

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: P1428560

Luminaire Tested: SQ2W-WBM-K-125U-125D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428560  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-WBM-K-125U-125D-L930-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - WHITE DISCREET BAFFLE, MEDIUM 80-DEGREE OPTIC  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1250 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

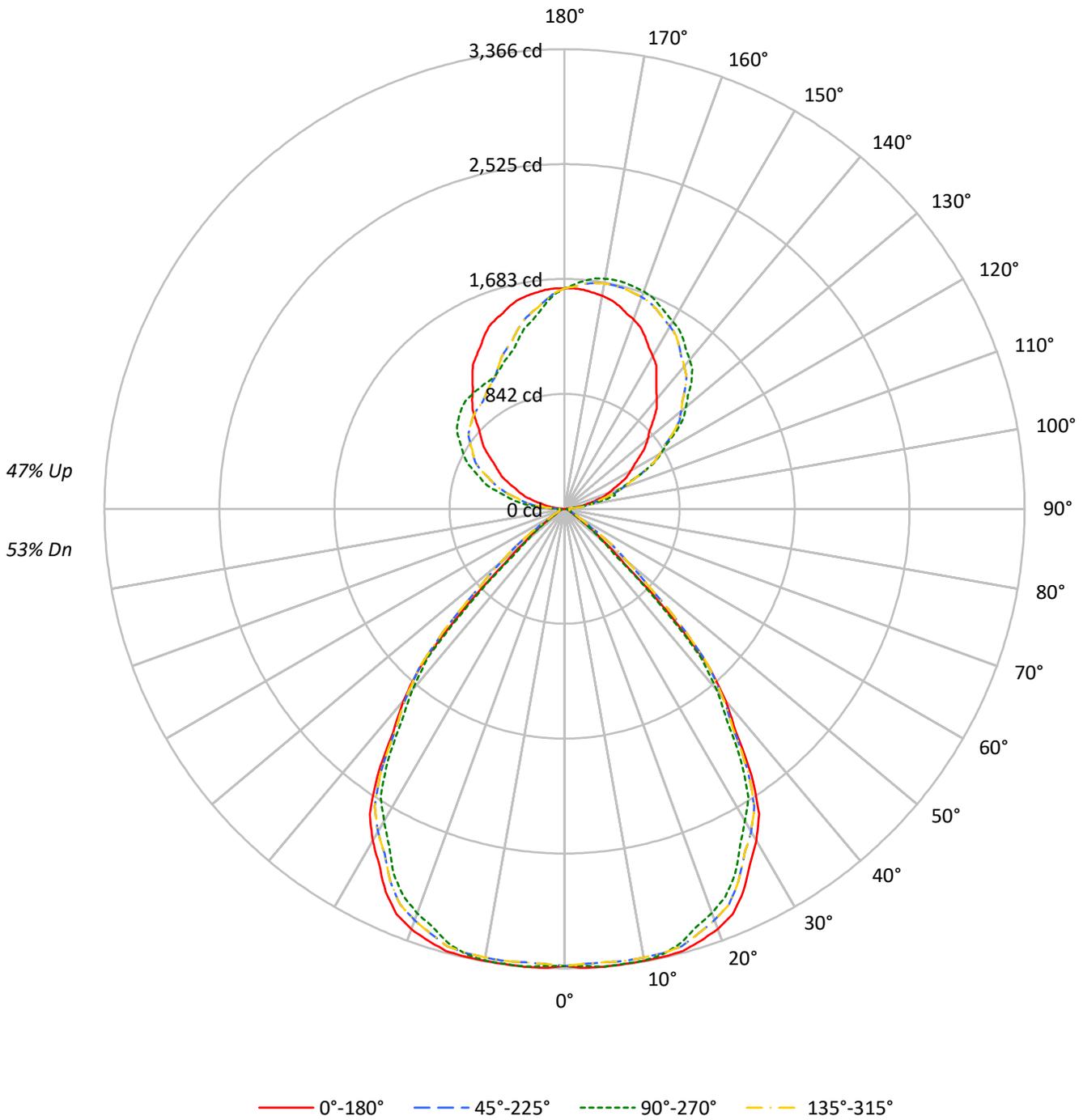
Lumens per Lamp: N/A  
Luminaire Lumens: 9959.1 lumens  
Efficiency: N/A  
Efficacy: 106.2 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 93.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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: P1428560

CATALOG NUMBER: SQ2W-WBM-K-125U-125D-L930-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1428560

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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	0
RCR																		
0	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53
1	100	97	93	90	93	90	87	85	77	75	73	65	64	63	55	54	53	48
2	93	87	82	77	86	81	76	73	70	67	64	60	58	56	51	49	48	44
3	86	78	72	67	80	73	68	63	64	60	56	55	52	50	47	45	43	39
4	80	71	64	59	74	66	60	56	58	53	50	50	47	44	43	41	39	36
5	74	64	57	52	69	60	54	49	53	48	45	46	43	40	40	37	35	32
6	69	58	51	46	64	55	49	44	49	44	40	43	39	36	37	34	32	30
7	64	53	46	41	60	50	44	39	45	40	36	39	36	33	34	32	29	27
8	60	49	42	37	56	46	40	36	41	36	33	36	33	30	32	29	27	25
9	56	45	38	34	53	43	37	32	38	33	30	34	30	27	30	27	25	23
10	53	42	35	31	49	39	33	29	35	31	27	32	28	25	28	25	23	21

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	54063	54063	54063	54063
5°	54557	54531	54557	54531
10°	55107	55081	55107	55081
15°	56024	55031	56024	55031
20°	56293	54141	56293	54141
25°	55135	52617	55135	52617
30°	52311	49200	52311	49200
35°	47048	44389	47048	44389
40°	38570	36538	38570	36538
45°	24116	22651	24116	22651
50°	9434	8628	9434	8628
55°	4653	4608	4653	4608
60°	2176	1970	2176	1970
65°	1964	1841	1964	1841
70°	1893	1817	1893	1817
75°	1903	1703	1903	1703
80°	1794	1646	1794	1646
85°	1778	1482	1778	1482

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 30°  
 Vertical Angle: 45°  
 Luminance: 27452 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	320.2	3.2
10°-20°	936.2	9.4
20°-30°	1384.2	13.9
30°-40°	1432.1	14.4
40°-50°	861.4	8.6
50°-60°	205.9	2.1
60°-70°	56.3	0.6
70°-80°	31.5	0.3
80°-90°	16.6	0.2
90°-100°	128.5	1.3
100°-110°	374.8	3.8
110°-120°	611.6	6.1
120°-130°	776.1	7.8
130°-140°	830.4	8.3
140°-150°	775.4	7.8
150°-160°	638.1	6.4
160°-170°	427.9	4.3
170°-180°	151.9	1.5
0°-30°	2640.5	26.5
0°-40°	4072.6	40.9
0°-60°	5140.0	51.6
0°-90°	5244.4	52.7
90°-120°	1114.9	11.2
90°-150°	3496.8	35.1
90°-180°	4715.0	47.3
0°-180°	9959.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3348	3348	3348	3348	3348	
5°	3366	3365	3366	3365	3366	321
15°	3352	3292	3352	3292	3352	945
25°	3095	2954	3095	2954	3095	1415
35°	2387	2252	2387	2252	2387	1465
45°	1056	992	1056	992	1056	817
55°	165	164	165	164	165	166
65°	51	48	51	48	51	52
75°	30	27	30	27	30	32
85°	10	8	10	8	10	10
90°	5	36	5	70	5	4
95°	51	38	51	220	51	61
105°	238	382	238	525	238	253
115°	457	633	457	780	457	450
125°	675	1003	675	956	675	604
135°	918	1313	918	1058	918	710
145°	1173	1514	1173	1081	1173	734
155°	1393	1644	1393	1122	1393	640
165°	1540	1714	1540	1292	1540	433
175°	1610	1678	1610	1515	1610	153
180°	1615	1615	1615	1615	1615	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5
2.5°	3365.2	3361.2	3357.2	3347.2	3335.2	3335.5	3348.1	3356.8	3353.9	3351.1	3353.9
5°	3366.2	3361.2	3356.2	3344.8	3331.2	3334.4	3354.4	3368.8	3366.7	3364.6	3366.7
7.5°	3362.6	3360.5	3358.4	3350.0	3339.6	3341.9	3357.1	3367.6	3364.3	3361.0	3364.3
10°	3361.3	3362.1	3362.8	3351.7	3336.7	3337.1	3352.8	3364.0	3361.9	3359.7	3361.9
12.5°	3360.1	3365.9	3371.8	3356.9	3335.0	3330.2	3342.5	3350.5	3345.5	3340.5	3345.5
15°	3351.7	3363.1	3374.5	3354.4	3323.7	3308.4	3308.4	3306.6	3299.5	3292.3	3299.5
17.5°	3316.1	3329.6	3343.2	3315.9	3274.9	3248.9	3238.0	3227.5	3218.8	3210.1	3218.8
20°	3276.3	3289.8	3303.4	3270.9	3223.1	3190.3	3172.5	3158.2	3154.6	3151.1	3154.6
22.5°	3213.3	3228.0	3242.7	3208.0	3156.8	3121.4	3101.8	3085.7	3079.9	3074.0	3079.9
25°	3094.9	3106.3	3117.7	3081.5	3029.4	2996.2	2982.0	2969.3	2961.5	2953.6	2961.5
27.5°	2936.9	2943.2	2949.5	2914.5	2865.7	2833.1	2816.9	2801.9	2791.1	2780.3	2791.1
30°	2805.9	2808.8	2811.6	2783.5	2744.9	2715.0	2693.6	2673.2	2656.1	2639.0	2656.1
32.5°	2650.6	2653.4	2656.3	2631.5	2597.5	2570.4	2550.2	2531.6	2517.9	2504.2	2517.9
35°	2387.0	2385.5	2384.1	2368.2	2347.6	2325.4	2301.9	2280.7	2266.4	2252.1	2266.4
37.5°	2057.3	2059.3	2061.3	2049.4	2033.0	2015.6	1997.0	1979.5	1965.1	1950.7	1965.1
40°	1830.0	1831.4	1832.8	1823.0	1809.4	1789.1	1762.0	1740.8	1737.2	1733.6	1737.2
42.5°	1552.6	1574.0	1595.4	1586.7	1568.0	1548.3	1527.4	1507.6	1490.9	1474.2	1490.9
45°	1056.2	1121.2	1186.1	1202.3	1202.3	1189.8	1164.9	1129.0	1060.5	992.0	1060.5
47.5°	596.5	670.4	744.3	792.9	833.0	815.9	741.7	665.3	582.1	498.9	582.1
50°	375.6	425.6	475.5	537.8	604.1	585.9	483.2	399.2	371.3	343.5	371.3
52.5°	266.5	291.9	317.3	375.9	445.7	437.2	350.5	281.7	267.0	252.3	267.0
55°	165.3	174.6	183.9	212.4	247.4	245.2	206.0	175.1	169.4	163.7	169.4
57.5°	98.2	107.8	117.4	130.0	143.7	143.7	130.0	117.5	108.5	99.5	108.5
60°	67.4	75.3	83.1	93.6	105.1	103.6	89.4	76.7	68.8	61.0	68.8
62.5°	58.4	61.7	65.0	73.1	82.8	81.9	70.5	61.3	58.6	55.9	58.6
65°	51.4	52.1	52.8	53.5	54.2	53.9	52.4	51.0	49.6	48.2	49.6
67.5°	45.3	46.0	46.7	46.4	45.9	45.5	45.4	44.9	43.7	42.4	43.7
70°	40.1	40.8	41.6	41.7	41.7	41.4	40.7	40.0	39.2	38.5	39.2
72.5°	36.3	37.0	37.7	37.5	36.9	36.5	36.4	36.0	34.7	33.4	34.7
75°	30.5	30.5	30.5	30.5	30.5	30.1	29.4	28.7	28.0	27.3	28.0
77.5°	23.1	23.8	24.5	24.2	23.5	23.1	23.1	22.9	22.2	21.5	22.2
80°	19.3	20.0	20.7	20.3	19.6	19.3	19.3	19.1	18.4	17.7	18.4
82.5°	15.4	15.6	15.7	15.6	15.5	15.4	15.4	15.2	14.5	13.8	14.5
85°	9.6	9.6	9.6	9.1	8.4	8.0	8.0	8.0	8.0	8.0	8.0
87.5°	3.5	5.4	7.6	8.6	9.1	9.1	9.1	9.4	9.7	9.7	9.7
90°	4.9	11.4	19.6	26.1	31.0	32.6	32.6	34.3	35.9	35.9	35.9
92.5°	17.9	28.4	28.7	28.7	34.9	37.8	40.4	40.8	42.4	42.4	42.4
95°	50.6	55.5	83.2	81.6	55.5	44.0	37.5	37.5	37.5	37.5	37.5
97.5°	96.6	103.7	108.3	145.2	153.3	148.1	120.7	101.5	90.7	85.8	90.7
100°	137.0	140.3	150.1	151.7	192.5	231.6	212.0	187.6	179.4	174.5	179.4
102.5°	177.5	179.4	194.4	201.3	210.7	232.9	300.8	293.3	287.7	286.7	287.7
105°	238.1	239.8	267.5	280.5	287.1	287.1	285.4	318.1	370.2	381.7	370.2
107.5°	303.0	310.5	343.2	378.1	385.6	387.5	379.1	374.2	372.2	373.5	372.2
110°	347.4	358.8	398.0	442.0	453.4	456.7	453.4	448.5	445.3	445.3	445.3



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CATALOG NUMBER: SQ2W-WBM-K-125U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	390.5	407.1	451.5	502.0	521.3	531.1	523.9	520.3	517.0	519.6	517.0
115°	456.7	481.2	539.9	592.1	631.2	636.1	634.5	634.5	632.8	632.8	632.8
117.5°	518.0	557.2	623.1	683.7	729.1	742.1	748.6	746.7	744.7	748.0	744.7
120°	561.1	606.7	681.8	750.3	794.3	813.9	820.4	817.1	820.4	817.1	820.4
122.5°	606.7	662.9	736.6	807.7	859.6	881.7	889.6	890.2	890.9	888.9	890.9
125°	675.2	743.8	830.2	903.6	957.4	983.5	990.0	991.7	994.9	1003.1	994.9
127.5°	744.4	822.0	917.0	987.8	1042.9	1074.5	1084.6	1088.2	1095.1	1098.7	1095.1
130°	792.7	880.8	977.0	1043.9	1097.7	1131.9	1149.9	1154.8	1162.9	1161.3	1162.9
132.5°	843.6	935.6	1033.1	1102.6	1152.5	1189.3	1204.7	1218.7	1221.6	1223.9	1221.6
135°	918.3	1017.8	1115.6	1184.1	1231.4	1267.3	1286.9	1299.9	1308.1	1313.0	1308.1
137.5°	996.9	1101.9	1195.9	1256.9	1304.5	1335.5	1357.7	1371.4	1379.9	1383.8	1379.9
140°	1050.4	1151.5	1242.8	1306.5	1348.9	1379.9	1399.4	1415.7	1425.5	1425.5	1425.5
142.5°	1101.3	1201.1	1289.8	1353.4	1390.6	1419.0	1439.9	1452.3	1463.4	1463.4	1463.4
145°	1172.7	1272.2	1353.8	1417.4	1448.4	1474.5	1497.3	1507.1	1513.6	1513.6	1513.6
147.5°	1247.4	1335.5	1409.9	1470.9	1497.0	1527.6	1545.6	1553.4	1561.6	1558.0	1561.6
150°	1291.8	1373.3	1445.1	1502.2	1528.3	1557.6	1575.6	1582.1	1590.3	1585.4	1590.3
152.5°	1334.8	1412.5	1477.7	1530.9	1553.1	1582.4	1603.0	1609.5	1615.0	1611.5	1615.0
155°	1392.9	1461.4	1521.8	1570.7	1590.3	1618.0	1637.6	1645.7	1652.2	1644.1	1652.2
157.5°	1444.8	1503.8	1556.3	1601.3	1622.2	1646.0	1664.3	1674.4	1680.9	1677.4	1680.9
160°	1476.1	1529.9	1577.2	1619.6	1639.2	1660.4	1680.0	1691.4	1697.9	1693.0	1697.9
162.5°	1502.2	1550.8	1595.5	1634.0	1650.9	1669.5	1693.0	1703.1	1709.6	1703.5	1709.6
165°	1539.7	1578.8	1618.0	1650.6	1665.3	1680.0	1704.4	1715.8	1720.7	1714.2	1720.7
167.5°	1568.1	1598.1	1629.7	1657.8	1668.5	1682.9	1707.4	1716.8	1723.0	1714.9	1723.0
170°	1583.7	1609.8	1637.6	1660.4	1668.5	1681.6	1706.1	1714.2	1719.1	1711.0	1719.1
172.5°	1596.8	1616.4	1638.9	1659.1	1663.3	1673.8	1696.9	1705.1	1708.7	1701.8	1708.7
175°	1609.8	1621.2	1637.6	1650.6	1649.0	1655.5	1675.1	1681.6	1688.1	1678.3	1688.1
177.5°	1616.0	1621.2	1626.5	1634.3	1629.1	1629.1	1643.4	1647.3	1648.6	1643.4	1648.6
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5
2.5°	3356.8	3348.1	3335.5	3335.2	3347.2	3357.2	3361.2	3365.2	3361.2	3357.2	3347.2
5°	3368.8	3354.4	3334.4	3331.2	3344.8	3356.2	3361.2	3366.2	3361.2	3356.2	3344.8
7.5°	3367.6	3357.1	3341.9	3339.6	3350.0	3358.4	3360.5	3362.6	3360.5	3358.4	3350.0
10°	3364.0	3352.8	3337.1	3336.7	3351.7	3362.8	3362.1	3361.3	3362.1	3362.8	3351.7
12.5°	3350.5	3342.5	3330.2	3335.0	3356.9	3371.8	3365.9	3360.1	3365.9	3371.8	3356.9
15°	3306.6	3308.4	3308.4	3323.7	3354.4	3374.5	3363.1	3351.7	3363.1	3374.5	3354.4
17.5°	3227.5	3238.0	3248.9	3274.9	3315.9	3343.2	3329.6	3316.1	3329.6	3343.2	3315.9
20°	3158.2	3172.5	3190.3	3223.1	3270.9	3303.4	3289.8	3276.3	3289.8	3303.4	3270.9
22.5°	3085.7	3101.8	3121.4	3156.8	3208.0	3242.7	3228.0	3213.3	3228.0	3242.7	3208.0
25°	2969.3	2982.0	2996.2	3029.4	3081.5	3117.7	3106.3	3094.9	3106.3	3117.7	3081.5
27.5°	2801.9	2816.9	2833.1	2865.7	2914.5	2949.5	2943.2	2936.9	2943.2	2949.5	2914.5
30°	2673.2	2693.6	2715.0	2744.9	2783.5	2811.6	2808.8	2805.9	2808.8	2811.6	2783.5
32.5°	2531.6	2550.2	2570.4	2597.5	2631.5	2656.3	2653.4	2650.6	2653.4	2656.3	2631.5
35°	2280.7	2301.9	2325.4	2347.6	2368.2	2384.1	2385.5	2387.0	2385.5	2384.1	2368.2
37.5°	1979.5	1997.0	2015.6	2033.0	2049.4	2061.3	2059.3	2057.3	2059.3	2061.3	2049.4
40°	1740.8	1762.0	1789.1	1809.4	1823.0	1832.8	1831.4	1830.0	1831.4	1832.8	1823.0
42.5°	1507.6	1527.4	1548.3	1568.0	1586.7	1595.4	1574.0	1552.6	1574.0	1595.4	1586.7
45°	1129.0	1164.9	1189.8	1202.3	1202.3	1186.1	1121.2	1056.2	1121.2	1186.1	1202.3
47.5°	665.3	741.7	815.9	833.0	792.9	744.3	670.4	596.5	670.4	744.3	792.9
50°	399.2	483.2	585.9	604.1	537.8	475.5	425.6	375.6	425.6	475.5	537.8
52.5°	281.7	350.5	437.2	445.7	375.9	317.3	291.9	266.5	291.9	317.3	375.9
55°	175.1	206.0	245.2	247.4	212.4	183.9	174.6	165.3	174.6	183.9	212.4
57.5°	117.5	130.0	143.7	143.7	130.0	117.4	107.8	98.2	107.8	117.4	130.0
60°	76.7	89.4	103.6	105.1	93.6	83.1	75.3	67.4	75.3	83.1	93.6
62.5°	61.3	70.5	81.9	82.8	73.1	65.0	61.7	58.4	61.7	65.0	73.1
65°	51.0	52.4	53.9	54.2	53.5	52.8	52.1	51.4	52.1	52.8	53.5
67.5°	44.9	45.4	45.5	45.9	46.4	46.7	46.0	45.3	46.0	46.7	46.4
70°	40.0	40.7	41.4	41.7	41.7	41.6	40.8	40.1	40.8	41.6	41.7
72.5°	36.0	36.4	36.5	36.9	37.5	37.7	37.0	36.3	37.0	37.7	37.5
75°	28.7	29.4	30.1	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
77.5°	22.9	23.1	23.1	23.5	24.2	24.5	23.8	23.1	23.8	24.5	24.2
80°	19.1	19.3	19.3	19.6	20.3	20.7	20.0	19.3	20.0	20.7	20.3
82.5°	15.2	15.4	15.4	15.5	15.6	15.7	15.6	15.4	15.6	15.7	15.6
85°	8.0	8.0	8.0	8.4	9.1	9.6	9.6	9.6	9.6	9.6	9.1
87.5°	9.4	9.1	9.1	9.1	8.6	7.6	5.4	3.5	5.4	7.3	9.3
90°	34.3	32.6	32.6	31.0	26.1	19.6	11.4	4.9	11.4	17.9	29.4
92.5°	40.8	40.4	37.8	34.9	28.7	28.7	28.4	17.9	31.0	44.0	63.3
95°	37.5	37.5	44.0	55.5	81.6	83.2	55.5	50.6	71.8	101.1	127.2
97.5°	101.5	120.7	148.1	153.3	145.2	108.3	103.7	96.6	131.5	160.5	202.6
100°	187.6	212.0	231.6	192.5	151.7	150.1	140.3	137.0	174.5	202.2	243.0
102.5°	293.3	300.8	232.9	210.7	201.3	194.4	179.4	177.5	215.0	253.1	287.4
105°	318.1	285.4	287.1	287.1	280.5	267.5	239.8	238.1	280.5	324.6	367.0
107.5°	374.2	379.1	387.5	385.6	378.1	343.2	310.5	303.0	341.2	394.1	440.7
110°	448.5	453.4	456.7	453.4	442.0	398.0	358.8	347.4	381.7	437.1	487.7



TEST NUMBER: P1428560

CATALOG NUMBER: SQ2W-WBM-K-125U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	520.3	523.9	531.1	521.3	502.0	451.5	407.1	390.5	424.7	481.5	533.3
115°	634.5	634.5	636.1	631.2	592.1	539.9	481.2	456.7	486.0	538.2	595.3
117.5°	746.7	748.6	742.1	729.1	683.7	623.1	557.2	518.0	541.2	596.3	655.0
120°	817.1	820.4	813.9	794.3	750.3	681.8	606.7	561.1	579.0	632.8	691.6
122.5°	890.2	889.6	881.7	859.6	807.7	736.6	662.9	606.7	614.2	664.2	721.6
125°	991.7	990.0	983.5	957.4	903.6	830.2	743.8	675.2	665.5	707.9	766.6
127.5°	1088.2	1084.6	1074.5	1042.9	987.8	917.0	822.0	744.4	722.5	749.3	803.1
130°	1154.8	1149.9	1131.9	1097.7	1043.9	977.0	880.8	792.7	761.7	778.0	825.3
132.5°	1218.7	1204.7	1189.3	1152.5	1102.6	1033.1	935.6	843.6	800.8	808.0	844.9
135°	1299.9	1286.9	1267.3	1231.4	1184.1	1115.6	1017.8	918.3	859.6	853.0	874.2
137.5°	1371.4	1357.7	1335.5	1304.5	1256.9	1195.9	1101.9	996.9	922.8	901.0	909.1
140°	1415.7	1399.4	1379.9	1348.9	1306.5	1242.8	1151.5	1050.4	967.2	936.2	931.3
142.5°	1452.3	1439.9	1419.0	1390.6	1353.4	1289.8	1201.1	1101.3	1012.9	972.7	961.3
145°	1507.1	1497.3	1474.5	1448.4	1417.4	1353.8	1272.2	1172.7	1084.6	1032.4	1008.0
147.5°	1553.4	1545.6	1527.6	1497.0	1470.9	1409.9	1335.5	1247.4	1157.1	1092.5	1060.8
150°	1582.1	1575.6	1557.6	1528.3	1502.2	1445.1	1373.3	1291.8	1205.3	1136.8	1096.1
152.5°	1609.5	1603.0	1582.4	1553.1	1530.9	1477.7	1412.5	1334.8	1247.1	1178.6	1136.5
155°	1645.7	1637.6	1618.0	1590.3	1570.7	1521.8	1461.4	1392.9	1317.9	1246.1	1198.8
157.5°	1674.4	1664.3	1646.0	1622.2	1601.3	1556.3	1503.8	1444.8	1379.2	1310.7	1262.4
160°	1691.4	1680.0	1660.4	1639.2	1619.6	1577.2	1529.9	1476.1	1415.7	1353.8	1301.6
162.5°	1703.1	1693.0	1669.5	1650.9	1634.0	1595.5	1550.8	1502.2	1448.4	1394.2	1345.9
165°	1715.8	1704.4	1680.0	1665.3	1650.6	1618.0	1578.8	1539.7	1494.0	1450.0	1410.8
167.5°	1716.8	1707.4	1682.9	1668.5	1657.8	1629.7	1598.1	1568.1	1532.5	1497.9	1465.3
170°	1714.2	1706.1	1681.6	1668.5	1660.4	1637.6	1609.8	1583.7	1556.0	1526.6	1500.6
172.5°	1705.1	1696.9	1673.8	1663.3	1659.1	1638.9	1616.4	1596.8	1573.0	1551.4	1530.6
175°	1681.6	1675.1	1655.5	1649.0	1650.6	1637.6	1621.2	1609.8	1595.2	1582.1	1570.7
177.5°	1647.3	1643.4	1629.1	1629.1	1634.3	1626.5	1621.2	1616.0	1609.5	1605.6	1601.7
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1428560

CATALOG NUMBER: SQ2W-WBM-K-125U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5	3348.5
2.5°	3335.2	3335.5	3348.1	3356.8	3353.9	3351.1	3353.9	3356.8	3348.1	3335.5	3335.2
5°	3331.2	3334.4	3354.4	3368.8	3366.7	3364.6	3366.7	3368.8	3354.4	3334.4	3331.2
7.5°	3339.6	3341.9	3357.1	3367.6	3364.3	3361.0	3364.3	3367.6	3357.1	3341.9	3339.6
10°	3336.7	3337.1	3352.8	3364.0	3361.9	3359.7	3361.9	3364.0	3352.8	3337.1	3336.7
12.5°	3335.0	3330.2	3342.5	3350.5	3345.5	3340.5	3345.5	3350.5	3342.5	3330.2	3335.0
15°	3323.7	3308.4	3308.4	3306.6	3299.5	3292.3	3299.5	3306.6	3308.4	3308.4	3323.7
17.5°	3274.9	3248.9	3238.0	3227.5	3218.8	3210.1	3218.8	3227.5	3238.0	3248.9	3274.9
20°	3223.1	3190.3	3172.5	3158.2	3154.6	3151.1	3154.6	3158.2	3172.5	3190.3	3223.1
22.5°	3156.8	3121.4	3101.8	3085.7	3079.9	3074.0	3079.9	3085.7	3101.8	3121.4	3156.8
25°	3029.4	2996.2	2982.0	2969.3	2961.5	2953.6	2961.5	2969.3	2982.0	2996.2	3029.4
27.5°	2865.7	2833.1	2816.9	2801.9	2791.1	2780.3	2791.1	2801.9	2816.9	2833.1	2865.7
30°	2744.9	2715.0	2693.6	2673.2	2656.1	2639.0	2656.1	2673.2	2693.6	2715.0	2744.9
32.5°	2597.5	2570.4	2550.2	2531.6	2517.9	2504.2	2517.9	2531.6	2550.2	2570.4	2597.5
35°	2347.6	2325.4	2301.9	2280.7	2266.4	2252.1	2266.4	2280.7	2301.9	2325.4	2347.6
37.5°	2033.0	2015.6	1997.0	1979.5	1965.1	1950.7	1965.1	1979.5	1997.0	2015.6	2033.0
40°	1809.4	1789.1	1762.0	1740.8	1737.2	1733.6	1737.2	1740.8	1762.0	1789.1	1809.4
42.5°	1568.0	1548.3	1527.4	1507.6	1490.9	1474.2	1490.9	1507.6	1527.4	1548.3	1568.0
45°	1202.3	1189.8	1164.9	1129.0	1060.5	992.0	1060.5	1129.0	1164.9	1189.8	1202.3
47.5°	833.0	815.9	741.7	665.3	582.1	498.9	582.1	665.3	741.7	815.9	833.0
50°	604.1	585.9	483.2	399.2	371.3	343.5	371.3	399.2	483.2	585.9	604.1
52.5°	445.7	437.2	350.5	281.7	267.0	252.3	267.0	281.7	350.5	437.2	445.7
55°	247.4	245.2	206.0	175.1	169.4	163.7	169.4	175.1	206.0	245.2	247.4
57.5°	143.7	143.7	130.0	117.5	108.5	99.5	108.5	117.5	130.0	143.7	143.7
60°	105.1	103.6	89.4	76.7	68.8	61.0	68.8	76.7	89.4	103.6	105.1
62.5°	82.8	81.9	70.5	61.3	58.6	55.9	58.6	61.3	70.5	81.9	82.8
65°	54.2	53.9	52.4	51.0	49.6	48.2	49.6	51.0	52.4	53.9	54.2
67.5°	45.9	45.5	45.4	44.9	43.7	42.4	43.7	44.9	45.4	45.5	45.9
70°	41.7	41.4	40.7	40.0	39.2	38.5	39.2	40.0	40.7	41.4	41.7
72.5°	36.9	36.5	36.4	36.0	34.7	33.4	34.7	36.0	36.4	36.5	36.9
75°	30.5	30.1	29.4	28.7	28.0	27.3	28.0	28.7	29.4	30.1	30.5
77.5°	23.5	23.1	23.1	22.9	22.2	21.5	22.2	22.9	23.1	23.1	23.5
80°	19.6	19.3	19.3	19.1	18.4	17.7	18.4	19.1	19.3	19.3	19.6
82.5°	15.5	15.4	15.4	15.2	14.5	13.8	14.5	15.2	15.4	15.4	15.5
85°	8.4	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.4
87.5°	10.4	12.4	14.6	15.9	17.2	16.6	17.2	15.9	14.6	12.4	10.4
90°	37.5	48.9	60.3	66.9	73.4	70.1	73.4	66.9	60.3	48.9	37.5
92.5°	75.4	94.6	108.6	120.4	125.6	124.9	125.6	120.4	108.6	94.6	75.4
95°	151.7	174.5	197.4	213.7	223.5	220.2	223.5	213.7	197.4	174.5	151.7
97.5°	233.9	264.6	290.0	305.3	315.1	321.6	315.1	305.3	290.0	264.6	233.9
100°	288.7	318.1	347.4	365.4	381.7	388.2	381.7	365.4	347.4	318.1	288.7
102.5°	333.1	371.5	403.5	422.8	436.5	443.0	436.5	422.8	403.5	371.5	333.1
105°	406.1	446.9	481.2	505.6	520.3	525.2	520.3	505.6	481.2	446.9	406.1
107.5°	479.2	521.3	552.9	580.0	597.9	608.4	597.9	580.0	552.9	521.3	479.2
110°	536.6	570.9	605.1	629.6	647.5	654.0	647.5	629.6	605.1	570.9	536.6



TEST NUMBER: P1428560

CATALOG NUMBER: SQ2W-WBM-K-125U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	584.9	623.1	657.3	681.8	702.3	711.5	702.3	681.8	657.3	623.1	584.9
115°	652.4	703.0	734.0	756.8	771.5	779.6	771.5	756.8	734.0	703.0	652.4
117.5°	708.5	761.4	795.3	812.9	819.8	825.6	819.8	812.9	795.3	761.4	708.5
120°	743.8	792.7	831.8	854.7	862.8	866.1	862.8	854.7	831.8	792.7	743.8
122.5°	776.4	822.7	860.5	888.6	902.0	905.2	902.0	888.6	860.5	822.7	776.4
125°	822.0	866.1	905.2	933.0	947.6	955.8	947.6	933.0	905.2	866.1	822.0
127.5°	861.8	909.5	945.3	970.5	984.8	991.3	984.8	970.5	945.3	909.5	861.8
130°	884.0	933.0	968.8	996.6	1009.6	1016.1	1009.6	996.6	968.8	933.0	884.0
132.5°	901.0	952.5	989.7	1014.8	1029.2	1035.7	1029.2	1014.8	989.7	952.5	901.0
135°	921.5	975.4	1014.5	1039.0	1052.0	1058.5	1052.0	1039.0	1014.5	975.4	921.5
137.5°	939.5	988.4	1029.2	1055.0	1066.7	1070.9	1066.7	1055.0	1029.2	988.4	939.5
140°	952.5	994.9	1035.7	1060.2	1073.2	1074.9	1073.2	1060.2	1035.7	994.9	952.5
142.5°	969.5	1002.8	1038.3	1062.8	1075.8	1078.8	1075.8	1062.8	1038.3	1002.8	969.5
145°	999.8	1019.4	1043.9	1066.7	1078.1	1081.4	1078.1	1066.7	1043.9	1019.4	999.8
147.5°	1038.0	1044.2	1056.9	1071.9	1083.0	1085.3	1083.0	1071.9	1056.9	1044.2	1038.0
150°	1066.7	1065.1	1070.0	1079.7	1089.5	1087.9	1089.5	1079.7	1070.0	1065.1	1066.7
152.5°	1099.3	1089.9	1089.5	1094.1	1098.7	1098.3	1098.7	1094.1	1089.5	1089.9	1099.3
155°	1154.8	1136.8	1127.0	1123.8	1123.8	1122.2	1123.8	1123.8	1127.0	1136.8	1154.8
157.5°	1215.8	1190.7	1176.0	1168.1	1165.9	1162.3	1165.9	1168.1	1176.0	1190.7	1215.8
160°	1257.5	1229.8	1215.1	1202.1	1197.2	1192.3	1197.2	1202.1	1215.1	1229.8	1257.5
162.5°	1296.7	1270.2	1254.3	1242.5	1237.6	1230.1	1237.6	1242.5	1254.3	1270.2	1296.7
165°	1360.3	1332.6	1314.6	1304.8	1298.3	1291.8	1298.3	1304.8	1314.6	1332.6	1360.3
167.5°	1423.9	1393.6	1381.8	1370.7	1364.5	1352.8	1364.5	1370.7	1381.8	1393.6	1423.9
170°	1463.0	1435.3	1428.8	1419.0	1407.6	1394.5	1407.6	1419.0	1428.8	1435.3	1463.0
172.5°	1497.0	1478.4	1471.8	1462.1	1458.5	1448.0	1458.5	1462.1	1471.8	1478.4	1497.0
175°	1546.2	1531.5	1531.5	1529.9	1525.0	1515.2	1525.0	1529.9	1531.5	1531.5	1546.2
177.5°	1587.3	1579.5	1584.7	1584.7	1583.4	1574.3	1583.4	1584.7	1584.7	1579.5	1587.3
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1428560

CATALOG NUMBER: SQ2W-WBM-K-125U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	3348.5	3348.5	3348.5	3348.5
2.5°	3347.2	3357.2	3361.2	3365.2
5°	3344.8	3356.2	3361.2	3366.2
7.5°	3350.0	3358.4	3360.5	3362.6
10°	3351.7	3362.8	3362.1	3361.3
12.5°	3356.9	3371.8	3365.9	3360.1
15°	3354.4	3374.5	3363.1	3351.7
17.5°	3315.9	3343.2	3329.6	3316.1
20°	3270.9	3303.4	3289.8	3276.3
22.5°	3208.0	3242.7	3228.0	3213.3
25°	3081.5	3117.7	3106.3	3094.9
27.5°	2914.5	2949.5	2943.2	2936.9
30°	2783.5	2811.6	2808.8	2805.9
32.5°	2631.5	2656.3	2653.4	2650.6
35°	2368.2	2384.1	2385.5	2387.0
37.5°	2049.4	2061.3	2059.3	2057.3
40°	1823.0	1832.8	1831.4	1830.0
42.5°	1586.7	1595.4	1574.0	1552.6
45°	1202.3	1186.1	1121.2	1056.2
47.5°	792.9	744.3	670.4	596.5
50°	537.8	475.5	425.6	375.6
52.5°	375.9	317.3	291.9	266.5
55°	212.4	183.9	174.6	165.3
57.5°	130.0	117.4	107.8	98.2
60°	93.6	83.1	75.3	67.4
62.5°	73.1	65.0	61.7	58.4
65°	53.5	52.8	52.1	51.4
67.5°	46.4	46.7	46.0	45.3
70°	41.7	41.6	40.8	40.1
72.5°	37.5	37.7	37.0	36.3
75°	30.5	30.5	30.5	30.5
77.5°	24.2	24.5	23.8	23.1
80°	20.3	20.7	20.0	19.3
82.5°	15.6	15.7	15.6	15.4
85°	9.1	9.6	9.6	9.6
87.5°	9.3	7.3	5.4	3.5
90°	29.4	17.9	11.4	4.9
92.5°	63.3	44.0	31.0	17.9
95°	127.2	101.1	71.8	50.6
97.5°	202.6	160.5	131.5	96.6
100°	243.0	202.2	174.5	137.0
102.5°	287.4	253.1	215.0	177.5
105°	367.0	324.6	280.5	238.1
107.5°	440.7	394.1	341.2	303.0
110°	487.7	437.1	381.7	347.4



TEST NUMBER: P1428560

CATALOG NUMBER: SQ2W-WBM-K-125U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	533.3	481.5	424.7	390.5
115°	595.3	538.2	486.0	456.7
117.5°	655.0	596.3	541.2	518.0
120°	691.6	632.8	579.0	561.1
122.5°	721.6	664.2	614.2	606.7
125°	766.6	707.9	665.5	675.2
127.5°	803.1	749.3	722.5	744.4
130°	825.3	778.0	761.7	792.7
132.5°	844.9	808.0	800.8	843.6
135°	874.2	853.0	859.6	918.3
137.5°	909.1	901.0	922.8	996.9
140°	931.3	936.2	967.2	1050.4
142.5°	961.3	972.7	1012.9	1101.3
145°	1008.0	1032.4	1084.6	1172.7
147.5°	1060.8	1092.5	1157.1	1247.4
150°	1096.1	1136.8	1205.3	1291.8
152.5°	1136.5	1178.6	1247.1	1334.8
155°	1198.8	1246.1	1317.9	1392.9
157.5°	1262.4	1310.7	1379.2	1444.8
160°	1301.6	1353.8	1415.7	1476.1
162.5°	1345.9	1394.2	1448.4	1502.2
165°	1410.8	1450.0	1494.0	1539.7
167.5°	1465.3	1497.9	1532.5	1568.1
170°	1500.6	1526.6	1556.0	1583.7
172.5°	1530.6	1551.4	1573.0	1596.8
175°	1570.7	1582.1	1595.2	1609.8
177.5°	1601.7	1605.6	1609.5	1616.0
180°	1614.7	1614.7	1614.7	1614.7

TEST NUMBER: P1428560  
 CATALOG NUMBER: SQ2W-WBM-K-125U-125D-L930-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	6.04	6.78	7.01	7.73	8.98	6.02	6.76	6.99	7.72	8.96
	3H	6.73	7.38	7.71	8.35	9.62	6.65	7.30	7.63	8.27	9.53
	4H	7.09	7.71	8.09	8.68	9.96	6.95	7.56	7.94	8.54	9.81
	6H	7.36	7.93	8.36	8.90	10.19	7.18	7.75	8.19	8.72	10.01
	8H	7.48	8.01	8.49	9.01	10.29	7.28	7.81	8.29	8.81	10.09
	12H	7.56	8.06	8.57	9.05	10.36	7.33	7.84	8.34	8.82	10.13
4H	2H	6.14	6.75	7.13	7.72	9.00	6.12	6.73	7.12	7.70	8.98
	3H	7.07	7.58	8.08	8.58	9.87	6.99	7.49	7.99	8.49	9.78
	4H	7.58	8.04	8.59	9.03	10.35	7.43	7.89	8.44	8.88	10.20
	6H	8.01	8.40	9.03	9.42	10.73	7.81	8.20	8.83	9.22	10.53
	8H	8.20	8.56	9.22	9.57	10.90	7.97	8.34	8.99	9.35	10.67
	12H	8.32	8.65	9.36	9.67	11.00	8.06	8.39	9.10	9.42	10.74
8H	4H	7.70	8.06	8.72	9.07	10.40	7.56	7.93	8.58	8.94	10.26
	6H	8.27	8.57	9.31	9.62	10.95	8.08	8.38	9.12	9.43	10.75
	8H	8.56	8.83	9.61	9.87	11.21	8.35	8.61	9.40	9.65	10.99
	12H	8.78	9.01	9.83	10.04	11.43	8.51	8.75	9.57	9.78	11.16
12H	4H	7.67	8.00	8.71	9.03	10.36	7.54	7.87	8.58	8.90	10.23
	6H	8.31	8.57	9.36	9.61	10.95	8.13	8.39	9.18	9.43	10.77
	8H	8.63	8.86	9.68	9.90	11.28	8.42	8.66	9.48	9.69	11.08