

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: P1428283

Luminaire Tested: SQ2W-PR1-K-125U-075D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428283
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PR1-K-125U-075D-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

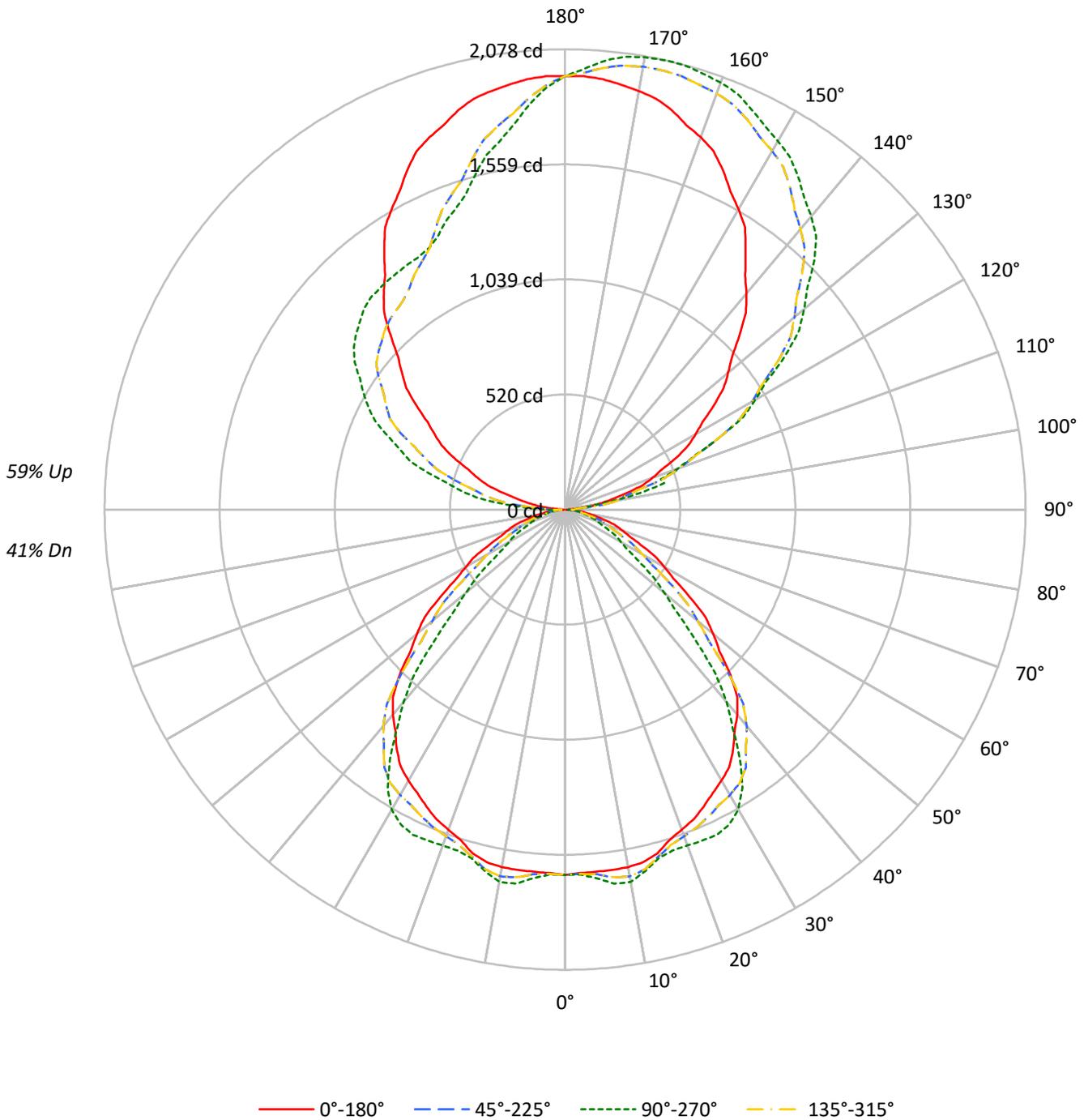
Lumens per Lamp: N/A
Luminaire Lumens: 9688.6 lumens
Efficiency: N/A
Efficacy: 137.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 70.7
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: P1428283

CATALOG NUMBER: SQ2W-PR1-K-125U-075D-L840-UNV-STD-W-WM-4

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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41				41
1	96	92	89	85	88	84	81	78	69	67	65	56	54	53	43	42	41				36	
2	88	81	75	70	80	74	69	65	61	58	55	49	47	45	39	37	36				31	
3	81	72	65	59	73	66	60	55	55	50	47	44	41	39	35	33	31				26	
4	74	64	56	50	67	58	52	47	49	44	40	40	36	33	31	29	27				23	
5	68	57	49	43	62	52	46	40	44	39	35	36	32	29	28	26	24				20	
6	63	51	43	38	57	47	40	35	39	34	30	32	29	26	26	23	21				18	
7	58	46	38	33	53	43	36	31	36	31	27	29	26	23	24	21	19				16	
8	54	42	34	29	49	39	32	27	33	28	24	27	23	20	22	19	17				14	
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	20	17	15				13	
10	47	35	28	23	43	32	26	22	28	23	19	23	19	17	19	16	14				12	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	26627	26627	26627	26627
5°	26593	27084	26593	27084
10°	26874	27976	26874	27976
15°	26865	27231	26865	27231
20°	26431	27730	26431	27730
25°	26355	28872	26355	28872
30°	26328	29149	26328	29149
35°	26078	27139	26078	27139
40°	25477	23882	25477	23882
45°	24107	18885	24107	18885
50°	21915	14654	21915	14654
55°	19259	11406	19259	11406
60°	16665	9390	16665	9390
65°	14387	8221	14387	8221
70°	12935	7303	12935	7303
75°	11853	6712	11853	6712
80°	10321	6564	10321	6564
85°	7466	3112	7466	3112

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 25881 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.3	1.6
10°-20°	461.1	4.8
20°-30°	712.7	7.4
30°-40°	857.1	8.8
40°-50°	769.7	7.9
50°-60°	515.7	5.3
60°-70°	300.0	3.1
70°-80°	154.1	1.6
80°-90°	46.1	0.5
90°-100°	155.7	1.6
100°-110°	454.1	4.7
110°-120°	741.1	7.6
120°-130°	940.4	9.7
130°-140°	1006.2	10.4
140°-150°	939.6	9.7
150°-160°	773.1	8.0
160°-170°	518.5	5.4
170°-180°	184.1	1.9
0°-30°	1333.1	13.8
0°-40°	2190.2	22.6
0°-60°	3475.6	35.9
0°-90°	3975.8	41.0
90°-120°	1350.9	13.9
90°-150°	4237.0	43.7
90°-180°	5713.0	59.0
0°-180°	9688.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1649	1649	1649	1649	1649	
5°	1641	1671	1641	1671	1641	157
15°	1607	1629	1607	1629	1607	451
25°	1479	1621	1479	1621	1479	682
35°	1323	1377	1323	1377	1323	825
45°	1056	827	1056	827	1056	808
55°	684	405	684	405	684	615
65°	377	215	377	215	377	381
75°	190	108	190	108	190	202
85°	40	17	40	17	40	50
90°	6	44	6	85	6	6
95°	61	46	61	267	61	74
105°	288	462	288	636	288	307
115°	553	767	553	945	553	545
125°	818	1215	818	1158	818	732
135°	1113	1591	1113	1283	1113	860
145°	1421	1834	1421	1310	1421	889
155°	1688	1992	1688	1360	1688	776
165°	1866	2077	1866	1565	1866	525
175°	1951	2034	1951	1836	1951	185
180°	1956	1956	1956	1956	1956	



TEST NUMBER: P1428283

CATALOG NUMBER: SQ2W-PR1-K-125U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2
2.5°	1642.5	1651.5	1660.5	1656.4	1648.0	1644.2	1644.8	1645.7	1647.4	1649.2	1647.4
5°	1640.8	1653.5	1666.2	1663.3	1655.0	1651.7	1653.2	1656.2	1663.6	1671.1	1663.6
7.5°	1640.5	1658.6	1676.7	1678.0	1673.9	1673.9	1678.3	1684.0	1693.8	1703.7	1693.8
10°	1639.2	1660.8	1682.5	1685.7	1682.7	1681.6	1682.3	1685.5	1695.9	1706.4	1695.9
12.5°	1631.1	1656.3	1681.6	1678.9	1667.0	1660.5	1659.4	1660.1	1665.8	1671.4	1665.8
15°	1607.2	1637.1	1667.0	1654.8	1628.7	1616.7	1619.0	1621.6	1625.3	1629.1	1625.3
17.5°	1565.2	1596.4	1627.6	1616.7	1591.8	1583.3	1591.4	1599.3	1606.6	1613.9	1606.6
20°	1538.3	1568.9	1599.6	1592.1	1571.9	1567.1	1577.5	1588.5	1601.2	1613.9	1601.2
22.5°	1514.1	1544.7	1575.3	1570.6	1554.0	1553.0	1567.6	1583.0	1600.5	1618.0	1600.5
25°	1479.4	1506.3	1533.2	1533.8	1525.6	1533.8	1558.5	1581.8	1601.2	1620.7	1601.2
27.5°	1443.1	1459.0	1474.8	1485.3	1493.9	1514.9	1548.3	1576.7	1590.3	1603.9	1590.3
30°	1412.2	1422.7	1433.1	1452.5	1475.0	1500.7	1529.9	1553.0	1558.3	1563.5	1558.3
32.5°	1378.6	1384.8	1391.1	1418.5	1452.8	1477.7	1493.1	1503.0	1496.3	1489.5	1496.3
35°	1323.1	1328.3	1333.6	1368.5	1413.3	1429.8	1417.8	1405.3	1391.1	1376.9	1391.1
37.5°	1257.2	1267.9	1278.7	1307.2	1341.5	1341.2	1306.3	1276.0	1259.7	1243.4	1259.7
40°	1208.8	1226.7	1244.6	1263.7	1283.1	1266.7	1214.4	1170.5	1151.8	1133.1	1151.8
42.5°	1149.6	1178.3	1207.0	1211.2	1207.4	1172.1	1105.4	1049.7	1026.9	1004.0	1026.9
45°	1055.8	1094.6	1133.5	1111.3	1068.7	1011.1	938.7	878.0	852.5	827.1	852.5
47.5°	945.2	985.1	1025.0	983.0	913.9	846.9	782.2	727.7	704.0	680.2	704.0
50°	872.5	904.7	936.8	889.3	815.4	748.1	687.6	635.7	609.5	583.4	609.5
52.5°	798.6	821.7	844.9	797.9	727.5	662.1	601.5	550.2	526.4	502.7	526.4
55°	684.2	696.2	708.2	664.6	602.6	542.8	485.3	438.0	421.6	405.2	421.6
57.5°	579.3	587.0	594.6	553.3	495.8	442.6	393.7	354.1	342.0	329.8	342.0
60°	516.1	521.4	526.6	484.7	427.2	379.4	341.3	310.3	300.6	290.8	300.6
62.5°	458.3	462.3	466.4	426.0	370.9	328.1	297.8	273.2	265.9	258.6	265.9
65°	376.6	380.3	384.1	349.7	302.6	267.5	244.3	225.7	220.4	215.2	220.4
67.5°	311.7	313.6	315.6	287.3	248.9	220.5	202.3	187.4	182.5	177.5	182.5
70°	274.0	274.8	275.5	250.5	216.9	191.8	175.4	162.1	158.4	154.7	158.4
72.5°	240.4	239.4	238.3	216.0	186.5	165.1	151.6	140.9	138.4	135.8	138.4
75°	190.0	187.7	185.5	167.0	143.1	126.6	117.7	110.6	109.1	107.6	109.1
77.5°	141.9	139.5	137.1	121.7	102.0	90.6	87.6	85.4	85.4	85.4	85.4
80°	111.0	108.0	105.0	93.0	78.1	70.6	70.6	70.6	70.6	70.6	70.6
82.5°	82.7	78.5	74.3	67.0	58.7	54.5	54.5	54.3	53.7	53.1	53.7
85°	40.3	36.6	32.9	31.9	31.9	29.7	25.2	21.3	19.1	16.8	19.1
87.5°	11.9	13.5	15.5	14.8	13.0	11.9	11.9	12.3	12.7	12.7	12.7
90°	5.9	13.8	23.7	31.6	37.5	39.5	39.5	41.5	43.5	43.5	43.5
92.5°	21.7	34.4	34.8	34.8	42.3	45.9	49.0	49.4	51.4	51.4	51.4
95°	61.3	67.2	100.8	98.8	67.2	53.4	45.5	45.5	45.5	45.5	45.5
97.5°	117.0	125.7	131.2	175.9	185.8	179.4	146.2	122.9	109.9	104.0	109.9
100°	166.0	170.0	181.8	183.8	233.2	280.6	256.9	227.3	217.4	211.5	217.4
102.5°	215.0	217.4	235.6	243.9	255.3	282.2	364.4	355.3	348.6	347.4	348.6
105°	288.5	290.5	324.1	339.9	347.8	347.8	345.9	385.4	448.6	462.5	448.6
107.5°	367.2	376.3	415.8	458.1	467.2	469.6	459.3	453.4	451.0	452.6	451.0
110°	421.0	434.8	482.2	535.6	549.4	553.4	549.4	543.5	539.5	539.5	539.5



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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2
2.5°	1645.7	1644.8	1644.2	1648.0	1656.4	1660.5	1651.5	1642.5	1651.5	1660.5	1656.4
5°	1656.2	1653.2	1651.7	1655.0	1663.3	1666.2	1653.5	1640.8	1653.5	1666.2	1663.3
7.5°	1684.0	1678.3	1673.9	1673.9	1678.0	1676.7	1658.6	1640.5	1658.6	1676.7	1678.0
10°	1685.5	1682.3	1681.6	1682.7	1685.7	1682.5	1660.8	1639.2	1660.8	1682.5	1685.7
12.5°	1660.1	1659.4	1660.5	1667.0	1678.9	1681.6	1656.3	1631.1	1656.3	1681.6	1678.9
15°	1621.6	1619.0	1616.7	1628.7	1654.8	1667.0	1637.1	1607.2	1637.1	1667.0	1654.8
17.5°	1599.3	1591.4	1583.3	1591.8	1616.7	1627.6	1596.4	1565.2	1596.4	1627.6	1616.7
20°	1588.5	1577.5	1567.1	1571.9	1592.1	1599.6	1568.9	1538.3	1568.9	1599.6	1592.1
22.5°	1583.0	1567.6	1553.0	1554.0	1570.6	1575.3	1544.7	1514.1	1544.7	1575.3	1570.6
25°	1581.8	1558.5	1533.8	1525.6	1533.8	1533.2	1506.3	1479.4	1506.3	1533.2	1533.8
27.5°	1576.7	1548.3	1514.9	1493.9	1485.3	1474.8	1459.0	1443.1	1459.0	1474.8	1485.3
30°	1553.0	1529.9	1500.7	1475.0	1452.5	1433.1	1422.7	1412.2	1422.7	1433.1	1452.5
32.5°	1503.0	1493.1	1477.7	1452.8	1418.5	1391.1	1384.8	1378.6	1384.8	1391.1	1418.5
35°	1405.3	1417.8	1429.8	1413.3	1368.5	1333.6	1328.3	1323.1	1328.3	1333.6	1368.5
37.5°	1276.0	1306.3	1341.2	1341.5	1307.2	1278.7	1267.9	1257.2	1267.9	1278.7	1307.2
40°	1170.5	1214.4	1266.7	1283.1	1263.7	1244.6	1226.7	1208.8	1226.7	1244.6	1263.7
42.5°	1049.7	1105.4	1172.1	1207.4	1211.2	1207.0	1178.3	1149.6	1178.3	1207.0	1211.2
45°	878.0	938.7	1011.1	1068.7	1111.3	1133.5	1094.6	1055.8	1094.6	1133.5	1111.3
47.5°	727.7	782.2	846.9	913.9	983.0	1025.0	985.1	945.2	985.1	1025.0	983.0
50°	635.7	687.6	748.1	815.4	889.3	936.8	904.7	872.5	904.7	936.8	889.3
52.5°	550.2	601.5	662.1	727.5	797.9	844.9	821.7	798.6	821.7	844.9	797.9
55°	438.0	485.3	542.8	602.6	664.6	708.2	696.2	684.2	696.2	708.2	664.6
57.5°	354.1	393.7	442.6	495.8	553.3	594.6	587.0	579.3	587.0	594.6	553.3
60°	310.3	341.3	379.4	427.2	484.7	526.6	521.4	516.1	521.4	526.6	484.7
62.5°	273.2	297.8	328.1	370.9	426.0	466.4	462.3	458.3	462.3	466.4	426.0
65°	225.7	244.3	267.5	302.6	349.7	384.1	380.3	376.6	380.3	384.1	349.7
67.5°	187.4	202.3	220.5	248.9	287.3	315.6	313.6	311.7	313.6	315.6	287.3
70°	162.1	175.4	191.8	216.9	250.5	275.5	274.8	274.0	274.8	275.5	250.5
72.5°	140.9	151.6	165.1	186.5	216.0	238.3	239.4	240.4	239.4	238.3	216.0
75°	110.6	117.7	126.6	143.1	167.0	185.5	187.7	190.0	187.7	185.5	167.0
77.5°	85.4	87.6	90.6	102.0	121.7	137.1	139.5	141.9	139.5	137.1	121.7
80°	70.6	70.6	70.6	78.1	93.0	105.0	108.0	111.0	108.0	105.0	93.0
82.5°	54.3	54.5	54.5	58.7	67.0	74.3	78.5	82.7	78.5	74.3	67.0
85°	21.3	25.2	29.7	31.9	31.9	32.9	36.6	40.3	36.6	32.9	31.9
87.5°	12.3	11.9	11.9	13.0	14.8	15.5	13.5	11.9	13.5	15.1	15.6
90°	41.5	39.5	39.5	37.5	31.6	23.7	13.8	5.9	13.8	21.7	35.6
92.5°	49.4	49.0	45.9	42.3	34.8	34.8	34.4	21.7	37.5	53.4	76.7
95°	45.5	45.5	53.4	67.2	98.8	100.8	67.2	61.3	87.0	122.5	154.2
97.5°	122.9	146.2	179.4	185.8	175.9	131.2	125.7	117.0	159.3	194.5	245.5
100°	227.3	256.9	280.6	233.2	183.8	181.8	170.0	166.0	211.5	245.1	294.5
102.5°	355.3	364.4	282.2	255.3	243.9	235.6	217.4	215.0	260.5	306.7	348.2
105°	385.4	345.9	347.8	347.8	339.9	324.1	290.5	288.5	339.9	393.3	444.7
107.5°	453.4	459.3	469.6	467.2	458.1	415.8	376.3	367.2	413.4	477.5	534.0
110°	543.5	549.4	553.4	549.4	535.6	482.2	434.8	421.0	462.5	529.7	590.9



TEST NUMBER: P1428283

CATALOG NUMBER: SQ2W-PR1-K-125U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1428283

CATALOG NUMBER: SQ2W-PR1-K-125U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2
2.5°	1648.0	1644.2	1644.8	1645.7	1647.4	1649.2	1647.4	1645.7	1644.8	1644.2	1648.0
5°	1655.0	1651.7	1653.2	1656.2	1663.6	1671.1	1663.6	1656.2	1653.2	1651.7	1655.0
7.5°	1673.9	1673.9	1678.3	1684.0	1693.8	1703.7	1693.8	1684.0	1678.3	1673.9	1673.9
10°	1682.7	1681.6	1682.3	1685.5	1695.9	1706.4	1695.9	1685.5	1682.3	1681.6	1682.7
12.5°	1667.0	1660.5	1659.4	1660.1	1665.8	1671.4	1665.8	1660.1	1659.4	1660.5	1667.0
15°	1628.7	1616.7	1619.0	1621.6	1625.3	1629.1	1625.3	1621.6	1619.0	1616.7	1628.7
17.5°	1591.8	1583.3	1591.4	1599.3	1606.6	1613.9	1606.6	1599.3	1591.4	1583.3	1591.8
20°	1571.9	1567.1	1577.5	1588.5	1601.2	1613.9	1601.2	1588.5	1577.5	1567.1	1571.9
22.5°	1554.0	1553.0	1567.6	1583.0	1600.5	1618.0	1600.5	1583.0	1567.6	1553.0	1554.0
25°	1525.6	1533.8	1558.5	1581.8	1601.2	1620.7	1601.2	1581.8	1558.5	1533.8	1525.6
27.5°	1493.9	1514.9	1548.3	1576.7	1590.3	1603.9	1590.3	1576.7	1548.3	1514.9	1493.9
30°	1475.0	1500.7	1529.9	1553.0	1558.3	1563.5	1558.3	1553.0	1529.9	1500.7	1475.0
32.5°	1452.8	1477.7	1493.1	1503.0	1496.3	1489.5	1496.3	1503.0	1493.1	1477.7	1452.8
35°	1413.3	1429.8	1417.8	1405.3	1391.1	1376.9	1391.1	1405.3	1417.8	1429.8	1413.3
37.5°	1341.5	1341.2	1306.3	1276.0	1259.7	1243.4	1259.7	1276.0	1306.3	1341.2	1341.5
40°	1283.1	1266.7	1214.4	1170.5	1151.8	1133.1	1151.8	1170.5	1214.4	1266.7	1283.1
42.5°	1207.4	1172.1	1105.4	1049.7	1026.9	1004.0	1026.9	1049.7	1105.4	1172.1	1207.4
45°	1068.7	1011.1	938.7	878.0	852.5	827.1	852.5	878.0	938.7	1011.1	1068.7
47.5°	913.9	846.9	782.2	727.7	704.0	680.2	704.0	727.7	782.2	846.9	913.9
50°	815.4	748.1	687.6	635.7	609.5	583.4	609.5	635.7	687.6	748.1	815.4
52.5°	727.5	662.1	601.5	550.2	526.4	502.7	526.4	550.2	601.5	662.1	727.5
55°	602.6	542.8	485.3	438.0	421.6	405.2	421.6	438.0	485.3	542.8	602.6
57.5°	495.8	442.6	393.7	354.1	342.0	329.8	342.0	354.1	393.7	442.6	495.8
60°	427.2	379.4	341.3	310.3	300.6	290.8	300.6	310.3	341.3	379.4	427.2
62.5°	370.9	328.1	297.8	273.2	265.9	258.6	265.9	273.2	297.8	328.1	370.9
65°	302.6	267.5	244.3	225.7	220.4	215.2	220.4	225.7	244.3	267.5	302.6
67.5°	248.9	220.5	202.3	187.4	182.5	177.5	182.5	187.4	202.3	220.5	248.9
70°	216.9	191.8	175.4	162.1	158.4	154.7	158.4	162.1	175.4	191.8	216.9
72.5°	186.5	165.1	151.6	140.9	138.4	135.8	138.4	140.9	151.6	165.1	186.5
75°	143.1	126.6	117.7	110.6	109.1	107.6	109.1	110.6	117.7	126.6	143.1
77.5°	102.0	90.6	87.6	85.4	85.4	85.4	85.4	85.4	87.6	90.6	102.0
80°	78.1	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	78.1
82.5°	58.7	54.5	54.5	54.3	53.7	53.1	53.7	54.3	54.5	54.5	58.7
85°	31.9	29.7	25.2	21.3	19.1	16.8	19.1	21.3	25.2	29.7	31.9
87.5°	14.6	15.9	18.7	20.2	21.8	21.0	21.8	20.2	18.7	15.9	14.6
90°	45.5	59.3	73.1	81.0	88.9	85.0	88.9	81.0	73.1	59.3	45.5
92.5°	91.3	114.6	131.6	145.9	152.2	151.4	152.2	145.9	131.6	114.6	91.3
95°	183.8	211.5	239.1	258.9	270.8	266.8	270.8	258.9	239.1	211.5	183.8
97.5°	283.4	320.6	351.4	370.0	381.8	389.7	381.8	370.0	351.4	320.6	283.4
100°	349.8	385.4	421.0	442.7	462.5	470.4	462.5	442.7	421.0	385.4	349.8
102.5°	403.6	450.2	488.9	512.3	528.9	536.8	528.9	512.3	488.9	450.2	403.6
105°	492.1	541.5	583.0	612.7	630.4	636.4	630.4	612.7	583.0	541.5	492.1
107.5°	580.6	631.6	670.0	702.8	724.5	737.2	724.5	702.8	670.0	631.6	580.6
110°	650.2	691.7	733.2	762.9	784.6	792.5	784.6	762.9	733.2	691.7	650.2



TEST NUMBER: P1428283

CATALOG NUMBER: SQ2W-PR1-K-125U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1428283

CATALOG NUMBER: SQ2W-PR1-K-125U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1649.2	1649.2	1649.2	1649.2
2.5°	1656.4	1660.5	1651.5	1642.5
5°	1663.3	1666.2	1653.5	1640.8
7.5°	1678.0	1676.7	1658.6	1640.5
10°	1685.7	1682.5	1660.8	1639.2
12.5°	1678.9	1681.6	1656.3	1631.1
15°	1654.8	1667.0	1637.1	1607.2
17.5°	1616.7	1627.6	1596.4	1565.2
20°	1592.1	1599.6	1568.9	1538.3
22.5°	1570.6	1575.3	1544.7	1514.1
25°	1533.8	1533.2	1506.3	1479.4
27.5°	1485.3	1474.8	1459.0	1443.1
30°	1452.5	1433.1	1422.7	1412.2
32.5°	1418.5	1391.1	1384.8	1378.6
35°	1368.5	1333.6	1328.3	1323.1
37.5°	1307.2	1278.7	1267.9	1257.2
40°	1263.7	1244.6	1226.7	1208.8
42.5°	1211.2	1207.0	1178.3	1149.6
45°	1111.3	1133.5	1094.6	1055.8
47.5°	983.0	1025.0	985.1	945.2
50°	889.3	936.8	904.7	872.5
52.5°	797.9	844.9	821.7	798.6
55°	664.6	708.2	696.2	684.2
57.5°	553.3	594.6	587.0	579.3
60°	484.7	526.6	521.4	516.1
62.5°	426.0	466.4	462.3	458.3
65°	349.7	384.1	380.3	376.6
67.5°	287.3	315.6	313.6	311.7
70°	250.5	275.5	274.8	274.0
72.5°	216.0	238.3	239.4	240.4
75°	167.0	185.5	187.7	190.0
77.5°	121.7	137.1	139.5	141.9
80°	93.0	105.0	108.0	111.0
82.5°	67.0	74.3	78.5	82.7
85°	31.9	32.9	36.6	40.3
87.5°	15.6	15.1	13.5	11.9
90°	35.6	21.7	13.8	5.9
92.5°	76.7	53.4	37.5	21.7
95°	154.2	122.5	87.0	61.3
97.5°	245.5	194.5	159.3	117.0
100°	294.5	245.1	211.5	166.0
102.5°	348.2	306.7	260.5	215.0
105°	444.7	393.3	339.9	288.5
107.5°	534.0	477.5	413.4	367.2
110°	590.9	529.7	462.5	421.0



TEST NUMBER: P1428283

CATALOG NUMBER: SQ2W-PR1-K-125U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1428283
 CATALOG NUMBER: SQ2W-PR1-K-125U-075D-L840-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	17.17	17.93	18.21	18.97	20.36	13.54	14.30	14.58	15.34	16.73
	3H	18.37	19.04	19.42	20.09	21.51	14.69	15.37	15.74	16.42	17.83
	4H	18.85	19.49	19.91	20.54	21.96	15.15	15.79	16.21	16.84	18.27
	6H	19.14	19.73	20.21	20.78	22.22	15.49	16.08	16.56	17.13	18.57
	8H	19.24	19.80	20.32	20.87	22.30	15.62	16.18	16.70	17.25	18.68
	12H	19.28	19.81	20.36	20.87	22.33	15.65	16.18	16.73	17.25	18.70
4H	2H	17.26	17.90	18.33	18.95	20.37	14.24	14.88	15.31	15.93	17.35
	3H	18.71	19.24	19.79	20.32	21.76	15.58	16.11	16.66	17.19	18.63
	4H	19.34	19.82	20.42	20.89	22.35	16.13	16.61	17.20	17.68	19.14
	6H	19.76	20.18	20.85	21.27	22.72	16.55	16.97	17.64	18.06	19.51
	8H	19.92	20.31	21.01	21.39	22.86	16.73	17.12	17.82	18.21	19.67
	12H	19.98	20.33	21.09	21.43	22.90	16.78	17.13	17.88	18.23	19.70
8H	4H	19.35	19.74	20.44	20.83	22.29	16.45	16.83	17.53	17.92	19.38
	6H	19.88	20.20	20.99	21.33	22.79	16.98	17.30	18.09	18.43	19.89
	8H	20.12	20.40	21.23	21.51	22.99	17.24	17.52	18.36	18.63	20.12
	12H	20.23	20.48	21.35	21.58	23.11	17.33	17.58	18.45	18.68	20.21
12H	4H	19.31	19.66	20.41	20.76	22.23	16.46	16.81	17.56	17.91	19.38
	6H	19.87	20.15	20.99	21.26	22.75	17.05	17.33	18.17	18.44	19.93
	8H	20.12	20.37	21.24	21.47	22.99	17.34	17.59	18.46	18.69	20.21