

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: P1427808

Luminaire Tested: SQ2W-F-K-150U-100D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427808
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-100D-L835-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

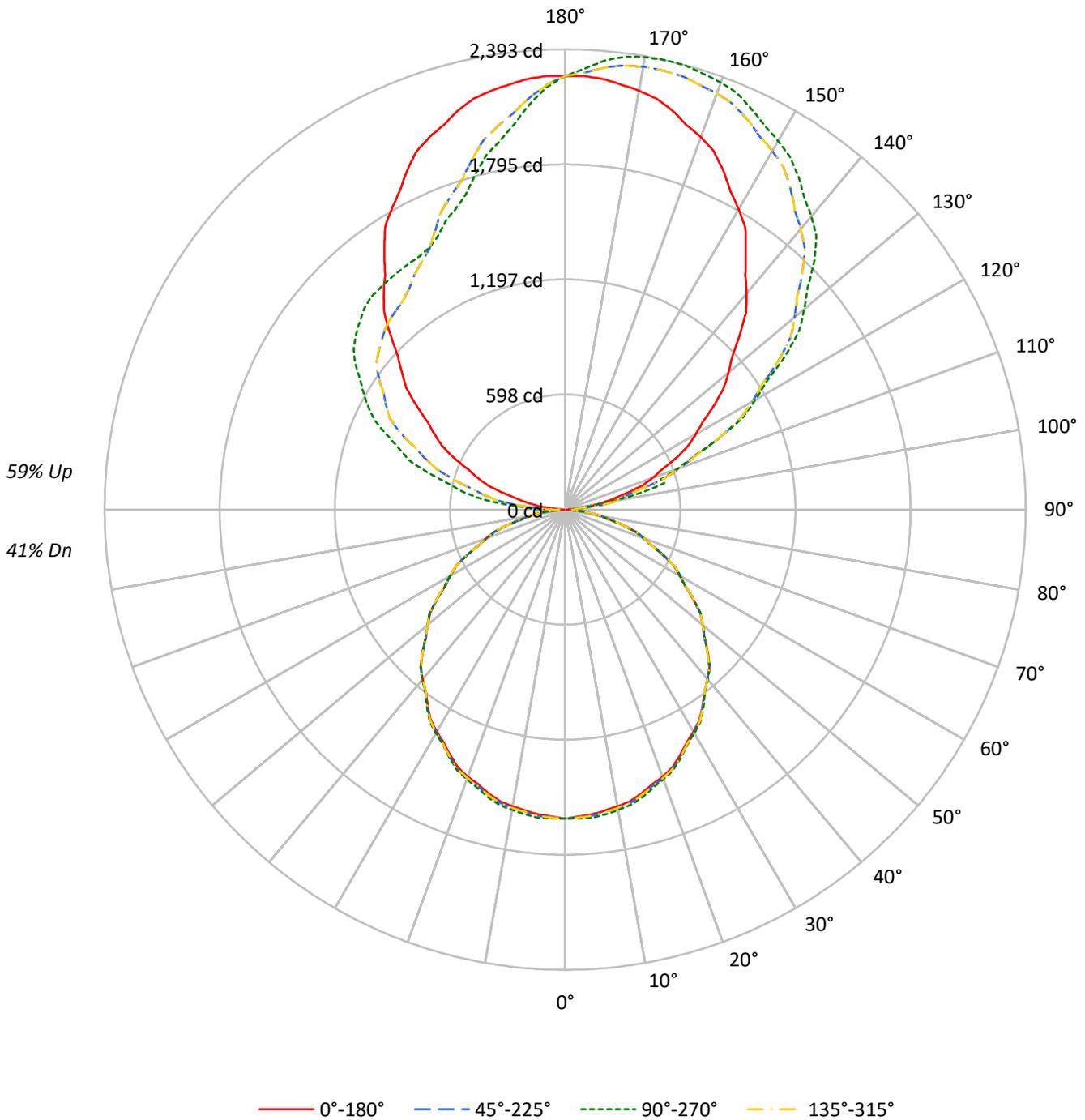
Lumens per Lamp: N/A
Luminaire Lumens: 11111.9 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 92.7
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

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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	0	
RCR																						
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41				
1	96	91	87	84	87	83	80	77	68	66	64	55	53	52	42	41	40	34				
2	87	79	73	68	79	73	67	63	60	56	53	48	45	43	37	35	33	28				
3	79	70	62	57	72	64	57	52	52	48	44	42	39	36	32	30	28	24				
4	72	62	54	48	66	56	49	44	46	41	37	37	34	31	29	26	24	20				
5	66	55	47	41	60	50	43	38	41	36	32	33	30	26	26	23	21	18				
6	61	49	41	35	55	45	38	33	37	32	28	30	26	23	23	21	18	15				
7	56	44	36	31	51	41	34	29	34	28	24	27	23	20	21	18	16	14				
8	52	40	32	27	47	37	30	25	31	25	22	25	21	18	20	17	15	12				
9	48	36	29	24	44	34	27	22	28	23	19	23	19	16	18	15	13	11				
10	45	33	26	21	41	31	24	20	26	21	17	21	17	15	17	14	12	10				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	25946	25946	25946	25946
5°	25787	26081	25787	26081
10°	25697	25994	25697	25994
15°	25556	25877	25556	25877
20°	25395	25647	25395	25647
25°	25120	25341	25120	25341
30°	24853	25023	24853	25023
35°	24535	24693	24535	24693
40°	24257	24329	24257	24329
45°	23902	23902	23902	23902
50°	23423	23480	23423	23480
55°	22871	22905	22871	22905
60°	22255	22255	22255	22255
65°	21532	21444	21532	21444
70°	20516	20299	20516	20299
75°	19132	18708	19132	18708
80°	17043	16206	17043	16206
85°	13634	11523	13634	11523

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 24062 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.1	1.4
10°-20°	434.5	3.9
20°-30°	654.0	5.9
30°-40°	782.0	7.0
40°-50°	807.5	7.3
50°-60°	728.4	6.6
60°-70°	558.0	5.0
70°-80°	322.5	2.9
80°-90°	93.1	0.8
90°-100°	179.4	1.6
100°-110°	523.0	4.7
110°-120°	853.6	7.7
120°-130°	1083.1	9.7
130°-140°	1158.9	10.4
140°-150°	1082.2	9.7
150°-160°	890.5	8.0
160°-170°	597.2	5.4
170°-180°	212.1	1.9
0°-30°	1240.5	11.2
0°-40°	2022.5	18.2
0°-60°	3558.4	32.0
0°-90°	4531.9	40.8
90°-120°	1556.0	14.0
90°-150°	4880.2	43.9
90°-180°	6580.0	59.2
0°-180°	11111.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1607	1607	1607	1607	1607	
5°	1591	1609	1591	1609	1591	151
15°	1529	1548	1529	1548	1529	431
25°	1410	1422	1410	1422	1410	650
35°	1245	1253	1245	1253	1245	779
45°	1047	1047	1047	1047	1047	807
55°	812	814	812	814	812	726
65°	564	561	564	561	564	557
75°	307	300	307	300	307	325
85°	74	62	74	62	74	86
90°	7	50	7	98	7	9
95°	71	52	71	307	71	85
105°	332	533	332	733	332	353
115°	637	883	637	1088	637	628
125°	942	1400	942	1334	942	843
135°	1282	1832	1282	1477	1282	990
145°	1637	2112	1637	1509	1637	1024
155°	1944	2294	1944	1566	1944	894
165°	2149	2392	2149	1803	2149	605
175°	2247	2342	2247	2115	2247	213
180°	2254	2254	2254	2254	2254	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0
2.5°	1598.8	1606.5	1614.1	1610.9	1604.0	1601.4	1603.0	1604.4	1605.3	1606.1	1605.3
5°	1591.1	1601.2	1611.2	1607.7	1599.7	1596.2	1597.2	1599.2	1604.2	1609.2	1604.2
7.5°	1578.2	1588.3	1598.3	1595.1	1587.5	1584.3	1585.5	1587.7	1592.9	1598.1	1592.9
10°	1567.4	1577.4	1587.5	1584.0	1575.9	1572.9	1574.9	1577.4	1581.4	1585.5	1581.4
12.5°	1553.8	1563.8	1573.9	1571.0	1563.7	1560.7	1561.9	1563.9	1568.4	1572.8	1568.4
15°	1528.9	1538.9	1549.0	1546.2	1539.2	1536.4	1537.9	1540.1	1544.1	1548.1	1544.1
17.5°	1498.8	1508.2	1517.7	1515.1	1508.6	1506.2	1507.9	1510.1	1513.6	1517.1	1513.6
20°	1478.0	1487.0	1496.1	1493.4	1486.9	1483.9	1484.4	1485.6	1489.1	1492.7	1489.1
22.5°	1452.6	1461.7	1470.7	1468.4	1462.2	1458.6	1457.5	1457.8	1462.1	1466.4	1462.1
25°	1410.1	1419.1	1428.2	1426.3	1420.7	1417.2	1415.7	1415.5	1419.0	1422.5	1419.0
27.5°	1365.7	1373.2	1380.8	1379.2	1374.6	1371.8	1370.7	1370.6	1373.1	1375.7	1373.1
30°	1333.1	1340.6	1348.2	1346.3	1341.3	1338.3	1337.3	1337.1	1339.6	1342.2	1339.6
32.5°	1298.7	1305.8	1313.0	1310.4	1304.6	1301.5	1301.3	1301.9	1304.8	1307.8	1304.8
35°	1244.8	1250.9	1256.9	1254.3	1248.7	1246.2	1246.7	1247.7	1250.2	1252.8	1250.2
37.5°	1190.7	1195.4	1200.0	1197.3	1192.2	1189.6	1189.5	1189.9	1192.0	1194.1	1192.0
40°	1150.9	1155.9	1161.0	1158.1	1152.5	1149.5	1149.0	1149.3	1151.8	1154.3	1151.8
42.5°	1110.2	1114.0	1117.8	1115.2	1110.5	1108.3	1108.6	1109.1	1110.4	1111.7	1110.4
45°	1046.8	1050.3	1053.8	1051.3	1046.8	1044.5	1044.5	1044.8	1045.8	1046.8	1045.8
47.5°	980.5	983.2	985.9	983.9	980.4	978.4	977.8	977.7	979.3	980.9	979.3
50°	932.5	936.0	939.5	937.8	934.3	932.0	931.0	930.7	932.7	934.8	932.7
52.5°	885.4	889.3	893.3	891.6	888.1	885.6	884.2	883.6	885.2	886.8	885.2
55°	812.5	817.1	821.6	820.5	817.4	814.9	812.9	811.7	812.7	813.7	812.7
57.5°	738.1	742.5	746.9	746.1	743.5	740.9	738.5	737.1	738.5	739.9	738.5
60°	689.2	693.2	697.2	696.0	693.0	690.4	688.4	687.2	688.2	689.2	688.2
62.5°	639.4	643.4	647.4	645.9	642.5	639.7	637.7	636.5	637.5	638.5	637.5
65°	563.6	567.1	570.6	569.2	566.2	563.7	561.7	560.3	560.8	561.3	560.8
67.5°	487.1	490.1	493.1	491.7	488.8	485.8	482.9	480.9	481.7	482.5	481.7
70°	434.6	437.6	440.6	439.5	436.9	434.4	431.9	430.0	430.0	430.0	430.0
72.5°	383.9	386.5	389.1	387.6	384.6	382.1	380.0	378.4	378.4	378.4	378.4
75°	306.7	308.2	309.7	308.9	307.4	305.4	302.9	300.9	300.4	299.9	300.4
77.5°	232.2	232.2	232.2	230.8	228.9	227.0	225.1	223.5	222.9	222.3	222.9
80°	183.3	183.3	183.3	182.2	180.7	179.2	177.7	176.3	175.3	174.3	175.3
82.5°	138.1	137.3	136.5	135.1	133.6	131.7	129.4	127.9	128.9	129.9	128.9
85°	73.6	72.6	71.5	70.2	68.7	66.9	64.9	63.2	62.7	62.2	62.7
87.5°	24.0	25.0	26.5	27.2	27.4	26.4	24.8	23.9	24.0	23.6	24.0
90°	6.8	15.9	27.3	36.4	43.3	45.5	45.5	47.8	50.1	50.1	50.1
92.5°	25.0	39.6	40.1	40.1	48.7	52.8	56.5	56.9	59.2	59.2	59.2
95°	70.6	77.4	116.1	113.8	77.4	61.5	52.4	52.4	52.4	52.4	52.4
97.5°	134.8	144.8	151.1	202.6	214.0	206.7	168.4	141.6	126.6	119.7	126.6
100°	191.2	195.8	209.4	211.7	268.6	323.2	295.9	261.8	250.4	243.6	250.4
102.5°	247.7	250.4	271.3	280.9	294.1	325.1	419.8	409.3	401.5	400.2	401.5
105°	332.3	334.6	373.3	391.5	400.6	400.6	398.4	443.9	516.7	532.7	516.7
107.5°	422.9	433.4	478.9	527.7	538.1	540.9	529.0	522.2	519.5	521.3	519.5
110°	484.9	500.8	555.4	616.9	632.8	637.4	632.8	626.0	621.4	621.4	621.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	545.0	568.2	630.1	700.7	727.5	741.2	731.2	726.1	721.6	725.2	721.6
115°	637.4	671.5	753.5	826.3	880.9	887.8	885.5	885.5	883.2	883.2	883.2
117.5°	723.0	777.6	869.6	954.2	1017.5	1035.7	1044.8	1042.1	1039.4	1043.9	1039.4
120°	783.1	846.8	951.5	1047.1	1108.6	1135.9	1145.0	1140.4	1145.0	1140.4	1145.0
122.5°	846.8	925.1	1028.0	1127.2	1199.6	1230.6	1241.5	1242.4	1243.3	1240.6	1243.3
125°	942.4	1038.0	1158.6	1261.1	1336.2	1372.6	1381.7	1384.0	1388.6	1399.9	1388.6
127.5°	1038.9	1147.3	1279.7	1378.5	1455.5	1499.6	1513.8	1518.8	1528.3	1533.3	1528.3
130°	1106.3	1229.2	1363.5	1456.8	1532.0	1579.8	1604.8	1611.6	1623.0	1620.7	1623.0
132.5°	1177.3	1305.7	1441.8	1538.8	1608.4	1659.9	1681.3	1700.9	1705.0	1708.2	1705.0
135°	1281.6	1420.4	1557.0	1652.6	1718.6	1768.7	1796.0	1814.2	1825.6	1832.4	1825.6
137.5°	1391.3	1537.9	1669.0	1754.1	1820.6	1863.9	1894.8	1913.9	1925.8	1931.2	1925.8
140°	1466.0	1607.1	1734.6	1823.3	1882.5	1925.8	1953.1	1975.8	1989.5	1989.5	1989.5
142.5°	1537.0	1676.3	1800.1	1888.9	1940.8	1980.4	2009.5	2026.8	2042.3	2042.3	2042.3
145°	1636.7	1775.5	1889.3	1978.1	2021.4	2057.8	2089.7	2103.3	2112.4	2112.4	2112.4
147.5°	1740.9	1863.9	1967.7	2052.8	2089.2	2132.0	2157.0	2168.0	2179.4	2174.3	2179.4
150°	1802.8	1916.7	2016.8	2096.5	2132.9	2173.9	2198.9	2208.0	2219.4	2212.6	2219.4
152.5°	1862.9	1971.3	2062.3	2136.6	2167.5	2208.5	2237.2	2246.3	2254.0	2249.0	2254.0
155°	1944.0	2039.6	2123.8	2192.1	2219.4	2258.1	2285.4	2296.8	2305.9	2294.5	2305.9
157.5°	2016.4	2098.8	2172.1	2234.9	2264.0	2297.3	2322.8	2336.9	2346.0	2341.0	2346.0
160°	2060.1	2135.2	2201.2	2260.4	2287.7	2317.3	2344.6	2360.5	2369.7	2362.8	2369.7
162.5°	2096.5	2164.3	2226.7	2280.4	2304.1	2330.0	2362.8	2376.9	2386.0	2377.4	2386.0
165°	2148.8	2203.5	2258.1	2303.6	2324.1	2344.6	2378.8	2394.7	2401.5	2392.4	2401.5
167.5°	2188.5	2230.3	2274.5	2313.7	2328.7	2348.7	2382.9	2396.1	2404.7	2393.3	2404.7
170°	2210.3	2246.7	2285.4	2317.3	2328.7	2346.9	2381.0	2392.4	2399.2	2387.9	2399.2
172.5°	2228.5	2255.8	2287.2	2315.5	2321.4	2336.0	2368.3	2379.7	2384.7	2375.1	2384.7
175°	2246.7	2262.7	2285.4	2303.6	2301.4	2310.5	2337.8	2346.9	2356.0	2342.3	2356.0
177.5°	2255.4	2262.7	2269.9	2280.9	2273.6	2273.6	2293.6	2299.1	2300.9	2293.6	2300.9
180°	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0
2.5°	1604.4	1603.0	1601.4	1604.0	1610.9	1614.1	1606.5	1598.8	1606.5	1614.1	1610.9
5°	1599.2	1597.2	1596.2	1599.7	1607.7	1611.2	1601.2	1591.1	1601.2	1611.2	1607.7
7.5°	1587.7	1585.5	1584.3	1587.5	1595.1	1598.3	1588.3	1578.2	1588.3	1598.3	1595.1
10°	1577.4	1574.9	1572.9	1575.9	1584.0	1587.5	1577.4	1567.4	1577.4	1587.5	1584.0
12.5°	1563.9	1561.9	1560.7	1563.7	1571.0	1573.9	1563.8	1553.8	1563.8	1573.9	1571.0
15°	1540.1	1537.9	1536.4	1539.2	1546.2	1549.0	1538.9	1528.9	1538.9	1549.0	1546.2
17.5°	1510.1	1507.9	1506.2	1508.6	1515.1	1517.7	1508.2	1498.8	1508.2	1517.7	1515.1
20°	1485.6	1484.4	1483.9	1486.9	1493.4	1496.1	1487.0	1478.0	1487.0	1496.1	1493.4
22.5°	1457.8	1457.5	1458.6	1462.2	1468.4	1470.7	1461.7	1452.6	1461.7	1470.7	1468.4
25°	1415.5	1415.7	1417.2	1420.7	1426.3	1428.2	1419.1	1410.1	1419.1	1428.2	1426.3
27.5°	1370.6	1370.7	1371.8	1374.6	1379.2	1380.8	1373.2	1365.7	1373.2	1380.8	1379.2
30°	1337.1	1337.3	1338.3	1341.3	1346.3	1348.2	1340.6	1333.1	1340.6	1348.2	1346.3
32.5°	1301.9	1301.3	1301.5	1304.6	1310.4	1313.0	1305.8	1298.7	1305.8	1313.0	1310.4
35°	1247.7	1246.7	1246.2	1248.7	1254.3	1256.9	1250.9	1244.8	1250.9	1256.9	1254.3
37.5°	1189.9	1189.5	1189.6	1192.2	1197.3	1200.0	1195.4	1190.7	1195.4	1200.0	1197.3
40°	1149.3	1149.0	1149.5	1152.5	1158.1	1161.0	1155.9	1150.9	1155.9	1161.0	1158.1
42.5°	1109.1	1108.6	1108.3	1110.5	1115.2	1117.8	1114.0	1110.2	1114.0	1117.8	1115.2
45°	1044.8	1044.5	1044.5	1046.8	1051.3	1053.8	1050.3	1046.8	1050.3	1053.8	1051.3
47.5°	977.7	977.8	978.4	980.4	983.9	985.9	983.2	980.5	983.2	985.9	983.9
50°	930.7	931.0	932.0	934.3	937.8	939.5	936.0	932.5	936.0	939.5	937.8
52.5°	883.6	884.2	885.6	888.1	891.6	893.3	889.3	885.4	889.3	893.3	891.6
55°	811.7	812.9	814.9	817.4	820.5	821.6	817.1	812.5	817.1	821.6	820.5
57.5°	737.1	738.5	740.9	743.5	746.1	746.9	742.5	738.1	742.5	746.9	746.1
60°	687.2	688.4	690.4	693.0	696.0	697.2	693.2	689.2	693.2	697.2	696.0
62.5°	636.5	637.7	639.7	642.5	645.9	647.4	643.4	639.4	643.4	647.4	645.9
65°	560.3	561.7	563.7	566.2	569.2	570.6	567.1	563.6	567.1	570.6	569.2
67.5°	480.9	482.9	485.8	488.8	491.7	493.1	490.1	487.1	490.1	493.1	491.7
70°	430.0	431.9	434.4	436.9	439.5	440.6	437.6	434.6	437.6	440.6	439.5
72.5°	378.4	380.0	382.1	384.6	387.6	389.1	386.5	383.9	386.5	389.1	387.6
75°	300.9	302.9	305.4	307.4	308.9	309.7	308.2	306.7	308.2	309.7	308.9
77.5°	223.5	225.1	227.0	228.9	230.8	232.2	232.2	232.2	232.2	232.2	230.8
80°	176.3	177.7	179.2	180.7	182.2	183.3	183.3	183.3	183.3	183.3	182.2
82.5°	127.9	129.4	131.7	133.6	135.1	136.5	137.3	138.1	137.3	136.5	135.1
85°	63.2	64.9	66.9	68.7	70.2	71.5	72.6	73.6	72.6	71.5	70.2
87.5°	23.9	24.8	26.4	27.4	27.2	26.5	25.0	24.0	25.0	26.0	28.1
90°	47.8	45.5	45.5	43.3	36.4	27.3	15.9	6.8	15.9	25.0	41.0
92.5°	56.9	56.5	52.8	48.7	40.1	40.1	39.6	25.0	43.3	61.5	88.3
95°	52.4	52.4	61.5	77.4	113.8	116.1	77.4	70.6	100.2	141.1	177.6
97.5°	141.6	168.4	206.7	214.0	202.6	151.1	144.8	134.8	183.5	224.0	282.7
100°	261.8	295.9	323.2	268.6	211.7	209.4	195.8	191.2	243.6	282.3	339.2
102.5°	409.3	419.8	325.1	294.1	280.9	271.3	250.4	247.7	300.0	353.3	401.1
105°	443.9	398.4	400.6	400.6	391.5	373.3	334.6	332.3	391.5	453.0	512.2
107.5°	522.2	529.0	540.9	538.1	527.7	478.9	433.4	422.9	476.2	550.0	615.1
110°	626.0	632.8	637.4	632.8	616.9	555.4	500.8	484.9	532.7	610.1	680.6



TEST NUMBER: P1427808

CATALOG NUMBER: SQ2W-F-K-150U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	726.1	731.2	741.2	727.5	700.7	630.1	568.2	545.0	592.8	672.0	744.4
115°	885.5	885.5	887.8	880.9	826.3	753.5	671.5	637.4	678.3	751.2	830.9
117.5°	1042.1	1044.8	1035.7	1017.5	954.2	869.6	777.6	723.0	755.3	832.2	914.2
120°	1140.4	1145.0	1135.9	1108.6	1047.1	951.5	846.8	783.1	808.1	883.2	965.2
122.5°	1242.4	1241.5	1230.6	1199.6	1127.2	1028.0	925.1	846.8	857.3	926.9	1007.0
125°	1384.0	1381.7	1372.6	1336.2	1261.1	1158.6	1038.0	942.4	928.7	987.9	1069.9
127.5°	1518.8	1513.8	1499.6	1455.5	1378.5	1279.7	1147.3	1038.9	1008.4	1045.7	1120.9
130°	1611.6	1604.8	1579.8	1532.0	1456.8	1363.5	1229.2	1106.3	1063.0	1085.8	1151.8
132.5°	1700.9	1681.3	1659.9	1608.4	1538.8	1441.8	1305.7	1177.3	1117.7	1127.7	1179.1
135°	1814.2	1796.0	1768.7	1718.6	1652.6	1557.0	1420.4	1281.6	1199.6	1190.5	1220.1
137.5°	1913.9	1894.8	1863.9	1820.6	1754.1	1669.0	1537.9	1391.3	1287.9	1257.4	1268.8
140°	1975.8	1953.1	1925.8	1882.5	1823.3	1734.6	1607.1	1466.0	1349.9	1306.6	1299.8
142.5°	2026.8	2009.5	1980.4	1940.8	1888.9	1800.1	1676.3	1537.0	1413.6	1357.6	1341.7
145°	2103.3	2089.7	2057.8	2021.4	1978.1	1889.3	1775.5	1636.7	1513.8	1440.9	1406.8
147.5°	2168.0	2157.0	2132.0	2089.2	2052.8	1967.7	1863.9	1740.9	1614.8	1524.7	1480.5
150°	2208.0	2198.9	2173.9	2132.9	2096.5	2016.8	1916.7	1802.8	1682.2	1586.6	1529.7
152.5°	2246.3	2237.2	2208.5	2167.5	2136.6	2062.3	1971.3	1862.9	1740.5	1644.9	1586.1
155°	2296.8	2285.4	2258.1	2219.4	2192.1	2123.8	2039.6	1944.0	1839.3	1739.1	1673.1
157.5°	2336.9	2322.8	2297.3	2264.0	2234.9	2172.1	2098.8	2016.4	1924.9	1829.3	1761.9
160°	2360.5	2344.6	2317.3	2287.7	2260.4	2201.2	2135.2	2060.1	1975.8	1889.3	1816.5
162.5°	2376.9	2362.8	2330.0	2304.1	2280.4	2226.7	2164.3	2096.5	2021.4	1945.8	1878.4
165°	2394.7	2378.8	2344.6	2324.1	2303.6	2258.1	2203.5	2148.8	2085.1	2023.7	1969.0
167.5°	2396.1	2382.9	2348.7	2328.7	2313.7	2274.5	2230.3	2188.5	2138.8	2090.6	2045.0
170°	2392.4	2381.0	2346.9	2328.7	2317.3	2285.4	2246.7	2210.3	2171.6	2130.6	2094.2
172.5°	2379.7	2368.3	2336.0	2321.4	2315.5	2287.2	2255.8	2228.5	2195.3	2165.2	2136.1
175°	2346.9	2337.8	2310.5	2301.4	2303.6	2285.4	2262.7	2246.7	2226.2	2208.0	2192.1
177.5°	2299.1	2293.6	2273.6	2273.6	2280.9	2269.9	2262.7	2255.4	2246.3	2240.8	2235.3
180°	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6



TEST NUMBER: P1427808

CATALOG NUMBER: SQ2W-F-K-150U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0
2.5°	1604.0	1601.4	1603.0	1604.4	1605.3	1606.1	1605.3	1604.4	1603.0	1601.4	1604.0
5°	1599.7	1596.2	1597.2	1599.2	1604.2	1609.2	1604.2	1599.2	1597.2	1596.2	1599.7
7.5°	1587.5	1584.3	1585.5	1587.7	1592.9	1598.1	1592.9	1587.7	1585.5	1584.3	1587.5
10°	1575.9	1572.9	1574.9	1577.4	1581.4	1585.5	1581.4	1577.4	1574.9	1572.9	1575.9
12.5°	1563.7	1560.7	1561.9	1563.9	1568.4	1572.8	1568.4	1563.9	1561.9	1560.7	1563.7
15°	1539.2	1536.4	1537.9	1540.1	1544.1	1548.1	1544.1	1540.1	1537.9	1536.4	1539.2
17.5°	1508.6	1506.2	1507.9	1510.1	1513.6	1517.1	1513.6	1510.1	1507.9	1506.2	1508.6
20°	1486.9	1483.9	1484.4	1485.6	1489.1	1492.7	1489.1	1485.6	1484.4	1483.9	1486.9
22.5°	1462.2	1458.6	1457.5	1457.8	1462.1	1466.4	1462.1	1457.8	1457.5	1458.6	1462.2
25°	1420.7	1417.2	1415.7	1415.5	1419.0	1422.5	1419.0	1415.5	1415.7	1417.2	1420.7
27.5°	1374.6	1371.8	1370.7	1370.6	1373.1	1375.7	1373.1	1370.6	1370.7	1371.8	1374.6
30°	1341.3	1338.3	1337.3	1337.1	1339.6	1342.2	1339.6	1337.1	1337.3	1338.3	1341.3
32.5°	1304.6	1301.5	1301.3	1301.9	1304.8	1307.8	1304.8	1301.9	1301.3	1301.5	1304.6
35°	1248.7	1246.2	1246.7	1247.7	1250.2	1252.8	1250.2	1247.7	1246.7	1246.2	1248.7
37.5°	1192.2	1189.6	1189.5	1189.9	1192.0	1194.1	1192.0	1189.9	1189.5	1189.6	1192.2
40°	1152.5	1149.5	1149.0	1149.3	1151.8	1154.3	1151.8	1149.3	1149.0	1149.5	1152.5
42.5°	1110.5	1108.3	1108.6	1109.1	1110.4	1111.7	1110.4	1109.1	1108.6	1108.3	1110.5
45°	1046.8	1044.5	1044.5	1044.8	1045.8	1046.8	1045.8	1044.8	1044.5	1044.5	1046.8
47.5°	980.4	978.4	977.8	977.7	979.3	980.9	979.3	977.7	977.8	978.4	980.4
50°	934.3	932.0	931.0	930.7	932.7	934.8	932.7	930.7	931.0	932.0	934.3
52.5°	888.1	885.6	884.2	883.6	885.2	886.8	885.2	883.6	884.2	885.6	888.1
55°	817.4	814.9	812.9	811.7	812.7	813.7	812.7	811.7	812.9	814.9	817.4
57.5°	743.5	740.9	738.5	737.1	738.5	739.9	738.5	737.1	738.5	740.9	743.5
60°	693.0	690.4	688.4	687.2	688.2	689.2	688.2	687.2	688.4	690.4	693.0
62.5°	642.5	639.7	637.7	636.5	637.5	638.5	637.5	636.5	637.7	639.7	642.5
65°	566.2	563.7	561.7	560.3	560.8	561.3	560.8	560.3	561.7	563.7	566.2
67.5°	488.8	485.8	482.9	480.9	481.7	482.5	481.7	480.9	482.9	485.8	488.8
70°	436.9	434.4	431.9	430.0	430.0	430.0	430.0	430.0	431.9	434.4	436.9
72.5°	384.6	382.1	380.0	378.4	378.4	378.4	378.4	378.4	380.0	382.1	384.6
75°	307.4	305.4	302.9	300.9	300.4	299.9	300.4	300.9	302.9	305.4	307.4
77.5°	228.9	227.0	225.1	223.5	222.9	222.3	222.9	223.5	225.1	227.0	228.9
80°	180.7	179.2	177.7	176.3	175.3	174.3	175.3	176.3	177.7	179.2	180.7
82.5°	133.6	131.7	129.4	127.9	128.9	129.9	128.9	127.9	129.4	131.7	133.6
85°	68.7	66.9	64.9	63.2	62.7	62.2	62.7	63.2	64.9	66.9	68.7
87.5°	29.2	31.0	32.5	33.1	34.5	33.2	34.5	33.1	32.5	31.0	29.2
90°	52.4	68.3	84.2	93.3	102.4	97.9	102.4	93.3	84.2	68.3	52.4
92.5°	105.2	132.0	151.6	168.0	175.3	174.4	175.3	168.0	151.6	132.0	105.2
95°	211.7	243.6	275.4	298.2	311.9	307.3	311.9	298.2	275.4	243.6	211.7
97.5°	326.4	369.2	404.7	426.1	439.8	448.9	439.8	426.1	404.7	369.2	326.4
100°	402.9	443.9	484.9	509.9	532.7	541.8	532.7	509.9	484.9	443.9	402.9
102.5°	464.8	518.5	563.2	590.0	609.1	618.2	609.1	590.0	563.2	518.5	464.8
105°	566.8	623.7	671.5	705.7	726.1	733.0	726.1	705.7	671.5	623.7	566.8
107.5°	668.8	727.5	771.7	809.5	834.5	849.1	834.5	809.5	771.7	727.5	668.8
110°	748.9	796.7	844.5	878.7	903.7	912.8	903.7	878.7	844.5	796.7	748.9



TEST NUMBER: P1427808

CATALOG NUMBER: SQ2W-F-K-150U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	816.3	869.6	917.4	951.5	980.2	992.9	980.2	951.5	917.4	869.6	816.3
115°	910.5	981.1	1024.3	1056.2	1076.7	1088.1	1076.7	1056.2	1024.3	981.1	910.5
117.5°	988.8	1062.6	1109.9	1134.5	1144.1	1152.3	1144.1	1134.5	1109.9	1062.6	988.8
120°	1038.0	1106.3	1160.9	1192.8	1204.2	1208.7	1204.2	1192.8	1160.9	1106.3	1038.0
122.5°	1083.5	1148.2	1201.0	1240.1	1258.8	1263.4	1258.8	1240.1	1201.0	1148.2	1083.5
125°	1147.3	1208.7	1263.4	1302.1	1322.5	1333.9	1322.5	1302.1	1263.4	1208.7	1147.3
127.5°	1202.8	1269.3	1319.4	1354.4	1374.4	1383.5	1374.4	1354.4	1319.4	1269.3	1202.8
130°	1233.8	1302.1	1352.1	1390.8	1409.0	1418.1	1409.0	1390.8	1352.1	1302.1	1233.8
132.5°	1257.4	1329.4	1381.3	1416.3	1436.4	1445.5	1436.4	1416.3	1381.3	1329.4	1257.4
135°	1286.1	1361.2	1415.9	1450.0	1468.2	1477.3	1468.2	1450.0	1415.9	1361.2	1286.1
137.5°	1311.2	1379.5	1436.4	1472.3	1488.7	1494.6	1488.7	1472.3	1436.4	1379.5	1311.2
140°	1329.4	1388.6	1445.5	1479.6	1497.8	1500.1	1497.8	1479.6	1445.5	1388.6	1329.4
142.5°	1353.0	1399.5	1449.1	1483.3	1501.5	1505.6	1501.5	1483.3	1449.1	1399.5	1353.0
145°	1395.4	1422.7	1456.8	1488.7	1504.6	1509.2	1504.6	1488.7	1456.8	1422.7	1395.4
147.5°	1448.7	1457.3	1475.1	1496.0	1511.5	1514.7	1511.5	1496.0	1475.1	1457.3	1448.7
150°	1488.7	1486.4	1493.3	1506.9	1520.6	1518.3	1520.6	1506.9	1493.3	1486.4	1488.7
152.5°	1534.2	1521.0	1520.6	1527.0	1533.3	1532.9	1533.3	1527.0	1520.6	1521.0	1534.2
155°	1611.6	1586.6	1572.9	1568.4	1568.4	1566.1	1568.4	1568.4	1572.9	1586.6	1611.6
157.5°	1696.8	1661.7	1641.2	1630.3	1627.1	1622.1	1627.1	1630.3	1641.2	1661.7	1696.8
160°	1755.0	1716.3	1695.9	1677.6	1670.8	1664.0	1670.8	1677.6	1695.9	1716.3	1755.0
162.5°	1809.7	1772.8	1750.5	1734.1	1727.3	1716.8	1727.3	1734.1	1750.5	1772.8	1809.7
165°	1898.5	1859.8	1834.7	1821.1	1812.0	1802.8	1812.0	1821.1	1834.7	1859.8	1898.5
167.5°	1987.2	1944.9	1928.5	1913.0	1904.4	1888.0	1904.4	1913.0	1928.5	1944.9	1987.2
170°	2041.9	2003.2	1994.1	1980.4	1964.5	1946.3	1964.5	1980.4	1994.1	2003.2	2041.9
172.5°	2089.2	2063.3	2054.2	2040.5	2035.5	2020.9	2035.5	2040.5	2054.2	2063.3	2089.2
175°	2158.0	2137.5	2137.5	2135.2	2128.4	2114.7	2128.4	2135.2	2137.5	2137.5	2158.0
177.5°	2215.3	2204.4	2211.7	2211.7	2209.9	2197.1	2209.9	2211.7	2211.7	2204.4	2215.3
180°	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6



TEST NUMBER: P1427808

CATALOG NUMBER: SQ2W-F-K-150U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1607.0	1607.0	1607.0	1607.0
2.5°	1610.9	1614.1	1606.5	1598.8
5°	1607.7	1611.2	1601.2	1591.1
7.5°	1595.1	1598.3	1588.3	1578.2
10°	1584.0	1587.5	1577.4	1567.4
12.5°	1571.0	1573.9	1563.8	1553.8
15°	1546.2	1549.0	1538.9	1528.9
17.5°	1515.1	1517.7	1508.2	1498.8
20°	1493.4	1496.1	1487.0	1478.0
22.5°	1468.4	1470.7	1461.7	1452.6
25°	1426.3	1428.2	1419.1	1410.1
27.5°	1379.2	1380.8	1373.2	1365.7
30°	1346.3	1348.2	1340.6	1333.1
32.5°	1310.4	1313.0	1305.8	1298.7
35°	1254.3	1256.9	1250.9	1244.8
37.5°	1197.3	1200.0	1195.4	1190.7
40°	1158.1	1161.0	1155.9	1150.9
42.5°	1115.2	1117.8	1114.0	1110.2
45°	1051.3	1053.8	1050.3	1046.8
47.5°	983.9	985.9	983.2	980.5
50°	937.8	939.5	936.0	932.5
52.5°	891.6	893.3	889.3	885.4
55°	820.5	821.6	817.1	812.5
57.5°	746.1	746.9	742.5	738.1
60°	696.0	697.2	693.2	689.2
62.5°	645.9	647.4	643.4	639.4
65°	569.2	570.6	567.1	563.6
67.5°	491.7	493.1	490.1	487.1
70°	439.5	440.6	437.6	434.6
72.5°	387.6	389.1	386.5	383.9
75°	308.9	309.7	308.2	306.7
77.5°	230.8	232.2	232.2	232.2
80°	182.2	183.3	183.3	183.3
82.5°	135.1	136.5	137.3	138.1
85°	70.2	71.5	72.6	73.6
87.5°	28.1	26.0	25.0	24.0
90°	41.0	25.0	15.9	6.8
92.5°	88.3	61.5	43.3	25.0
95°	177.6	141.1	100.2	70.6
97.5°	282.7	224.0	183.5	134.8
100°	339.2	282.3	243.6	191.2
102.5°	401.1	353.3	300.0	247.7
105°	512.2	453.0	391.5	332.3
107.5°	615.1	550.0	476.2	422.9
110°	680.6	610.1	532.7	484.9



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CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	744.4	672.0	592.8	545.0
115°	830.9	751.2	678.3	637.4
117.5°	914.2	832.2	755.3	723.0
120°	965.2	883.2	808.1	783.1
122.5°	1007.0	926.9	857.3	846.8
125°	1069.9	987.9	928.7	942.4
127.5°	1120.9	1045.7	1008.4	1038.9
130°	1151.8	1085.8	1063.0	1106.3
132.5°	1179.1	1127.7	1117.7	1177.3
135°	1220.1	1190.5	1199.6	1281.6
137.5°	1268.8	1257.4	1287.9	1391.3
140°	1299.8	1306.6	1349.9	1466.0
142.5°	1341.7	1357.6	1413.6	1537.0
145°	1406.8	1440.9	1513.8	1636.7
147.5°	1480.5	1524.7	1614.8	1740.9
150°	1529.7	1586.6	1682.2	1802.8
152.5°	1586.1	1644.9	1740.5	1862.9
155°	1673.1	1739.1	1839.3	1944.0
157.5°	1761.9	1829.3	1924.9	2016.4
160°	1816.5	1889.3	1975.8	2060.1
162.5°	1878.4	1945.8	2021.4	2096.5
165°	1969.0	2023.7	2085.1	2148.8
167.5°	2045.0	2090.6	2138.8	2188.5
170°	2094.2	2130.6	2171.6	2210.3
172.5°	2136.1	2165.2	2195.3	2228.5
175°	2192.1	2208.0	2226.2	2246.7
177.5°	2235.3	2240.8	2246.3	2255.4
180°	2253.6	2253.6	2253.6	2253.6



TEST NUMBER: P1427808

CATALOG NUMBER: SQ2W-F-K-150U-100D-L835-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	18.26	19.05	19.29	20.09	21.49	18.17	18.97	19.20	20.01	21.40
	3H	20.04	20.76	21.08	21.80	23.22	19.94	20.65	20.98	21.70	23.12
	4H	20.74	21.41	21.79	22.46	23.88	20.62	21.30	21.67	22.35	23.77
	6H	21.17	21.79	22.23	22.85	24.28	21.03	21.65	22.09	22.70	24.14
	8H	21.33	21.92	22.40	22.99	24.42	21.17	21.76	22.24	22.83	24.26
	12H	21.41	21.97	22.48	23.04	24.49	21.23	21.80	22.31	22.86	24.31
4H	2H	18.83	19.51	19.89	20.56	21.98	18.77	19.44	19.82	20.49	21.91
	3H	20.85	21.41	21.91	22.49	23.92	20.75	21.32	21.82	22.39	23.83
	4H	21.66	22.17	22.73	23.24	24.70	21.55	22.06	22.62	23.13	24.59
	6H	22.21	22.65	23.29	23.74	25.19	22.06	22.51	23.15	23.60	25.05
	8H	22.42	22.83	23.50	23.92	25.39	22.26	22.67	23.34	23.76	25.23
	12H	22.53	22.91	23.63	24.00	25.48	22.34	22.72	23.44	23.82	25.29
8H	4H	21.90	22.31	22.98	23.40	24.86	21.80	22.21	22.88	23.30	24.77
	6H	22.58	22.93	23.69	24.05	25.52	22.45	22.79	23.56	23.92	25.38
	8H	22.89	23.19	24.00	24.30	25.78	22.73	23.03	23.84	24.14	25.62
	12H	23.07	23.33	24.18	24.44	25.96	22.87	23.14	23.99	24.24	25.77
12H	4H	21.89	22.26	22.99	23.36	24.83	21.79	22.17	22.89	23.27	24.74
	6H	22.63	22.93	23.74	24.04	25.52	22.51	22.81	23.62	23.92	25.40
	8H	22.96	23.23	24.08	24.33	25.85	22.81	23.08	23.93	24.18	25.70