758.6	1755.1
10°	1735.6	1732.8	1730.6	1733.9	1742.8	1746.7	1735.6	1724.5	1735.6	1746.7	1742.8
12.5°	1720.8	1718.6	1717.2	1720.6	1728.5	1731.7	1720.7	1709.6	1720.7	1731.7	1728.5
15°	1694.5	1692.2	1690.5	1693.5	1701.3	1704.3	1693.3	1682.2	1693.3	1704.3	1701.3
17.5°	1661.5	1659.1	1657.2	1659.9	1667.1	1669.9	1659.5	1649.1	1659.5	1669.9	1667.1
20°	1634.6	1633.2	1632.7	1636.0	1643.2	1646.1	1636.1	1626.2	1636.1	1646.1	1643.2
22.5°	1604.0	1603.7	1604.9	1608.9	1615.6	1618.2	1608.2	1598.3	1608.2	1618.2	1615.6
25°	1557.4	1557.7	1559.3	1563.2	1569.3	1571.4	1561.4	1551.5	1561.4	1571.4	1569.3
27.5°	1508.1	1508.2	1509.3	1512.4	1517.5	1519.3	1511.0	1502.7	1511.0	1519.3	1517.5
30°	1471.2	1471.4	1472.5	1475.8	1481.3	1483.4	1475.1	1466.8	1475.1	1483.4	1481.3
32.5°	1432.5	1431.8	1432.1	1435.4	1441.8	1444.7	1436.8	1428.9	1436.8	1444.7	1441.8
35°	1372.9	1371.7	1371.2	1374.0	1380.0	1383.0	1376.3	1369.7	1376.3	1383.0	1380.0
37.5°	1309.2	1308.7	1308.9	1311.7	1317.4	1320.3	1315.2	1310.2	1315.2	1320.3	1317.4
40°	1264.5	1264.2	1264.8	1268.1	1274.2	1277.4	1271.9	1266.3	1271.9	1277.4	1274.2
42.5°	1220.4	1219.8	1219.4	1221.9	1227.1	1229.9	1225.7	1221.5	1225.7	1229.9	1227.1
45°	1149.6	1149.3	1149.3	1151.8	1156.7	1159.5	1155.6	1151.8	1155.6	1159.5	1156.7
47.5°	1075.8	1075.8	1076.5	1078.7	1082.6	1084.8	1081.8	1078.8	1081.8	1084.8	1082.6
50°	1024.1	1024.3	1025.5	1027.9	1031.8	1033.8	1029.9	1026.0	1029.9	1033.8	1031.8
52.5°	972.2	972.9	974.4	977.1	981.0	982.8	978.5	974.2	978.5	982.8	981.0
55°	893.1	894.4	896.6	899.4	902.7	904.0	899.0	894.0	899.0	904.0	902.7
57.5°	811.0	812.6	815.2	818.0	820.9	821.8	817.0	812.1	817.0	821.8	820.9
60°	756.1	757.5	759.7	762.4	765.8	767.2	762.7	758.3	762.7	767.2	765.8
62.5°	700.3	701.7	703.9	706.9	710.7	712.4	707.9	703.5	707.9	712.4	710.7
65°	616.5	618.0	620.2	623.0	626.3	627.8	624.0	620.1	624.0	627.8	626.3
67.5°	529.2	531.3	534.6	537.8	541.0	542.6	539.2	535.9	539.2	542.6	541.0
70°	473.2	475.2	478.0	480.8	483.5	484.8	481.5	478.1	481.5	484.8	483.5
72.5°	416.4	418.1	420.4	423.2	426.4	428.1	425.2	422.4	425.2	428.1	426.4
75°	331.1	333.3	336.1	338.3	339.9	340.8	339.1	337.4	339.1	340.8	339.9
77.5°	245.9	247.6	249.7	251.8	253.9	255.5	255.5	255.5	255.5	255.5	253.9
80°	194.0	195.5	197.1	198.8	200.5	201.7	201.7	201.7	201.7	201.7	200.5
82.5°	140.7	142.4	144.9	147.0	148.7	150.1	151.0	151.9	151.0	150.1	148.7
85°	69.6	71.4	73.6	75.5	77.2	78.7	79.8	80.9	79.8	78.7	77.2
87.5°	24.3	25.3	27.1	28.2	28.4	28.0	26.8	26.1	26.8	27.6	29.2
90°	42.2	40.2	40.2	38.2	32.2	24.1	14.1	6.0	14.1	22.1	36.2
92.5°	50.3	49.9	46.7	43.0	35.4	35.4	35.0	22.1	38.2	54.3	78.0
95°	46.3	46.3	54.3	68.4	100.6	102.6	68.4	62.4	88.5	124.7	156.9
97.5°	125.1	148.8	182.6	189.1	179.0	133.6	127.9	119.1	162.1	197.9	249.8
100°	231.3	261.5	285.6	237.4	187.1	185.1	173.0	169.0	215.2	249.4	299.7
102.5°	361.7	370.9	287.2	259.9	248.2	239.8	221.3	218.8	265.1	312.2	354.4
105°	392.2	352.0	354.0	354.0	346.0	329.9	295.7	293.7	346.0	400.3	452.6
107.5°	461.4	467.5	477.9	475.5	466.3	423.2	383.0	373.7	420.8	486.0	543.5
110°	553.2	559.2	563.2	559.2	545.1	490.8	442.5	428.4	470.7	539.1	601.4



TEST NUMBER: P1427817

CATALOG NUMBER: SQ2W-F-K-150U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	641.7	646.1	654.9	642.9	619.1	556.8	502.1	481.5	523.8	593.8	657.8
115°	782.5	782.5	784.5	778.4	730.2	665.8	593.4	563.2	599.4	663.8	734.2
117.5°	920.9	923.3	915.2	899.1	843.2	768.4	687.1	638.8	667.4	735.4	807.8
120°	1007.8	1011.8	1003.7	979.6	925.3	840.8	748.3	692.0	714.1	780.5	852.9
122.5°	1097.9	1097.1	1087.4	1060.1	996.1	908.4	817.5	748.3	757.5	819.1	889.9
125°	1223.0	1221.0	1212.9	1180.7	1114.4	1023.8	917.2	832.8	820.7	873.0	945.4
127.5°	1342.1	1337.6	1325.2	1286.1	1218.2	1130.9	1013.8	918.0	891.1	924.1	990.5
130°	1424.1	1418.1	1396.0	1353.7	1287.3	1204.9	1086.2	977.6	939.4	959.5	1017.8
132.5°	1503.0	1485.7	1466.8	1421.3	1359.8	1274.1	1153.8	1040.3	987.6	996.5	1041.9
135°	1603.2	1587.1	1562.9	1518.7	1460.3	1375.9	1255.2	1132.5	1060.1	1052.0	1078.2
137.5°	1691.3	1674.4	1647.0	1608.8	1550.0	1474.8	1359.0	1229.4	1138.1	1111.1	1121.2
140°	1746.0	1725.9	1701.7	1663.5	1611.2	1532.8	1420.1	1295.4	1192.8	1154.6	1148.6
142.5°	1791.0	1775.7	1750.0	1715.0	1669.1	1590.7	1481.3	1358.2	1249.1	1199.6	1185.6
145°	1858.6	1846.5	1818.4	1786.2	1748.0	1669.5	1569.0	1446.3	1337.6	1273.3	1243.1
147.5°	1915.7	1906.1	1884.0	1846.1	1814.0	1738.7	1647.0	1538.4	1426.9	1347.3	1308.3
150°	1951.1	1943.1	1921.0	1884.8	1852.6	1782.2	1693.7	1593.1	1486.5	1402.0	1351.7
152.5°	1984.9	1976.9	1951.5	1915.3	1888.0	1822.4	1741.9	1646.2	1538.0	1453.5	1401.6
155°	2029.6	2019.5	1995.4	1961.2	1937.1	1876.7	1802.3	1717.8	1625.3	1536.8	1478.4
157.5°	2065.0	2052.5	2030.0	2000.6	1974.9	1919.4	1854.6	1781.8	1700.9	1616.4	1556.9
160°	2085.9	2071.8	2047.7	2021.5	1997.4	1945.1	1886.8	1820.4	1746.0	1669.5	1605.2
162.5°	2100.4	2087.9	2059.0	2036.0	2015.1	1967.6	1912.5	1852.6	1786.2	1719.4	1659.9
165°	2116.1	2102.0	2071.8	2053.7	2035.6	1995.4	1947.1	1898.8	1842.5	1788.2	1739.9
167.5°	2117.3	2105.6	2075.4	2057.7	2044.5	2009.9	1970.9	1933.8	1890.0	1847.3	1807.1
170°	2114.1	2104.0	2073.8	2057.7	2047.7	2019.5	1985.3	1953.2	1919.0	1882.7	1850.6
172.5°	2102.8	2092.7	2064.2	2051.3	2046.1	2021.1	1993.4	1969.2	1939.9	1913.3	1887.6
175°	2073.8	2065.8	2041.7	2033.6	2035.6	2019.5	1999.4	1985.3	1967.2	1951.1	1937.1
177.5°	2031.6	2026.8	2009.1	2009.1	2015.5	2005.9	1999.4	1993.0	1984.9	1980.1	1975.3
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1427817

CATALOG NUMBER: SQ2W-F-K-150U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1
2.5°	1764.9	1762.0	1763.8	1765.4	1766.2	1767.1	1766.2	1765.4	1763.8	1762.0	1764.9
5°	1760.1	1756.2	1757.3	1759.5	1765.1	1770.6	1765.1	1759.5	1757.3	1756.2	1760.1
7.5°	1746.7	1743.1	1744.5	1746.9	1752.7	1758.4	1752.7	1746.9	1744.5	1743.1	1746.7
10°	1733.9	1730.6	1732.8	1735.6	1740.0	1744.5	1740.0	1735.6	1732.8	1730.6	1733.9
12.5°	1720.6	1717.2	1718.6	1720.8	1725.6	1730.5	1725.6	1720.8	1718.6	1717.2	1720.6
15°	1693.5	1690.5	1692.2	1694.5	1698.9	1703.4	1698.9	1694.5	1692.2	1690.5	1693.5
17.5°	1659.9	1657.2	1659.1	1661.5	1665.4	1669.3	1665.4	1661.5	1659.1	1657.2	1659.9
20°	1636.0	1632.7	1633.2	1634.6	1638.5	1642.4	1638.5	1634.6	1633.2	1632.7	1636.0
22.5°	1608.9	1604.9	1603.7	1604.0	1608.7	1613.5	1608.7	1604.0	1603.7	1604.9	1608.9
25°	1563.2	1559.3	1557.7	1557.4	1561.3	1565.2	1561.3	1557.4	1557.7	1559.3	1563.2
27.5°	1512.4	1509.3	1508.2	1508.1	1510.8	1513.6	1510.8	1508.1	1508.2	1509.3	1512.4
30°	1475.8	1472.5	1471.4	1471.2	1474.0	1476.8	1474.0	1471.2	1471.4	1472.5	1475.8
32.5°	1435.4	1432.1	1431.8	1432.5	1435.7	1438.9	1435.7	1432.5	1431.8	1432.1	1435.4
35°	1374.0	1371.2	1371.7	1372.9	1375.6	1378.4	1375.6	1372.9	1371.7	1371.2	1374.0
37.5°	1311.7	1308.9	1308.7	1309.2	1311.6	1313.9	1311.6	1309.2	1308.7	1308.9	1311.7
40°	1268.1	1264.8	1264.2	1264.5	1267.3	1270.1	1267.3	1264.5	1264.2	1264.8	1268.1
42.5°	1221.9	1219.4	1219.8	1220.4	1221.8	1223.2	1221.8	1220.4	1219.8	1219.4	1221.9
45°	1151.8	1149.3	1149.3	1149.6	1150.7	1151.8	1150.7	1149.6	1149.3	1149.3	1151.8
47.5°	1078.7	1076.5	1075.8	1075.8	1077.5	1079.3	1077.5	1075.8	1075.8	1076.5	1078.7
50°	1027.9	1025.5	1024.3	1024.1	1026.3	1028.5	1026.3	1024.1	1024.3	1025.5	1027.9
52.5°	977.1	974.4	972.9	972.2	973.9	975.7	973.9	972.2	972.9	974.4	977.1
55°	899.4	896.6	894.4	893.1	894.2	895.3	894.2	893.1	894.4	896.6	899.4
57.5°	818.0	815.2	812.6	811.0	812.5	814.1	812.5	811.0	812.6	815.2	818.0
60°	762.4	759.7	757.5	756.1	757.2	758.3	757.2	756.1	757.5	759.7	762.4
62.5°	706.9	703.9	701.7	700.3	701.4	702.5	701.4	700.3	701.7	703.9	706.9
65°	623.0	620.2	618.0	616.5	617.0	617.6	617.0	616.5	618.0	620.2	623.0
67.5°	537.8	534.6	531.3	529.2	530.0	530.9	530.0	529.2	531.3	534.6	537.8
70°	480.8	478.0	475.2	473.2	473.2	473.2	473.2	473.2	475.2	478.0	480.8
72.5°	423.2	420.4	418.1	416.4	416.4	416.4	416.4	416.4	418.1	420.4	423.2
75°	338.3	336.1	333.3	331.1	330.5	330.0	330.5	331.1	333.3	336.1	338.3
77.5°	251.8	249.7	247.6	245.9	245.2	244.5	245.2	245.9	247.6	249.7	251.8
80°	198.8	197.1	195.5	194.0	192.9	191.8	192.9	194.0	195.5	197.1	198.8
82.5°	147.0	144.9	142.4	140.7	141.8	142.9	141.8	140.7	142.4	144.9	147.0
85°	75.5	73.6	71.4	69.6	69.0	68.5	69.0	69.6	71.4	73.6	75.5
87.5°	29.8	31.1	32.2	32.3	33.5	32.2	33.5	32.3	32.2	31.1	29.8
90°	46.3	60.3	74.4	82.5	90.5	86.5	90.5	82.5	74.4	60.3	46.3
92.5°	92.9	116.7	134.0	148.4	154.9	154.1	154.9	148.4	134.0	116.7	92.9
95°	187.1	215.2	243.4	263.5	275.6	271.6	275.6	263.5	243.4	215.2	187.1
97.5°	288.4	326.3	357.6	376.5	388.6	396.7	388.6	376.5	357.6	326.3	288.4
100°	356.0	392.2	428.4	450.6	470.7	478.7	470.7	450.6	428.4	392.2	356.0
102.5°	410.7	458.2	497.6	521.4	538.3	546.3	538.3	521.4	497.6	458.2	410.7
105°	500.9	551.1	593.4	623.6	641.7	647.7	641.7	623.6	593.4	551.1	500.9
107.5°	591.0	642.9	681.9	715.3	737.4	750.3	737.4	715.3	681.9	642.9	591.0
110°	661.8	704.0	746.3	776.4	798.6	806.6	798.6	776.4	746.3	704.0	661.8



TEST NUMBER: P1427817

CATALOG NUMBER: SQ2W-F-K-150U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	721.3	768.4	810.6	840.8	866.1	877.4	866.1	840.8	810.6	768.4	721.3
115°	804.6	866.9	905.2	933.3	951.4	961.5	951.4	933.3	905.2	866.9	804.6
117.5°	873.8	939.0	980.8	1002.5	1011.0	1018.2	1011.0	1002.5	980.8	939.0	873.8
120°	917.2	977.6	1025.9	1054.0	1064.1	1068.1	1064.1	1054.0	1025.9	977.6	917.2
122.5°	957.5	1014.6	1061.3	1095.9	1112.4	1116.4	1112.4	1095.9	1061.3	1014.6	957.5
125°	1013.8	1068.1	1116.4	1150.6	1168.7	1178.7	1168.7	1150.6	1116.4	1068.1	1013.8
127.5°	1062.9	1121.6	1165.9	1196.8	1214.5	1222.6	1214.5	1196.8	1165.9	1121.6	1062.9
130°	1090.2	1150.6	1194.8	1229.0	1245.1	1253.2	1245.1	1229.0	1194.8	1150.6	1090.2
132.5°	1111.1	1174.7	1220.6	1251.5	1269.2	1277.3	1269.2	1251.5	1220.6	1174.7	1111.1
135°	1136.5	1202.9	1251.1	1281.3	1297.4	1305.5	1297.4	1281.3	1251.1	1202.9	1136.5
137.5°	1158.6	1219.0	1269.2	1301.0	1315.5	1320.7	1315.5	1301.0	1269.2	1219.0	1158.6
140°	1174.7	1227.0	1277.3	1307.5	1323.6	1325.6	1323.6	1307.5	1277.3	1227.0	1174.7
142.5°	1195.6	1236.7	1280.5	1310.7	1326.8	1330.4	1326.8	1310.7	1280.5	1236.7	1195.6
145°	1233.0	1257.2	1287.3	1315.5	1329.6	1333.6	1329.6	1315.5	1287.3	1257.2	1233.0
147.5°	1280.1	1287.8	1303.4	1321.9	1335.6	1338.4	1335.6	1321.9	1303.4	1287.8	1280.1
150°	1315.5	1313.5	1319.5	1331.6	1343.7	1341.7	1343.7	1331.6	1319.5	1313.5	1315.5
152.5°	1355.7	1344.1	1343.7	1349.3	1354.9	1354.5	1354.9	1349.3	1343.7	1344.1	1355.7
155°	1424.1	1402.0	1389.9	1385.9	1385.9	1383.9	1385.9	1385.9	1389.9	1402.0	1424.1
157.5°	1499.4	1468.4	1450.3	1440.6	1437.8	1433.4	1437.8	1440.6	1450.3	1468.4	1499.4
160°	1550.9	1516.7	1498.6	1482.5	1476.4	1470.4	1476.4	1482.5	1498.6	1516.7	1550.9
162.5°	1599.1	1566.5	1546.8	1532.3	1526.3	1517.1	1526.3	1532.3	1546.8	1566.5	1599.1
165°	1677.6	1643.4	1621.3	1609.2	1601.1	1593.1	1601.1	1609.2	1621.3	1643.4	1677.6
167.5°	1756.0	1718.6	1704.1	1690.5	1682.8	1668.3	1682.8	1690.5	1704.1	1718.6	1756.0
170°	1804.3	1770.1	1762.1	1750.0	1735.9	1719.8	1735.9	1750.0	1762.1	1770.1	1804.3
172.5°	1846.1	1823.2	1815.2	1803.1	1798.7	1785.8	1798.7	1803.1	1815.2	1823.2	1846.1
175°	1906.9	1888.8	1888.8	1886.8	1880.7	1868.7	1880.7	1886.8	1888.8	1888.8	1906.9
177.5°	1957.6	1947.9	1954.4	1954.4	1952.7	1941.5	1952.7	1954.4	1954.4	1947.9	1957.6
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1427817

CATALOG NUMBER: SQ2W-F-K-150U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1768.1	1768.1	1768.1	1768.1
2.5°	1772.4	1776.0	1767.6	1759.2
5°	1768.9	1772.8	1761.8	1750.7
7.5°	1755.1	1758.6	1747.6	1736.5
10°	1742.8	1746.7	1735.6	1724.5
12.5°	1728.5	1731.7	1720.7	1709.6
15°	1701.3	1704.3	1693.3	1682.2
17.5°	1667.1	1669.9	1659.5	1649.1
20°	1643.2	1646.1	1636.1	1626.2
22.5°	1615.6	1618.2	1608.2	1598.3
25°	1569.3	1571.4	1561.4	1551.5
27.5°	1517.5	1519.3	1511.0	1502.7
30°	1481.3	1483.4	1475.1	1466.8
32.5°	1441.8	1444.7	1436.8	1428.9
35°	1380.0	1383.0	1376.3	1369.7
37.5°	1317.4	1320.3	1315.2	1310.2
40°	1274.2	1277.4	1271.9	1266.3
42.5°	1227.1	1229.9	1225.7	1221.5
45°	1156.7	1159.5	1155.6	1151.8
47.5°	1082.6	1084.8	1081.8	1078.8
50°	1031.8	1033.8	1029.9	1026.0
52.5°	981.0	982.8	978.5	974.2
55°	902.7	904.0	899.0	894.0
57.5°	820.9	821.8	817.0	812.1
60°	765.8	767.2	762.7	758.3
62.5°	710.7	712.4	707.9	703.5
65°	626.3	627.8	624.0	620.1
67.5°	541.0	542.6	539.2	535.9
70°	483.5	484.8	481.5	478.1
72.5°	426.4	428.1	425.2	422.4
75°	339.9	340.8	339.1	337.4
77.5°	253.9	255.5	255.5	255.5
80°	200.5	201.7	201.7	201.7
82.5°	148.7	150.1	151.0	151.9
85°	77.2	78.7	79.8	80.9
87.5°	29.2	27.6	26.8	26.1
90°	36.2	22.1	14.1	6.0
92.5°	78.0	54.3	38.2	22.1
95°	156.9	124.7	88.5	62.4
97.5°	249.8	197.9	162.1	119.1
100°	299.7	249.4	215.2	169.0
102.5°	354.4	312.2	265.1	218.8
105°	452.6	400.3	346.0	293.7
107.5°	543.5	486.0	420.8	373.7
110°	601.4	539.1	470.7	428.4



TEST NUMBER: P1427817

CATALOG NUMBER: SQ2W-F-K-150U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	657.8	593.8	523.8	481.5
115°	734.2	663.8	599.4	563.2
117.5°	807.8	735.4	667.4	638.8
120°	852.9	780.5	714.1	692.0
122.5°	889.9	819.1	757.5	748.3
125°	945.4	873.0	820.7	832.8
127.5°	990.5	924.1	891.1	918.0
130°	1017.8	959.5	939.4	977.6
132.5°	1041.9	996.5	987.6	1040.3
135°	1078.2	1052.0	1060.1	1132.5
137.5°	1121.2	1111.1	1138.1	1229.4
140°	1148.6	1154.6	1192.8	1295.4
142.5°	1185.6	1199.6	1249.1	1358.2
145°	1243.1	1273.3	1337.6	1446.3
147.5°	1308.3	1347.3	1426.9	1538.4
150°	1351.7	1402.0	1486.5	1593.1
152.5°	1401.6	1453.5	1538.0	1646.2
155°	1478.4	1536.8	1625.3	1717.8
157.5°	1556.9	1616.4	1700.9	1781.8
160°	1605.2	1669.5	1746.0	1820.4
162.5°	1659.9	1719.4	1786.2	1852.6
165°	1739.9	1788.2	1842.5	1898.8
167.5°	1807.1	1847.3	1890.0	1933.8
170°	1850.6	1882.7	1919.0	1953.2
172.5°	1887.6	1913.3	1939.9	1969.2
175°	1937.1	1951.1	1967.2	1985.3
177.5°	1975.3	1980.1	1984.9	1993.0
180°	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1427817
 CATALOG NUMBER: SQ2W-F-K-150U-125D-L935-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	19.14	19.98	20.13	20.98	22.30	19.06	19.89	20.04	20.90	22.22
	3H	20.93	21.68	21.93	22.69	24.04	20.83	21.58	21.82	22.59	23.93
	4H	21.62	22.34	22.63	23.35	24.70	21.51	22.22	22.52	23.23	24.59
	6H	22.06	22.72	23.08	23.73	25.10	21.92	22.58	22.94	23.59	24.96
	8H	22.22	22.84	23.25	23.88	25.24	22.06	22.69	23.09	23.72	25.08
	12H	22.30	22.90	23.33	23.93	25.31	22.13	22.72	23.16	23.75	25.14
4H	2H	19.72	20.43	20.73	21.44	22.80	19.65	20.36	20.67	21.38	22.73
	3H	21.74	22.33	22.76	23.37	24.74	21.64	22.24	22.67	23.28	24.65
	4H	22.55	23.10	23.58	24.13	25.52	22.44	22.98	23.47	24.02	25.41
	6H	23.10	23.57	24.14	24.63	26.01	22.96	23.43	24.00	24.49	25.87
	8H	23.32	23.75	24.36	24.80	26.20	23.16	23.59	24.20	24.64	26.04
	12H	23.43	23.82	24.49	24.89	26.29	23.24	23.64	24.30	24.70	26.11
8H	4H	22.79	23.23	23.84	24.28	25.68	22.70	23.13	23.74	24.18	25.58
	6H	23.48	23.84	24.55	24.94	26.33	23.35	23.71	24.42	24.80	26.20
	8H	23.79	24.10	24.86	25.18	26.60	23.63	23.95	24.71	25.02	26.44
	12H	23.97	24.25	25.05	25.32	26.78	23.78	24.06	24.86	25.13	26.59
12H	4H	22.79	23.18	23.85	24.25	25.65	22.69	23.09	23.76	24.15	25.56
	6H	23.53	23.85	24.61	24.93	26.34	23.41	23.73	24.48	24.80	26.22
	8H	23.86	24.14	24.94	25.22	26.67	23.71	23.99	24.79	25.06	26.52