

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: P1428141

Luminaire Tested: SQ2W-PP3-K-150U-075D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428141
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-075D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE PRISM LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

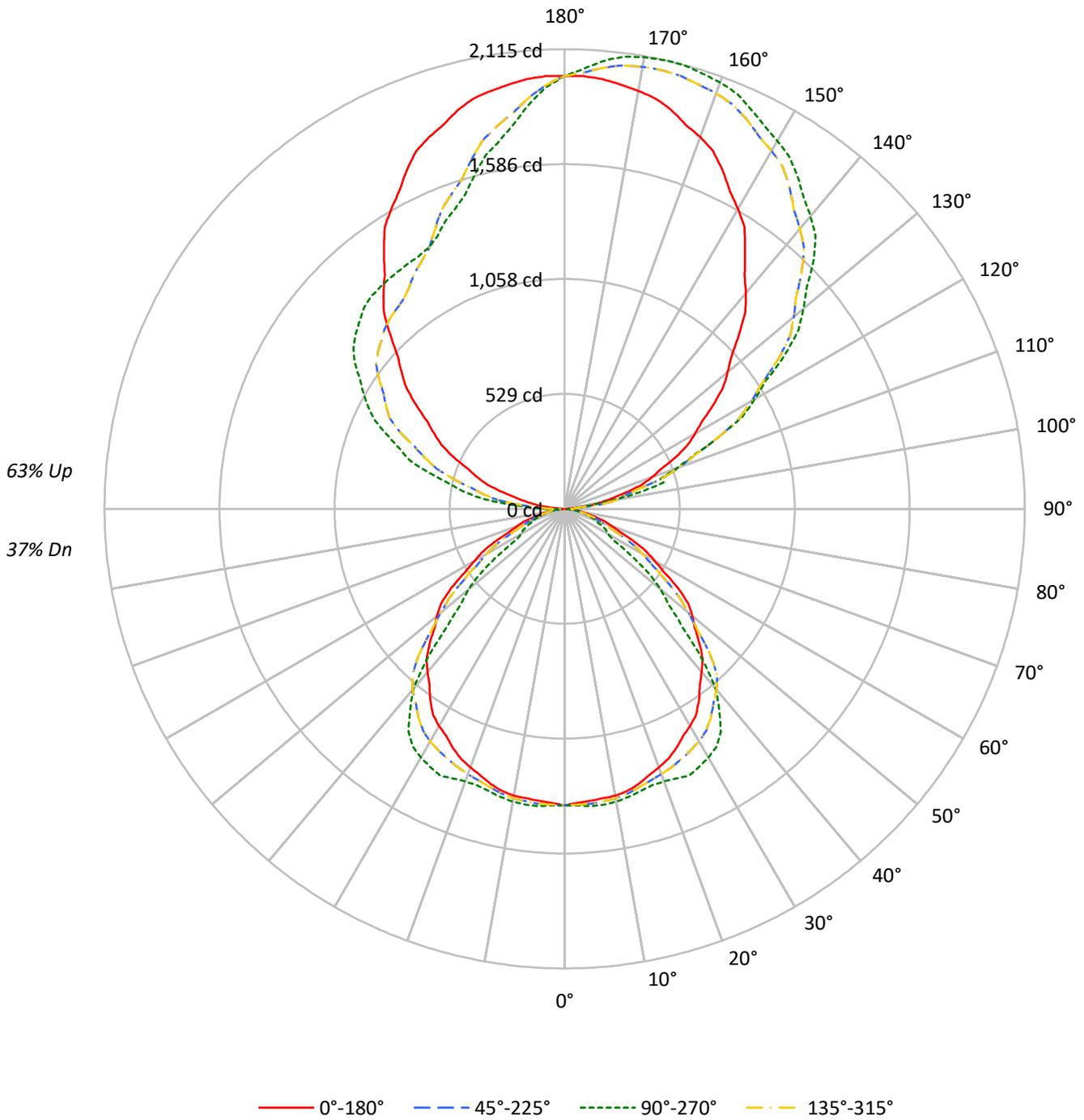
Lumens per Lamp: N/A
Luminaire Lumens: 9259.6 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 81.8
Input Voltage (V): 120
Input Current (A_{in}): 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: P1428141

CATALOG NUMBER: SQ2W-PP3-K-150U-075D-L935-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1428141

CATALOG NUMBER: SQ2W-PP3-K-150U-075D-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	104	104	104	104	94	94	94	94	76	76	76	60	60	60	44	44	44	37				
1	95	91	88	84	86	83	80	77	67	65	63	53	52	50	40	39	38	32				
2	87	80	74	69	79	73	68	64	59	56	53	47	45	43	35	34	33	27				
3	80	71	64	58	72	64	58	54	53	48	45	42	39	36	32	30	28	24				
4	73	63	55	49	66	57	51	46	47	42	38	37	34	31	28	26	25	21				
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	26	23	21	18				
6	62	50	42	37	56	46	39	34	38	33	29	30	27	24	23	21	19	16				
7	57	45	37	32	52	41	35	30	34	29	25	28	24	21	21	19	17	14				
8	53	41	33	28	48	38	31	26	31	26	23	25	22	19	20	17	15	13				
9	49	37	30	25	45	34	28	23	29	24	20	23	20	17	18	16	14	11				
10	46	34	27	22	42	31	25	21	26	21	18	21	18	15	17	14	12	10				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	22034	22034	22034	22034
5°	21860	22257	21860	22257
10°	21972	22421	21972	22421
15°	21919	22473	21919	22473
20°	21762	22927	21762	22927
25°	21639	24132	21639	24132
30°	21516	24635	21516	24635
35°	21212	24681	21212	24681
40°	20644	22803	20644	22803
45°	20027	17358	20027	17358
50°	19240	14458	19240	14458
55°	17908	10395	17908	10395
60°	15419	7453	15419	7453
65°	13005	7331	13005	7331
70°	10829	7015	10829	7015
75°	9176	6569	9176	6569
80°	7782	5904	7782	5904
85°	6150	3205	6150	3205

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 21909 cd/sqm



TEST NUMBER: P1428141

CATALOG NUMBER: SQ2W-PP3-K-150U-075D-L935-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.9	1.4
10°-20°	376.1	4.1
20°-30°	589.2	6.4
30°-40°	726.8	7.8
40°-50°	684.3	7.4
50°-60°	484.5	5.2
60°-70°	276.1	3.0
70°-80°	136.7	1.5
80°-90°	41.6	0.4
90°-100°	158.5	1.7
100°-110°	462.2	5.0
110°-120°	754.2	8.1
120°-130°	957.1	10.3
130°-140°	1024.1	11.1
140°-150°	956.3	10.3
150°-160°	786.9	8.5
160°-170°	527.7	5.7
170°-180°	187.4	2.0
0°-30°	1095.2	11.8
0°-40°	1822.0	19.7
0°-60°	2990.8	32.3
0°-90°	3445.2	37.2
90°-120°	1374.9	14.8
90°-150°	4312.4	46.6
90°-180°	5814.0	62.8
0°-180°	9259.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1365	1365	1365	1365	1365	
5°	1349	1373	1349	1373	1349	128
15°	1311	1344	1311	1344	1311	370
25°	1215	1355	1215	1355	1215	559
35°	1076	1252	1076	1252	1076	671
45°	877	760	877	760	877	675
55°	636	369	636	369	636	561
65°	340	192	340	192	340	342
75°	147	105	147	105	147	159
85°	33	17	33	17	33	39
90°	6	44	6	86	6	6
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: P1428141

CATALOG NUMBER: SQ2W-PP3-K-150U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1364.7	1364.7	1364.7	1364.7	1364.7	1364.7	1364.7	1364.7	1364.7	1364.7	1364.7
2.5°	1354.3	1363.0	1371.7	1369.7	1364.0	1361.7	1362.8	1363.8	1364.8	1365.8	1364.8
5°	1348.8	1359.7	1370.6	1369.0	1363.2	1361.0	1362.3	1364.4	1368.8	1373.3	1368.8
7.5°	1343.6	1354.8	1365.9	1364.5	1358.8	1357.1	1359.3	1362.3	1367.8	1373.3	1367.8
10°	1340.2	1349.8	1359.4	1357.9	1352.8	1351.9	1355.1	1358.6	1363.1	1367.6	1363.1
12.5°	1329.8	1338.9	1348.0	1346.8	1342.2	1342.0	1346.2	1350.4	1354.4	1358.3	1354.4
15°	1311.3	1319.6	1328.0	1328.1	1325.6	1327.2	1332.9	1338.1	1341.3	1344.5	1341.3
17.5°	1286.2	1296.3	1306.5	1308.8	1308.5	1312.5	1320.7	1327.7	1331.1	1334.4	1331.1
20°	1266.6	1278.8	1290.9	1295.0	1296.2	1302.0	1312.3	1321.6	1328.0	1334.4	1328.0
22.5°	1245.8	1260.0	1274.3	1279.6	1281.9	1290.7	1306.1	1320.4	1331.4	1342.5	1331.4
25°	1214.7	1228.8	1242.9	1253.1	1262.1	1277.8	1300.2	1321.2	1337.9	1354.6	1337.9
27.5°	1178.3	1192.3	1206.3	1223.9	1242.7	1264.8	1290.1	1312.3	1325.5	1338.7	1325.5
30°	1154.1	1167.5	1181.0	1201.2	1223.6	1248.0	1274.3	1297.0	1309.2	1321.4	1309.2
32.5°	1124.1	1138.0	1152.0	1173.5	1197.5	1223.6	1252.0	1276.0	1287.2	1298.3	1287.2
35°	1076.2	1089.6	1103.1	1128.1	1156.9	1186.1	1215.6	1239.3	1245.7	1252.2	1245.7
37.5°	1021.1	1036.3	1051.6	1079.6	1111.9	1136.4	1152.9	1165.4	1165.8	1166.2	1165.8
40°	979.5	999.4	1019.3	1047.3	1078.1	1095.1	1098.3	1098.6	1090.3	1081.9	1090.3
42.5°	939.1	964.6	990.2	1012.7	1034.2	1038.7	1026.0	1007.2	970.1	933.1	970.1
45°	877.1	907.2	937.4	951.1	959.5	931.3	866.5	811.5	785.9	760.2	785.9
47.5°	811.0	840.8	870.5	866.7	851.7	809.0	738.6	681.4	663.7	646.0	663.7
50°	766.0	794.2	822.4	802.1	765.5	717.4	657.8	608.9	592.3	575.6	592.3
52.5°	715.2	740.4	765.5	734.8	685.4	634.7	582.8	537.5	512.1	486.7	512.1
55°	636.2	653.5	670.8	637.1	586.5	530.7	469.8	418.0	393.7	369.3	393.7
57.5°	541.0	553.1	565.3	538.9	499.5	444.0	372.5	312.0	284.7	257.4	284.7
60°	477.5	487.1	496.7	472.7	437.4	384.5	314.0	257.7	244.3	230.8	244.3
62.5°	419.8	428.4	437.0	411.9	375.6	328.4	270.1	225.3	220.6	215.8	220.6
65°	340.4	348.8	357.1	330.8	293.0	256.1	220.2	193.1	192.5	191.9	192.5
67.5°	270.9	280.0	289.1	264.4	228.3	201.1	182.6	168.6	167.8	167.1	167.8
70°	229.4	239.0	248.6	225.5	191.5	169.4	159.2	151.2	149.9	148.6	149.9
72.5°	194.7	203.9	213.0	192.8	162.9	144.7	138.0	132.8	132.0	131.3	132.0
75°	147.1	154.2	161.2	146.7	124.9	112.4	109.2	106.6	105.9	105.3	105.9
77.5°	106.8	111.2	115.7	106.2	91.9	84.0	82.3	80.9	80.3	79.6	80.3
80°	83.7	85.6	87.5	80.8	71.2	66.0	65.4	64.8	64.1	63.5	64.1
82.5°	62.9	62.3	61.6	57.7	52.7	49.9	49.2	48.5	47.3	46.2	47.3
85°	33.2	31.9	30.6	29.3	28.1	26.1	23.6	21.2	19.2	17.3	19.2
87.5°	11.6	13.2	15.2	14.9	13.5	12.4	11.9	11.9	12.3	12.3	12.3
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: P1428141

CATALOG NUMBER: SQ2W-PP3-K-150U-075D-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: P1428141

CATALOG NUMBER: SQ2W-PP3-K-150U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1364.7	1364.7	1364.7	1364.7	1364.7	1364.7	1364.7	1364.7	1364.7	1364.7	1364.7
2.5°	1363.8	1362.8	1361.7	1364.0	1369.7	1371.7	1363.0	1354.3	1363.0	1371.7	1369.7
5°	1364.4	1362.3	1361.0	1363.2	1369.0	1370.6	1359.7	1348.8	1359.7	1370.6	1369.0
7.5°	1362.3	1359.3	1357.1	1358.8	1364.5	1365.9	1354.8	1343.6	1354.8	1365.9	1364.5
10°	1358.6	1355.1	1351.9	1352.8	1357.9	1359.4	1349.8	1340.2	1349.8	1359.4	1357.9
12.5°	1350.4	1346.2	1342.0	1342.2	1346.8	1348.0	1338.9	1329.8	1338.9	1348.0	1346.8
15°	1338.1	1332.9	1327.2	1325.6	1328.1	1328.0	1319.6	1311.3	1319.6	1328.0	1328.1
17.5°	1327.7	1320.7	1312.5	1308.5	1308.8	1306.5	1296.3	1286.2	1296.3	1306.5	1308.8
20°	1321.6	1312.3	1302.0	1296.2	1295.0	1290.9	1278.8	1266.6	1278.8	1290.9	1295.0
22.5°	1320.4	1306.1	1290.7	1281.9	1279.6	1274.3	1260.0	1245.8	1260.0	1274.3	1279.6
25°	1321.2	1300.2	1277.8	1262.1	1253.1	1242.9	1228.8	1214.7	1228.8	1242.9	1253.1
27.5°	1312.3	1290.1	1264.8	1242.7	1223.9	1206.3	1192.3	1178.3	1192.3	1206.3	1223.9
30°	1297.0	1274.3	1248.0	1223.6	1201.2	1181.0	1167.5	1154.1	1167.5	1181.0	1201.2
32.5°	1276.0	1252.0	1223.6	1197.5	1173.5	1152.0	1138.0	1124.1	1138.0	1152.0	1173.5
35°	1239.3	1215.6	1186.1	1156.9	1128.1	1103.1	1089.6	1076.2	1089.6	1103.1	1128.1
37.5°	1165.4	1152.9	1136.4	1111.9	1079.6	1051.6	1036.3	1021.1	1036.3	1051.6	1079.6
40°	1098.6	1098.3	1095.1	1078.1	1047.3	1019.3	999.4	979.5	999.4	1019.3	1047.3
42.5°	1007.2	1026.0	1038.7	1034.2	1012.7	990.2	964.6	939.1	964.6	990.2	1012.7
45°	811.5	866.5	931.3	959.5	951.1	937.4	907.2	877.1	907.2	937.4	951.1
47.5°	681.4	738.6	809.0	851.7	866.7	870.5	840.8	811.0	840.8	870.5	866.7
50°	608.9	657.8	717.4	765.5	802.1	822.4	794.2	766.0	794.2	822.4	802.1
52.5°	537.5	582.8	634.7	685.4	734.8	765.5	740.4	715.2	740.4	765.5	734.8
55°	418.0	469.8	530.7	586.5	637.1	670.8	653.5	636.2	653.5	670.8	637.1
57.5°	312.0	372.5	444.0	499.5	538.9	565.3	553.1	541.0	553.1	565.3	538.9
60°	257.7	314.0	384.5	437.4	472.7	496.7	487.1	477.5	487.1	496.7	472.7
62.5°	225.3	270.1	328.4	375.6	411.9	437.0	428.4	419.8	428.4	437.0	411.9
65°	193.1	220.2	256.1	293.0	330.8	357.1	348.8	340.4	348.8	357.1	330.8
67.5°	168.6	182.6	201.1	228.3	264.4	289.1	280.0	270.9	280.0	289.1	264.4
70°	151.2	159.2	169.4	191.5	225.5	248.6	239.0	229.4	239.0	248.6	225.5
72.5°	132.8	138.0	144.7	162.9	192.8	213.0	203.9	194.7	203.9	213.0	192.8
75°	106.6	109.2	112.4	124.9	146.7	161.2	154.2	147.1	154.2	161.2	146.7
77.5°	80.9	82.3	84.0	91.9	106.2	115.7	111.2	106.8	111.2	115.7	106.2
80°	64.8	65.4	66.0	71.2	80.8	87.5	85.6	83.7	85.6	87.5	80.8
82.5°	48.5	49.2	49.9	52.7	57.7	61.6	62.3	62.9	62.3	61.6	57.7
85°	21.2	23.6	26.1	28.1	29.3	30.6	31.9	33.2	31.9	30.6	29.3
87.5°	11.9	11.9	12.4	13.5	14.9	15.2	13.2	11.6	13.2	14.8	15.7
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: P1428141

CATALOG NUMBER: SQ2W-PP3-K-150U-075D-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: P1428141

CATALOG NUMBER: SQ2W-PP3-K-150U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1364.7	1364.7	1364.7	1364.7	1364.7	1364.7	1364.7	1364.7	1364.7	1364.7	1364.7
2.5°	1364.0	1361.7	1362.8	1363.8	1364.8	1365.8	1364.8	1363.8	1362.8	1361.7	1364.0
5°	1363.2	1361.0	1362.3	1364.4	1368.8	1373.3	1368.8	1364.4	1362.3	1361.0	1363.2
7.5°	1358.8	1357.1	1359.3	1362.3	1367.8	1373.3	1367.8	1362.3	1359.3	1357.1	1358.8
10°	1352.8	1351.9	1355.1	1358.6	1363.1	1367.6	1363.1	1358.6	1355.1	1351.9	1352.8
12.5°	1342.2	1342.0	1346.2	1350.4	1354.4	1358.3	1354.4	1350.4	1346.2	1342.0	1342.2
15°	1325.6	1327.2	1332.9	1338.1	1341.3	1344.5	1341.3	1338.1	1332.9	1327.2	1325.6
17.5°	1308.5	1312.5	1320.7	1327.7	1331.1	1334.4	1331.1	1327.7	1320.7	1312.5	1308.5
20°	1296.2	1302.0	1312.3	1321.6	1328.0	1334.4	1328.0	1321.6	1312.3	1302.0	1296.2
22.5°	1281.9	1290.7	1306.1	1320.4	1331.4	1342.5	1331.4	1320.4	1306.1	1290.7	1281.9
25°	1262.1	1277.8	1300.2	1321.2	1337.9	1354.6	1337.9	1321.2	1300.2	1277.8	1262.1
27.5°	1242.7	1264.8	1290.1	1312.3	1325.5	1338.7	1325.5	1312.3	1290.1	1264.8	1242.7
30°	1223.6	1248.0	1274.3	1297.0	1309.2	1321.4	1309.2	1297.0	1274.3	1248.0	1223.6
32.5°	1197.5	1223.6	1252.0	1276.0	1287.2	1298.3	1287.2	1276.0	1252.0	1223.6	1197.5
35°	1156.9	1186.1	1215.6	1239.3	1245.7	1252.2	1245.7	1239.3	1215.6	1186.1	1156.9
37.5°	1111.9	1136.4	1152.9	1165.4	1165.8	1166.2	1165.8	1165.4	1152.9	1136.4	1111.9
40°	1078.1	1095.1	1098.3	1098.6	1090.3	1081.9	1090.3	1098.6	1098.3	1095.1	1078.1
42.5°	1034.2	1038.7	1026.0	1007.2	970.1	933.1	970.1	1007.2	1026.0	1038.7	1034.2
45°	959.5	931.3	866.5	811.5	785.9	760.2	785.9	811.5	866.5	931.3	959.5
47.5°	851.7	809.0	738.6	681.4	663.7	646.0	663.7	681.4	738.6	809.0	851.7
50°	765.5	717.4	657.8	608.9	592.3	575.6	592.3	608.9	657.8	717.4	765.5
52.5°	685.4	634.7	582.8	537.5	512.1	486.7	512.1	537.5	582.8	634.7	685.4
55°	586.5	530.7	469.8	418.0	393.7	369.3	393.7	418.0	469.8	530.7	586.5
57.5°	499.5	444.0	372.5	312.0	284.7	257.4	284.7	312.0	372.5	444.0	499.5
60°	437.4	384.5	314.0	257.7	244.3	230.8	244.3	257.7	314.0	384.5	437.4
62.5°	375.6	328.4	270.1	225.3	220.6	215.8	220.6	225.3	270.1	328.4	375.6
65°	293.0	256.1	220.2	193.1	192.5	191.9	192.5	193.1	220.2	256.1	293.0
67.5°	228.3	201.1	182.6	168.6	167.8	167.1	167.8	168.6	182.6	201.1	228.3
70°	191.5	169.4	159.2	151.2	149.9	148.6	149.9	151.2	159.2	169.4	191.5
72.5°	162.9	144.7	138.0	132.8	132.0	131.3	132.0	132.8	138.0	144.7	162.9
75°	124.9	112.4	109.2	106.6	105.9	105.3	105.9	106.6	109.2	112.4	124.9
77.5°	91.9	84.0	82.3	80.9	80.3	79.6	80.3	80.9	82.3	84.0	91.9
80°	71.2	66.0	65.4	64.8	64.1	63.5	64.1	64.8	65.4	66.0	71.2
82.5°	52.7	49.9	49.2	48.5	47.3	46.2	47.3	48.5	49.2	49.9	52.7
85°	28.1	26.1	23.6	21.2	19.2	17.3	19.2	21.2	23.6	26.1	28.1
87.5°	15.2	16.4	18.7	20.0	21.6	20.8	21.6	20.0	18.7	16.4	15.2
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: P1428141

CATALOG NUMBER: SQ2W-PP3-K-150U-075D-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: P1428141

CATALOG NUMBER: SQ2W-PP3-K-150U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1364.7	1364.7	1364.7	1364.7
2.5°	1369.7	1371.7	1363.0	1354.3
5°	1369.0	1370.6	1359.7	1348.8
7.5°	1364.5	1365.9	1354.8	1343.6
10°	1357.9	1359.4	1349.8	1340.2
12.5°	1346.8	1348.0	1338.9	1329.8
15°	1328.1	1328.0	1319.6	1311.3
17.5°	1308.8	1306.5	1296.3	1286.2
20°	1295.0	1290.9	1278.8	1266.6
22.5°	1279.6	1274.3	1260.0	1245.8
25°	1253.1	1242.9	1228.8	1214.7
27.5°	1223.9	1206.3	1192.3	1178.3
30°	1201.2	1181.0	1167.5	1154.1
32.5°	1173.5	1152.0	1138.0	1124.1
35°	1128.1	1103.1	1089.6	1076.2
37.5°	1079.6	1051.6	1036.3	1021.1
40°	1047.3	1019.3	999.4	979.5
42.5°	1012.7	990.2	964.6	939.1
45°	951.1	937.4	907.2	877.1
47.5°	866.7	870.5	840.8	811.0
50°	802.1	822.4	794.2	766.0
52.5°	734.8	765.5	740.4	715.2
55°	637.1	670.8	653.5	636.2
57.5°	538.9	565.3	553.1	541.0
60°	472.7	496.7	487.1	477.5
62.5°	411.9	437.0	428.4	419.8
65°	330.8	357.1	348.8	340.4
67.5°	264.4	289.1	280.0	270.9
70°	225.5	248.6	239.0	229.4
72.5°	192.8	213.0	203.9	194.7
75°	146.7	161.2	154.2	147.1
77.5°	106.2	115.7	111.2	106.8
80°	80.8	87.5	85.6	83.7
82.5°	57.7	61.6	62.3	62.9
85°	29.3	30.6	31.9	33.2
87.5°	15.7	14.8	13.2	11.6
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: P1428141

CATALOG NUMBER: SQ2W-PP3-K-150U-075D-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: P1428141
 CATALOG NUMBER: SQ2W-PP3-K-150U-075D-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	16.87	17.61	17.93	18.67	20.11	12.64	13.38	13.71	14.44	15.89
	3H	17.92	18.58	18.99	19.65	21.11	13.94	14.60	15.02	15.67	17.13
	4H	18.28	18.91	19.37	19.98	21.45	14.49	15.11	15.58	16.19	17.66
	6H	18.47	19.04	19.56	20.12	21.60	14.85	15.42	15.94	16.50	17.98
	8H	18.53	19.07	19.63	20.17	21.64	14.97	15.52	16.07	16.61	18.09
	12H	18.55	19.06	19.65	20.15	21.65	15.01	15.52	16.11	16.61	18.11
4H	2H	16.97	17.59	18.07	18.67	20.14	13.53	14.16	14.63	15.23	16.70
	3H	18.25	18.77	19.35	19.87	21.36	14.95	15.46	16.04	16.56	18.05
	4H	18.76	19.23	19.86	20.32	21.83	15.56	16.03	16.67	17.13	18.63
	6H	19.07	19.47	20.18	20.59	22.08	16.00	16.41	17.11	17.52	19.02
	8H	19.17	19.55	20.28	20.66	22.17	16.17	16.55	17.28	17.65	19.17
	12H	19.21	19.55	20.34	20.67	22.19	16.21	16.55	17.34	17.67	19.19
8H	4H	18.77	19.15	19.88	20.25	21.77	15.86	16.24	16.97	17.35	18.86
	6H	19.18	19.49	20.31	20.64	22.15	16.42	16.73	17.55	17.88	19.39
	8H	19.36	19.63	20.49	20.76	22.29	16.66	16.94	17.80	18.07	19.60
	12H	19.45	19.69	20.59	20.81	22.38	16.76	17.00	17.90	18.13	19.69
12H	4H	18.72	19.06	19.85	20.18	21.70	15.87	16.21	17.00	17.33	18.85
	6H	19.17	19.44	20.31	20.57	22.10	16.48	16.76	17.62	17.89	19.41
	8H	19.36	19.60	20.50	20.73	22.29	16.75	16.99	17.89	18.12	19.69