

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: P1428459

Luminaire Tested: SQ2W-PW1-K-125U-100D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428459
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-L935-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: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

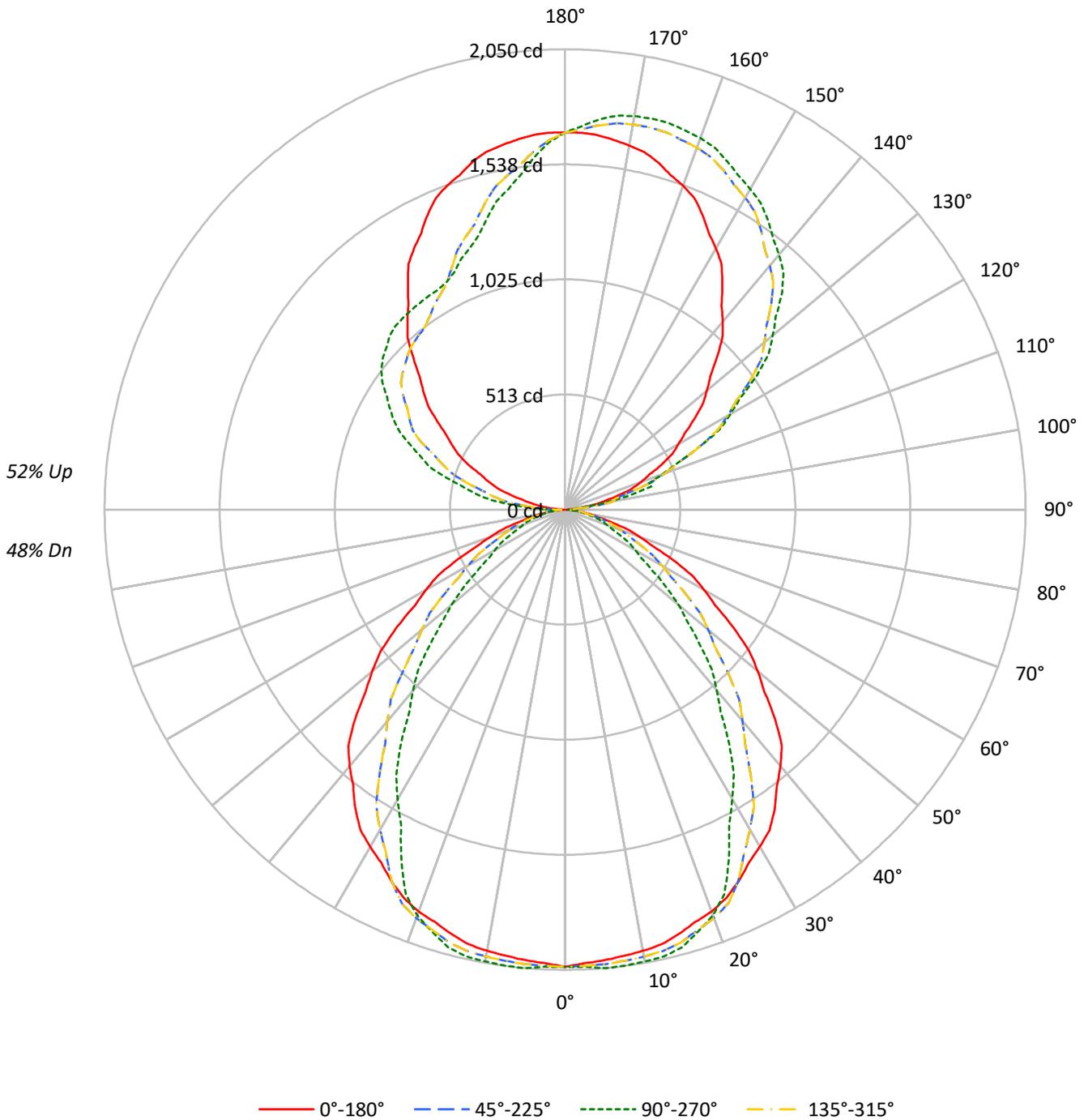
Lumens per Lamp: N/A
Luminaire Lumens: 9427.9 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	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	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	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	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	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	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	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	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	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	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	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	14	14	14		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	32880	32880	32880	32880
5°	32661	33226	32661	33226
10°	32720	33516	32720	33516
15°	32711	33718	32711	33718
20°	32726	33059	32726	33059
25°	32549	30718	32549	30718
30°	32327	27771	32327	27771
35°	32074	25079	32074	25079
40°	31436	22156	31436	22156
45°	30204	19353	30204	19353
50°	28110	16565	28110	16565
55°	25714	13430	25714	13430
60°	23049	11586	23049	11586
65°	20156	10300	20156	10300
70°	16480	9337	16480	9337
75°	12826	8590	12826	8590
80°	9558	7578	9558	7578
85°	6465	4316	6465	4316

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 30204 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.9	2.1
10°-20°	561.9	6.0
20°-30°	826.9	8.8
30°-40°	904.1	9.6
40°-50°	811.1	8.6
50°-60°	605.0	6.4
60°-70°	382.4	4.1
70°-80°	189.4	2.0
80°-90°	51.3	0.5
90°-100°	133.6	1.4
100°-110°	389.6	4.1
110°-120°	635.9	6.7
120°-130°	806.9	8.6
130°-140°	863.4	9.2
140°-150°	806.2	8.6
150°-160°	663.4	7.0
160°-170°	444.9	4.7
170°-180°	158.0	1.7
0°-30°	1582.7	16.8
0°-40°	2486.8	26.4
0°-60°	3902.8	41.4
0°-90°	4525.9	48.0
90°-120°	1159.2	12.3
90°-150°	3635.7	38.6
90°-180°	4902.0	52.0
0°-180°	9427.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2036	2036	2036	2036	2036	
5°	2015	2050	2015	2050	2015	192
15°	1957	2017	1957	2017	1957	553
25°	1827	1724	1827	1724	1827	841
35°	1627	1272	1627	1272	1627	1015
45°	1323	848	1323	848	1323	1014
55°	914	477	914	477	914	816
65°	528	270	528	270	528	523
75°	206	138	206	138	206	226
85°	35	23	35	23	35	44
90°	5	37	5	73	5	5
95°	53	39	53	229	53	63
105°	248	397	248	546	248	263
115°	475	658	475	811	475	468
125°	702	1043	702	994	702	628
135°	955	1365	955	1101	955	738
145°	1219	1574	1219	1124	1219	763
155°	1448	1709	1448	1167	1448	666
165°	1601	1782	1601	1343	1601	451
175°	1674	1745	1674	1575	1674	159
180°	1679	1679	1679	1679	1679	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5
2.5°	2022.6	2034.3	2046.0	2043.3	2035.7	2032.2	2032.9	2034.0	2036.0	2038.1	2036.0
5°	2015.2	2029.9	2044.5	2042.4	2034.6	2031.2	2032.0	2034.6	2042.4	2050.1	2042.4
7.5°	2005.1	2020.0	2034.8	2034.1	2028.2	2026.8	2029.7	2033.8	2041.4	2049.0	2041.4
10°	1995.8	2011.3	2026.9	2026.9	2021.7	2021.2	2025.6	2030.5	2037.4	2044.3	2037.4
12.5°	1983.4	1999.6	2015.8	2017.0	2013.2	2013.8	2018.8	2024.3	2031.2	2038.1	2031.2
15°	1957.0	1974.3	1991.5	1995.2	1994.3	1996.9	2002.9	2008.5	2012.8	2017.2	2012.8
17.5°	1926.4	1943.6	1960.9	1964.3	1963.1	1963.2	1964.8	1966.5	1968.5	1970.6	1968.5
20°	1904.7	1921.9	1939.1	1941.5	1938.9	1934.6	1928.6	1924.1	1924.1	1924.1	1924.1
22.5°	1873.6	1892.2	1910.9	1911.0	1905.0	1893.8	1877.4	1863.7	1858.2	1852.7	1858.2
25°	1827.1	1845.2	1863.3	1854.9	1837.6	1812.2	1778.6	1750.1	1737.2	1724.3	1737.2
27.5°	1772.8	1787.4	1802.1	1780.1	1746.0	1705.1	1657.3	1617.0	1599.1	1581.1	1599.1
30°	1734.0	1745.2	1756.4	1721.7	1671.7	1620.4	1567.8	1524.1	1506.8	1489.6	1506.8
32.5°	1693.6	1697.9	1702.3	1656.5	1594.1	1535.6	1480.9	1435.3	1416.7	1398.0	1416.7
35°	1627.3	1619.5	1611.8	1551.0	1472.6	1405.8	1350.6	1305.1	1288.7	1272.4	1288.7
37.5°	1548.9	1525.8	1502.7	1434.2	1350.6	1279.9	1222.2	1174.3	1156.2	1138.1	1156.2
40°	1491.5	1458.8	1426.0	1352.5	1265.5	1193.1	1135.3	1087.5	1069.4	1051.2	1069.4
42.5°	1427.9	1386.9	1345.8	1270.3	1183.2	1110.8	1053.1	1005.0	986.3	967.5	986.3
45°	1322.8	1274.5	1226.2	1147.6	1058.8	986.4	930.3	883.8	865.7	847.6	865.7
47.5°	1204.5	1156.5	1108.6	1030.2	941.6	870.1	815.8	771.2	755.7	740.1	755.7
50°	1119.1	1072.6	1026.0	951.0	866.6	797.2	742.9	697.4	678.4	659.5	678.4
52.5°	1032.2	990.5	948.8	876.6	794.1	725.1	669.4	621.2	595.3	569.5	595.3
55°	913.5	873.9	834.2	766.1	688.5	618.7	556.7	506.4	491.8	477.1	491.8
57.5°	791.3	757.0	722.7	661.5	591.4	528.1	471.7	426.4	414.3	402.3	414.3
60°	713.8	683.6	653.4	594.8	526.7	468.9	421.5	383.0	370.9	358.8	370.9
62.5°	639.3	612.6	585.8	529.6	463.6	411.7	373.9	343.1	333.1	323.1	333.1
65°	527.6	507.7	487.9	441.6	386.4	343.3	312.3	286.8	278.2	269.6	278.2
67.5°	418.9	407.9	396.9	362.2	319.6	284.7	257.4	235.6	229.9	224.2	229.9
70°	349.1	345.7	342.2	313.6	276.5	246.8	224.3	206.5	202.1	197.8	202.1
72.5°	288.6	290.0	291.4	267.5	235.3	210.4	192.8	178.9	175.9	173.0	175.9
75°	205.6	212.5	219.4	203.7	180.4	162.7	150.6	141.2	139.4	137.7	139.4
77.5°	140.0	150.4	160.7	150.5	133.4	120.4	111.5	104.4	103.0	101.6	103.0
80°	102.8	113.1	123.5	116.4	103.4	93.5	86.6	81.5	81.5	81.5	81.5
82.5°	71.8	80.0	88.3	83.3	73.8	67.3	63.9	61.3	61.3	61.3	61.3
85°	34.9	39.2	43.5	42.0	38.6	34.3	29.1	25.0	24.1	23.3	24.1
87.5°	10.3	13.8	17.5	16.8	14.4	12.6	12.0	11.8	12.1	12.1	12.1
90°	5.1	11.9	20.3	27.1	32.2	33.9	33.9	35.6	37.3	37.3	37.3
92.5°	18.7	29.5	29.8	29.8	36.3	39.3	42.1	42.4	44.1	44.1	44.1
95°	52.6	57.7	86.5	84.8	57.7	45.8	39.0	39.0	39.0	39.0	39.0
97.5°	100.4	107.9	112.6	150.9	159.4	154.0	125.5	105.5	94.3	89.2	94.3
100°	142.4	145.8	156.0	157.7	200.1	240.8	220.5	195.0	186.5	181.5	186.5
102.5°	184.5	186.5	202.1	209.3	219.1	242.2	312.7	304.9	299.1	298.1	299.1
105°	247.6	249.3	278.1	291.7	298.5	298.5	296.8	330.7	385.0	396.8	385.0
107.5°	315.1	322.9	356.8	393.1	400.9	402.9	394.1	389.0	387.0	388.3	387.0
110°	361.2	373.1	413.8	459.6	471.4	474.8	471.4	466.3	463.0	463.0	463.0

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	406.0	423.3	469.4	522.0	542.0	552.2	544.7	541.0	537.6	540.3	537.6
115°	474.8	500.3	561.3	615.6	656.3	661.4	659.7	659.7	658.0	658.0	658.0
117.5°	538.6	579.3	647.8	710.9	758.0	771.6	778.4	776.3	774.3	777.7	774.3
120°	583.4	630.8	708.9	780.1	825.9	846.2	853.0	849.6	853.0	849.6	853.0
122.5°	630.8	689.2	765.8	839.8	893.7	916.8	924.9	925.6	926.3	924.2	926.3
125°	702.1	773.3	863.2	939.5	995.4	1022.6	1029.4	1031.1	1034.4	1042.9	1034.4
127.5°	774.0	854.7	953.4	1027.0	1084.3	1117.2	1127.7	1131.4	1138.6	1142.3	1138.6
130°	824.2	915.7	1015.8	1085.3	1141.3	1176.9	1195.6	1200.6	1209.1	1207.4	1209.1
132.5°	877.1	972.7	1074.1	1146.4	1198.3	1236.6	1252.5	1267.1	1270.2	1272.5	1270.2
135°	954.7	1058.2	1159.9	1231.2	1280.3	1317.7	1338.0	1351.6	1360.0	1365.1	1360.0
137.5°	1036.5	1145.7	1243.4	1306.8	1356.3	1388.5	1411.6	1425.8	1434.7	1438.7	1434.7
140°	1092.1	1197.2	1292.2	1358.3	1402.4	1434.7	1455.0	1472.0	1482.1	1482.1	1482.1
142.5°	1145.0	1248.8	1341.1	1407.2	1445.9	1475.4	1497.1	1510.0	1521.5	1521.5	1521.5
145°	1219.3	1322.7	1407.5	1473.7	1505.9	1533.0	1556.8	1566.9	1573.7	1573.7	1573.7
147.5°	1297.0	1388.5	1465.9	1529.3	1556.4	1588.3	1607.0	1615.1	1623.6	1619.8	1623.6
150°	1343.1	1427.9	1502.5	1561.8	1589.0	1619.5	1638.2	1644.9	1653.4	1648.3	1653.4
152.5°	1387.9	1468.6	1536.4	1591.7	1614.8	1645.3	1666.6	1673.4	1679.2	1675.5	1679.2
155°	1448.2	1519.5	1582.2	1633.1	1653.4	1682.3	1702.6	1711.1	1717.9	1709.4	1717.9
157.5°	1502.2	1563.5	1618.1	1665.0	1686.7	1711.4	1730.4	1740.9	1747.7	1744.0	1747.7
160°	1534.7	1590.7	1639.9	1683.9	1704.3	1726.3	1746.7	1758.6	1765.3	1760.3	1765.3
162.5°	1561.8	1612.4	1658.8	1698.9	1716.5	1735.8	1760.3	1770.8	1777.6	1771.1	1777.6
165°	1600.9	1641.6	1682.3	1716.2	1731.4	1746.7	1772.1	1784.0	1789.1	1782.3	1789.1
167.5°	1630.4	1661.6	1694.5	1723.6	1734.8	1749.7	1775.2	1785.0	1791.5	1783.0	1791.5
170°	1646.6	1673.8	1702.6	1726.3	1734.8	1748.4	1773.8	1782.3	1787.4	1778.9	1787.4
172.5°	1660.2	1680.6	1704.0	1725.0	1729.4	1740.2	1764.3	1772.8	1776.5	1769.4	1776.5
175°	1673.8	1685.6	1702.6	1716.2	1714.5	1721.3	1741.6	1748.4	1755.2	1745.0	1755.2
177.5°	1680.2	1685.6	1691.1	1699.2	1693.8	1693.8	1708.7	1712.8	1714.1	1708.7	1714.1
180°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5
2.5°	2034.0	2032.9	2032.2	2035.7	2043.3	2046.0	2034.3	2022.6	2034.3	2046.0	2043.3
5°	2034.6	2032.0	2031.2	2034.6	2042.4	2044.5	2029.9	2015.2	2029.9	2044.5	2042.4
7.5°	2033.8	2029.7	2026.8	2028.2	2034.1	2034.8	2020.0	2005.1	2020.0	2034.8	2034.1
10°	2030.5	2025.6	2021.2	2021.7	2026.9	2026.9	2011.3	1995.8	2011.3	2026.9	2026.9
12.5°	2024.3	2018.8	2013.8	2013.2	2017.0	2015.8	1999.6	1983.4	1999.6	2015.8	2017.0
15°	2008.5	2002.9	1996.9	1994.3	1995.2	1991.5	1974.3	1957.0	1974.3	1991.5	1995.2
17.5°	1966.5	1964.8	1963.2	1963.1	1964.3	1960.9	1943.6	1926.4	1943.6	1960.9	1964.3
20°	1924.1	1928.6	1934.6	1938.9	1941.5	1939.1	1921.9	1904.7	1921.9	1939.1	1941.5
22.5°	1863.7	1877.4	1893.8	1905.0	1911.0	1910.9	1892.2	1873.6	1892.2	1910.9	1911.0
25°	1750.1	1778.6	1812.2	1837.6	1854.9	1863.3	1845.2	1827.1	1845.2	1863.3	1854.9
27.5°	1617.0	1657.3	1705.1	1746.0	1780.1	1802.1	1787.4	1772.8	1787.4	1802.1	1780.1
30°	1524.1	1567.8	1620.4	1671.7	1721.7	1756.4	1745.2	1734.0	1745.2	1756.4	1721.7
32.5°	1435.3	1480.9	1535.6	1594.1	1656.5	1702.3	1697.9	1693.6	1697.9	1702.3	1656.5
35°	1305.1	1350.6	1405.8	1472.6	1551.0	1611.8	1619.5	1627.3	1619.5	1611.8	1551.0
37.5°	1174.3	1222.2	1279.9	1350.6	1434.2	1502.7	1525.8	1548.9	1525.8	1502.7	1434.2
40°	1087.5	1135.3	1193.1	1265.5	1352.5	1426.0	1458.8	1491.5	1458.8	1426.0	1352.5
42.5°	1005.0	1053.1	1110.8	1183.2	1270.3	1345.8	1386.9	1427.9	1386.9	1345.8	1270.3
45°	883.8	930.3	986.4	1058.8	1147.6	1226.2	1274.5	1322.8	1274.5	1226.2	1147.6
47.5°	771.2	815.8	870.1	941.6	1030.2	1108.6	1156.5	1204.5	1156.5	1108.6	1030.2
50°	697.4	742.9	797.2	866.6	951.0	1026.0	1072.6	1119.1	1072.6	1026.0	951.0
52.5°	621.2	669.4	725.1	794.1	876.6	948.8	990.5	1032.2	990.5	948.8	876.6
55°	506.4	556.7	618.7	688.5	766.1	834.2	873.9	913.5	873.9	834.2	766.1
57.5°	426.4	471.7	528.1	591.4	661.5	722.7	757.0	791.3	757.0	722.7	661.5
60°	383.0	421.5	468.9	526.7	594.8	653.4	683.6	713.8	683.6	653.4	594.8
62.5°	343.1	373.9	411.7	463.6	529.6	585.8	612.6	639.3	612.6	585.8	529.6
65°	286.8	312.3	343.3	386.4	441.6	487.9	507.7	527.6	507.7	487.9	441.6
67.5°	235.6	257.4	284.7	319.6	362.2	396.9	407.9	418.9	407.9	396.9	362.2
70°	206.5	224.3	246.8	276.5	313.6	342.2	345.7	349.1	345.7	342.2	313.6
72.5°	178.9	192.8	210.4	235.3	267.5	291.4	290.0	288.6	290.0	291.4	267.5
75°	141.2	150.6	162.7	180.4	203.7	219.4	212.5	205.6	212.5	219.4	203.7
77.5°	104.4	111.5	120.4	133.4	150.5	160.7	150.4	140.0	150.4	160.7	150.5
80°	81.5	86.6	93.5	103.4	116.4	123.5	113.1	102.8	113.1	123.5	116.4
82.5°	61.3	63.9	67.3	73.8	83.3	88.3	80.0	71.8	80.0	88.3	83.3
85°	25.0	29.1	34.3	38.6	42.0	43.5	39.2	34.9	39.2	43.5	42.0
87.5°	11.8	12.0	12.6	14.4	16.8	17.5	13.8	10.3	13.8	17.2	17.5
90°	35.6	33.9	33.9	32.2	27.1	20.3	11.9	5.1	11.9	18.7	30.5
92.5°	42.4	42.1	39.3	36.3	29.8	29.8	29.5	18.7	32.2	45.8	65.8
95°	39.0	39.0	45.8	57.7	84.8	86.5	57.7	52.6	74.6	105.1	132.3
97.5°	105.5	125.5	154.0	159.4	150.9	112.6	107.9	100.4	136.7	166.9	210.6
100°	195.0	220.5	240.8	200.1	157.7	156.0	145.8	142.4	181.5	210.3	252.7
102.5°	304.9	312.7	242.2	219.1	209.3	202.1	186.5	184.5	223.5	263.2	298.8
105°	330.7	296.8	298.5	298.5	291.7	278.1	249.3	247.6	291.7	337.5	381.6
107.5°	389.0	394.1	402.9	400.9	393.1	356.8	322.9	315.1	354.8	409.7	458.2
110°	466.3	471.4	474.8	471.4	459.6	413.8	373.1	361.2	396.8	454.5	507.0



TEST NUMBER: P1428459

CATALOG NUMBER: SQ2W-PW1-K-125U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	541.0	544.7	552.2	542.0	522.0	469.4	423.3	406.0	441.6	500.6	554.5
115°	659.7	659.7	661.4	656.3	615.6	561.3	500.3	474.8	505.4	559.6	619.0
117.5°	776.3	778.4	771.6	758.0	710.9	647.8	579.3	538.6	562.7	620.0	681.0
120°	849.6	853.0	846.2	825.9	780.1	708.9	630.8	583.4	602.0	658.0	719.0
122.5°	925.6	924.9	916.8	893.7	839.8	765.8	689.2	630.8	638.6	690.5	750.2
125°	1031.1	1029.4	1022.6	995.4	939.5	863.2	773.3	702.1	691.9	736.0	797.0
127.5°	1131.4	1127.7	1117.2	1084.3	1027.0	953.4	854.7	774.0	751.2	779.1	835.0
130°	1200.6	1195.6	1176.9	1141.3	1085.3	1015.8	915.7	824.2	791.9	808.9	858.1
132.5°	1267.1	1252.5	1236.6	1198.3	1146.4	1074.1	972.7	877.1	832.6	840.1	878.4
135°	1351.6	1338.0	1317.7	1280.3	1231.2	1159.9	1058.2	954.7	893.7	886.9	909.0
137.5°	1425.8	1411.6	1388.5	1356.3	1306.8	1243.4	1145.7	1036.5	959.5	936.8	945.2
140°	1472.0	1455.0	1434.7	1402.4	1358.3	1292.2	1197.2	1092.1	1005.6	973.4	968.3
142.5°	1510.0	1497.1	1475.4	1445.9	1407.2	1341.1	1248.8	1145.0	1053.1	1011.4	999.5
145°	1566.9	1556.8	1533.0	1505.9	1473.7	1407.5	1322.7	1219.3	1127.7	1073.5	1048.0
147.5°	1615.1	1607.0	1588.3	1556.4	1529.3	1465.9	1388.5	1297.0	1203.0	1135.9	1103.0
150°	1644.9	1638.2	1619.5	1589.0	1561.8	1502.5	1427.9	1343.1	1253.2	1182.0	1139.6
152.5°	1673.4	1666.6	1645.3	1614.8	1591.7	1536.4	1468.6	1387.9	1296.6	1225.4	1181.6
155°	1711.1	1702.6	1682.3	1653.4	1633.1	1582.2	1519.5	1448.2	1370.2	1295.6	1246.4
157.5°	1740.9	1730.4	1711.4	1686.7	1665.0	1618.1	1563.5	1502.2	1434.0	1362.8	1312.6
160°	1758.6	1746.7	1726.3	1704.3	1683.9	1639.9	1590.7	1534.7	1472.0	1407.5	1353.3
162.5°	1770.8	1760.3	1735.8	1716.5	1698.9	1658.8	1612.4	1561.8	1505.9	1449.6	1399.4
165°	1784.0	1772.1	1746.7	1731.4	1716.2	1682.3	1641.6	1600.9	1553.4	1507.6	1466.9
167.5°	1785.0	1775.2	1749.7	1734.8	1723.6	1694.5	1661.6	1630.4	1593.4	1557.4	1523.5
170°	1782.3	1773.8	1748.4	1734.8	1726.3	1702.6	1673.8	1646.6	1617.8	1587.3	1560.2
172.5°	1772.8	1764.3	1740.2	1729.4	1725.0	1704.0	1680.6	1660.2	1635.4	1613.1	1591.4
175°	1748.4	1741.6	1721.3	1714.5	1716.2	1702.6	1685.6	1673.8	1658.5	1644.9	1633.1
177.5°	1712.8	1708.7	1693.8	1693.8	1699.2	1691.1	1685.6	1680.2	1673.4	1669.4	1665.3
180°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9



TEST NUMBER: P1428459

CATALOG NUMBER: SQ2W-PW1-K-125U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5	2036.5
2.5°	2035.7	2032.2	2032.9	2034.0	2036.0	2038.1	2036.0	2034.0	2032.9	2032.2	2035.7
5°	2034.6	2031.2	2032.0	2034.6	2042.4	2050.1	2042.4	2034.6	2032.0	2031.2	2034.6
7.5°	2028.2	2026.8	2029.7	2033.8	2041.4	2049.0	2041.4	2033.8	2029.7	2026.8	2028.2
10°	2021.7	2021.2	2025.6	2030.5	2037.4	2044.3	2037.4	2030.5	2025.6	2021.2	2021.7
12.5°	2013.2	2013.8	2018.8	2024.3	2031.2	2038.1	2031.2	2024.3	2018.8	2013.8	2013.2
15°	1994.3	1996.9	2002.9	2008.5	2012.8	2017.2	2012.8	2008.5	2002.9	1996.9	1994.3
17.5°	1963.1	1963.2	1964.8	1966.5	1968.5	1970.6	1968.5	1966.5	1964.8	1963.2	1963.1
20°	1938.9	1934.6	1928.6	1924.1	1924.1	1924.1	1924.1	1924.1	1928.6	1934.6	1938.9
22.5°	1905.0	1893.8	1877.4	1863.7	1858.2	1852.7	1858.2	1863.7	1877.4	1893.8	1905.0
25°	1837.6	1812.2	1778.6	1750.1	1737.2	1724.3	1737.2	1750.1	1778.6	1812.2	1837.6
27.5°	1746.0	1705.1	1657.3	1617.0	1599.1	1581.1	1599.1	1617.0	1657.3	1705.1	1746.0
30°	1671.7	1620.4	1567.8	1524.1	1506.8	1489.6	1506.8	1524.1	1567.8	1620.4	1671.7
32.5°	1594.1	1535.6	1480.9	1435.3	1416.7	1398.0	1416.7	1435.3	1480.9	1535.6	1594.1
35°	1472.6	1405.8	1350.6	1305.1	1288.7	1272.4	1288.7	1305.1	1350.6	1405.8	1472.6
37.5°	1350.6	1279.9	1222.2	1174.3	1156.2	1138.1	1156.2	1174.3	1222.2	1279.9	1350.6
40°	1265.5	1193.1	1135.3	1087.5	1069.4	1051.2	1069.4	1087.5	1135.3	1193.1	1265.5
42.5°	1183.2	1110.8	1053.1	1005.0	986.3	967.5	986.3	1005.0	1053.1	1110.8	1183.2
45°	1058.8	986.4	930.3	883.8	865.7	847.6	865.7	930.3	986.4	1058.8	1058.8
47.5°	941.6	870.1	815.8	771.2	755.7	740.1	755.7	815.8	870.1	941.6	941.6
50°	866.6	797.2	742.9	697.4	678.4	659.5	678.4	742.9	797.2	866.6	866.6
52.5°	794.1	725.1	669.4	621.2	595.3	569.5	595.3	621.2	669.4	725.1	794.1
55°	688.5	618.7	556.7	506.4	491.8	477.1	491.8	506.4	556.7	618.7	688.5
57.5°	591.4	528.1	471.7	426.4	414.3	402.3	414.3	426.4	471.7	528.1	591.4
60°	526.7	468.9	421.5	383.0	370.9	358.8	370.9	421.5	468.9	526.7	526.7
62.5°	463.6	411.7	373.9	343.1	333.1	323.1	333.1	343.1	373.9	411.7	463.6
65°	386.4	343.3	312.3	286.8	278.2	269.6	278.2	286.8	312.3	343.3	386.4
67.5°	319.6	284.7	257.4	235.6	229.9	224.2	229.9	235.6	257.4	284.7	319.6
70°	276.5	246.8	224.3	206.5	202.1	197.8	202.1	206.5	224.3	246.8	276.5
72.5°	235.3	210.4	192.8	178.9	175.9	173.0	175.9	178.9	192.8	210.4	235.3
75°	180.4	162.7	150.6	141.2	139.4	137.7	139.4	141.2	150.6	162.7	180.4
77.5°	133.4	120.4	111.5	104.4	103.0	101.6	103.0	104.4	111.5	120.4	133.4
80°	103.4	93.5	86.6	81.5	81.5	81.5	81.5	81.5	86.6	93.5	103.4
82.5°	73.8	67.3	63.9	61.3	61.3	61.3	61.3	61.3	63.9	67.3	73.8
85°	38.6	34.3	29.1	25.0	24.1	23.3	24.1	25.0	29.1	34.3	38.6
87.5°	15.7	16.0	17.7	18.6	19.9	19.2	19.9	18.6	17.7	16.0	15.7
90°	39.0	50.9	62.7	69.5	76.3	72.9	76.3	69.5	62.7	50.9	39.0
92.5°	78.3	98.4	112.9	125.2	130.6	129.9	130.6	125.2	112.9	98.4	78.3
95°	157.7	181.5	205.2	222.2	232.3	228.9	232.3	222.2	205.2	181.5	157.7
97.5°	243.2	275.1	301.5	317.5	327.6	334.4	327.6	317.5	301.5	275.1	243.2
100°	300.2	330.7	361.2	379.9	396.8	403.6	396.8	379.9	361.2	330.7	300.2
102.5°	346.3	386.3	419.5	439.6	453.8	460.6	453.8	439.6	419.5	386.3	346.3
105°	422.3	464.7	500.3	525.7	541.0	546.1	541.0	525.7	500.3	464.7	422.3
107.5°	498.2	542.0	574.9	603.0	621.7	632.5	621.7	603.0	574.9	542.0	498.2
110°	557.9	593.5	629.1	654.6	673.2	680.0	673.2	654.6	629.1	593.5	557.9



TEST NUMBER: P1428459

CATALOG NUMBER: SQ2W-PW1-K-125U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	608.1	647.8	683.4	708.9	730.2	739.7	730.2	708.9	683.4	647.8	608.1
115°	678.3	730.9	763.1	786.9	802.1	810.6	802.1	786.9	763.1	730.9	678.3
117.5°	736.7	791.6	826.9	845.2	852.3	858.4	852.3	845.2	826.9	791.6	736.7
120°	773.3	824.2	864.9	888.6	897.1	900.5	897.1	888.6	864.9	824.2	773.3
122.5°	807.2	855.4	894.7	923.9	937.8	941.2	937.8	923.9	894.7	855.4	807.2
125°	854.7	900.5	941.2	970.0	985.3	993.7	985.3	970.0	941.2	900.5	854.7
127.5°	896.1	945.6	982.9	1009.0	1023.9	1030.7	1023.9	1009.0	982.9	945.6	896.1
130°	919.1	970.0	1007.3	1036.1	1049.7	1056.5	1049.7	1036.1	1007.3	970.0	919.1
132.5°	936.8	990.4	1029.0	1055.1	1070.1	1076.8	1070.1	1055.1	1029.0	990.4	936.8
135°	958.1	1014.1	1054.8	1080.2	1093.8	1100.6	1093.8	1080.2	1054.8	1014.1	958.1
137.5°	976.8	1027.7	1070.1	1096.9	1109.1	1113.5	1109.1	1096.9	1070.1	1027.7	976.8
140°	990.4	1034.4	1076.8	1102.3	1115.8	1117.5	1115.8	1102.3	1076.8	1034.4	990.4
142.5°	1008.0	1042.6	1079.6	1105.0	1118.6	1121.6	1118.6	1105.0	1079.6	1042.6	1008.0
145°	1039.5	1059.9	1085.3	1109.1	1120.9	1124.3	1120.9	1109.1	1085.3	1059.9	1039.5
147.5°	1079.2	1085.7	1098.9	1114.5	1126.0	1128.4	1126.0	1114.5	1098.9	1085.7	1079.2
150°	1109.1	1107.4	1112.5	1122.6	1132.8	1131.1	1132.8	1122.6	1112.5	1107.4	1109.1
152.5°	1143.0	1133.1	1132.8	1137.6	1142.3	1142.0	1142.3	1137.6	1132.8	1133.1	1143.0
155°	1200.6	1182.0	1171.8	1168.4	1168.4	1166.7	1168.4	1168.4	1171.8	1182.0	1200.6
157.5°	1264.1	1237.9	1222.7	1214.5	1212.2	1208.4	1212.2	1214.5	1222.7	1237.9	1264.1
160°	1307.5	1278.6	1263.4	1249.8	1244.7	1239.6	1244.7	1249.8	1263.4	1278.6	1307.5
162.5°	1348.2	1320.7	1304.1	1291.9	1286.8	1279.0	1286.8	1291.9	1304.1	1320.7	1348.2
165°	1414.3	1385.5	1366.8	1356.7	1349.9	1343.1	1349.9	1356.7	1366.8	1385.5	1414.3
167.5°	1480.4	1448.9	1436.7	1425.2	1418.7	1406.5	1418.7	1425.2	1436.7	1448.9	1480.4
170°	1521.1	1492.3	1485.5	1475.4	1463.5	1449.9	1463.5	1475.4	1485.5	1492.3	1521.1
172.5°	1556.4	1537.1	1530.3	1520.1	1516.4	1505.5	1516.4	1520.1	1530.3	1537.1	1556.4
175°	1607.6	1592.4	1592.4	1590.7	1585.6	1575.4	1585.6	1590.7	1592.4	1592.4	1607.6
177.5°	1650.4	1642.2	1647.7	1647.7	1646.3	1636.8	1646.3	1647.7	1647.7	1642.2	1650.4
180°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9



TEST NUMBER: P1428459

CATALOG NUMBER: SQ2W-PW1-K-125U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2036.5	2036.5	2036.5	2036.5
2.5°	2043.3	2046.0	2034.3	2022.6
5°	2042.4	2044.5	2029.9	2015.2
7.5°	2034.1	2034.8	2020.0	2005.1
10°	2026.9	2026.9	2011.3	1995.8
12.5°	2017.0	2015.8	1999.6	1983.4
15°	1995.2	1991.5	1974.3	1957.0
17.5°	1964.3	1960.9	1943.6	1926.4
20°	1941.5	1939.1	1921.9	1904.7
22.5°	1911.0	1910.9	1892.2	1873.6
25°	1854.9	1863.3	1845.2	1827.1
27.5°	1780.1	1802.1	1787.4	1772.8
30°	1721.7	1756.4	1745.2	1734.0
32.5°	1656.5	1702.3	1697.9	1693.6
35°	1551.0	1611.8	1619.5	1627.3
37.5°	1434.2	1502.7	1525.8	1548.9
40°	1352.5	1426.0	1458.8	1491.5
42.5°	1270.3	1345.8	1386.9	1427.9
45°	1147.6	1226.2	1274.5	1322.8
47.5°	1030.2	1108.6	1156.5	1204.5
50°	951.0	1026.0	1072.6	1119.1
52.5°	876.6	948.8	990.5	1032.2
55°	766.1	834.2	873.9	913.5
57.5°	661.5	722.7	757.0	791.3
60°	594.8	653.4	683.6	713.8
62.5°	529.6	585.8	612.6	639.3
65°	441.6	487.9	507.7	527.6
67.5°	362.2	396.9	407.9	418.9
70°	313.6	342.2	345.7	349.1
72.5°	267.5	291.4	290.0	288.6
75°	203.7	219.4	212.5	205.6
77.5°	150.5	160.7	150.4	140.0
80°	116.4	123.5	113.1	102.8
82.5°	83.3	88.3	80.0	71.8
85°	42.0	43.5	39.2	34.9
87.5°	17.5	17.2	13.8	10.3
90°	30.5	18.7	11.9	5.1
92.5°	65.8	45.8	32.2	18.7
95°	132.3	105.1	74.6	52.6
97.5°	210.6	166.9	136.7	100.4
100°	252.7	210.3	181.5	142.4
102.5°	298.8	263.2	223.5	184.5
105°	381.6	337.5	291.7	247.6
107.5°	458.2	409.7	354.8	315.1
110°	507.0	454.5	396.8	361.2



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CATALOG NUMBER: SQ2W-PW1-K-125U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	554.5	500.6	441.6	406.0
115°	619.0	559.6	505.4	474.8
117.5°	681.0	620.0	562.7	538.6
120°	719.0	658.0	602.0	583.4
122.5°	750.2	690.5	638.6	630.8
125°	797.0	736.0	691.9	702.1
127.5°	835.0	779.1	751.2	774.0
130°	858.1	808.9	791.9	824.2
132.5°	878.4	840.1	832.6	877.1
135°	909.0	886.9	893.7	954.7
137.5°	945.2	936.8	959.5	1036.5
140°	968.3	973.4	1005.6	1092.1
142.5°	999.5	1011.4	1053.1	1145.0
145°	1048.0	1073.5	1127.7	1219.3
147.5°	1103.0	1135.9	1203.0	1297.0
150°	1139.6	1182.0	1253.2	1343.1
152.5°	1181.6	1225.4	1296.6	1387.9
155°	1246.4	1295.6	1370.2	1448.2
157.5°	1312.6	1362.8	1434.0	1502.2
160°	1353.3	1407.5	1472.0	1534.7
162.5°	1399.4	1449.6	1505.9	1561.8
165°	1466.9	1507.6	1553.4	1600.9
167.5°	1523.5	1557.4	1593.4	1630.4
170°	1560.2	1587.3	1617.8	1646.6
172.5°	1591.4	1613.1	1635.4	1660.2
175°	1633.1	1644.9	1658.5	1673.8
177.5°	1665.3	1669.4	1673.4	1680.2
180°	1678.9	1678.9	1678.9	1678.9



TEST NUMBER: P1428459
 CATALOG NUMBER: SQ2W-PW1-K-125U-100D-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	18.86	19.67	19.84	20.66	21.96	15.11	15.92	16.09	16.90	18.21
	3H	20.16	20.88	21.15	21.88	23.20	16.37	17.09	17.37	18.09	19.42
	4H	20.56	21.25	21.57	22.25	23.58	16.88	17.56	17.88	18.56	19.89
	6H	20.74	21.37	21.76	22.37	23.72	17.18	17.81	18.20	18.82	20.16
	8H	20.78	21.38	21.80	22.40	23.74	17.29	17.89	18.32	18.91	20.26
	12H	20.78	21.35	21.81	22.36	23.73	17.32	17.89	18.35	18.91	20.27
4H	2H	18.98	19.67	20.00	20.67	22.00	15.91	16.59	16.92	17.60	18.93
	3H	20.52	21.09	21.54	22.12	23.46	17.35	17.92	18.37	18.95	20.30
	4H	21.06	21.58	22.09	22.60	23.97	17.93	18.45	18.96	19.47	20.84
	6H	21.37	21.82	22.41	22.86	24.23	18.31	18.75	19.35	19.80	21.17
	8H	21.46	21.88	22.50	22.92	24.30	18.46	18.87	19.50	19.91	21.29
	12H	21.48	21.85	22.54	22.91	24.29	18.50	18.87	19.56	19.93	21.31
8H	4H	21.10	21.51	22.14	22.55	23.93	18.27	18.68	19.31	19.72	21.10
	6H	21.52	21.86	22.58	22.94	24.32	18.76	19.10	19.82	20.18	21.56
	8H	21.69	21.99	22.76	23.05	24.45	18.98	19.28	20.05	20.34	21.74
	12H	21.76	22.03	22.84	23.09	24.53	19.06	19.32	20.13	20.38	21.82
12H	4H	21.05	21.43	22.11	22.48	23.87	18.28	18.66	19.34	19.71	21.10
	6H	21.51	21.81	22.58	22.88	24.27	18.83	19.13	19.90	20.20	21.60
	8H	21.70	21.96	22.77	23.02	24.46	19.08	19.34	20.15	20.40	21.84