

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: P1428561

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

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428561  
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-L935-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: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

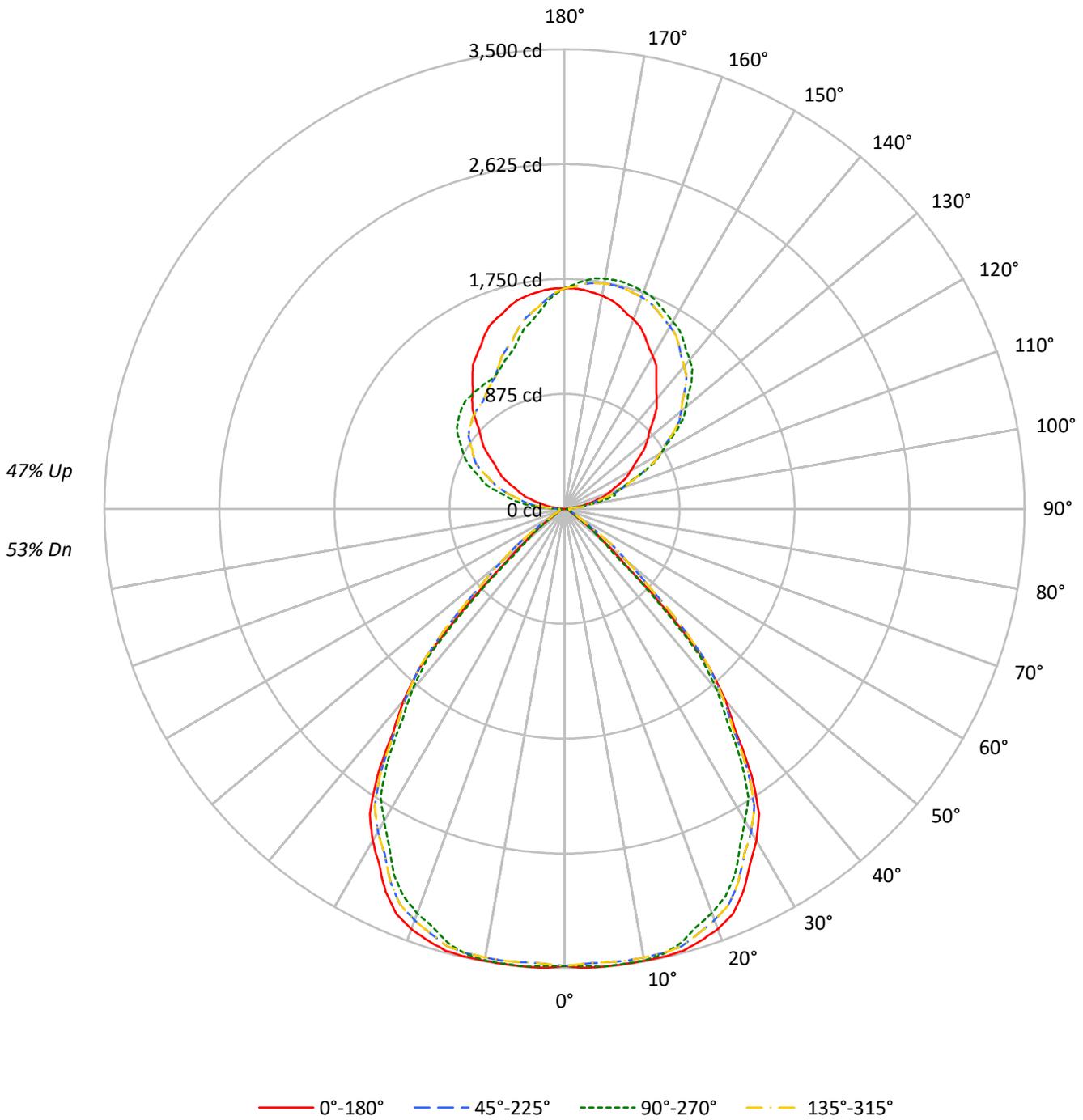
Lumens per Lamp: N/A  
Luminaire Lumens: 10354.7 lumens  
Efficiency: N/A  
Efficacy: 110.4 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

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: P1428561

CATALOG NUMBER: SQ2W-WBM-K-125U-125D-L935-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	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°	56211	56211	56211	56211
5°	56724	56696	56724	56696
10°	57298	57270	57298	57270
15°	58249	57217	58249	57217
20°	58528	56291	58528	56291
25°	57324	54707	57324	54707
30°	54390	51153	54390	51153
35°	48916	46153	48916	46153
40°	40100	37990	40100	37990
45°	25075	23550	25075	23550
50°	9809	8972	9809	8972
55°	4839	4791	4839	4791
60°	2264	2047	2264	2047
65°	2040	1914	2040	1914
70°	1969	1893	1969	1893
75°	1977	1772	1977	1772
80°	1860	1711	1860	1711
85°	1852	1538	1852	1538

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 30°  
 Vertical Angle: 45°  
 Luminance: 28544 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	332.9	3.2
10°-20°	973.3	9.4
20°-30°	1439.1	13.9
30°-40°	1489.0	14.4
40°-50°	895.6	8.6
50°-60°	214.1	2.1
60°-70°	58.6	0.6
70°-80°	32.7	0.3
80°-90°	17.3	0.2
90°-100°	133.6	1.3
100°-110°	389.6	3.8
110°-120°	635.9	6.1
120°-130°	806.9	7.8
130°-140°	863.4	8.3
140°-150°	806.2	7.8
150°-160°	663.4	6.4
160°-170°	444.9	4.3
170°-180°	158.0	1.5
0°-30°	2745.4	26.5
0°-40°	4234.4	40.9
0°-60°	5344.2	51.6
0°-90°	5452.7	52.7
90°-120°	1159.2	11.2
90°-150°	3635.7	35.1
90°-180°	4902.0	47.3
0°-180°	10354.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3482	3482	3482	3482	3482	
5°	3500	3498	3500	3498	3500	334
15°	3485	3423	3485	3423	3485	982
25°	3218	3071	3218	3071	3218	1471
35°	2482	2342	2482	2342	2482	1524
45°	1098	1031	1098	1031	1098	849
55°	172	170	172	170	172	172
65°	53	50	53	50	53	54
75°	32	28	32	28	32	33
85°	10	8	10	8	10	10
90°	5	37	5	73	5	4
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°	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5
2.5°	3498.9	3494.7	3490.6	3480.2	3467.7	3468.0	3481.1	3490.1	3487.1	3484.2	3487.1
5°	3499.9	3494.7	3489.5	3477.6	3463.5	3466.9	3487.6	3502.6	3500.4	3498.2	3500.4
7.5°	3496.2	3494.0	3491.7	3483.1	3472.2	3474.7	3490.4	3501.3	3497.9	3494.5	3497.9
10°	3494.9	3495.6	3496.3	3484.8	3469.3	3469.6	3486.0	3497.6	3495.4	3493.2	3495.4
12.5°	3493.5	3499.6	3505.7	3490.2	3467.5	3462.5	3475.3	3483.5	3478.4	3473.2	3478.4
15°	3484.8	3496.7	3508.6	3487.6	3455.7	3439.8	3439.8	3437.9	3430.5	3423.1	3430.5
17.5°	3447.8	3461.9	3476.0	3447.6	3405.0	3378.0	3366.6	3355.7	3346.7	3337.6	3346.7
20°	3406.4	3420.5	3434.6	3400.8	3351.1	3317.0	3298.5	3283.6	3279.9	3276.2	3279.9
22.5°	3341.0	3356.3	3371.5	3335.4	3282.2	3245.4	3225.0	3208.3	3202.2	3196.1	3202.2
25°	3217.8	3229.7	3241.5	3203.9	3149.7	3115.3	3100.4	3087.3	3079.1	3070.9	3079.1
27.5°	3053.6	3060.1	3066.6	3030.2	2979.5	2945.7	2928.7	2913.2	2902.0	2890.7	2902.0
30°	2917.4	2920.4	2923.3	2894.0	2854.0	2822.8	2800.6	2779.4	2761.6	2743.8	2761.6
32.5°	2755.8	2758.8	2761.8	2736.0	2700.7	2672.5	2651.5	2632.1	2617.9	2603.6	2617.9
35°	2481.8	2480.3	2478.8	2462.3	2440.8	2417.8	2393.3	2371.3	2356.4	2341.6	2356.4
37.5°	2139.0	2141.1	2143.1	2130.9	2113.8	2095.6	2076.3	2058.1	2043.1	2028.2	2043.1
40°	1902.6	1904.1	1905.6	1895.4	1881.3	1860.2	1832.0	1809.9	1806.2	1802.5	1806.2
42.5°	1614.2	1636.5	1658.8	1649.7	1630.3	1609.8	1588.1	1567.5	1550.2	1532.8	1550.2
45°	1098.2	1165.7	1233.2	1250.1	1250.1	1237.1	1211.1	1173.9	1102.6	1031.4	1102.6
47.5°	620.2	697.0	773.9	824.4	866.1	848.3	771.2	691.7	605.2	518.7	605.2
50°	390.5	442.5	494.4	559.1	628.1	609.2	502.4	415.0	386.1	357.2	386.1
52.5°	277.1	303.5	329.9	390.9	463.4	454.6	364.4	292.9	277.6	262.4	277.6
55°	171.9	181.5	191.2	220.9	257.2	255.0	214.2	182.1	176.2	170.2	176.2
57.5°	102.1	112.1	122.0	135.2	149.4	149.4	135.2	122.2	112.8	103.5	112.8
60°	70.1	78.3	86.4	97.4	109.2	107.7	92.9	79.7	71.6	63.4	71.6
62.5°	60.8	64.2	67.6	76.0	86.1	85.2	73.3	63.7	60.9	58.1	60.9
65°	53.4	54.1	54.9	55.6	56.4	56.0	54.5	53.0	51.6	50.1	51.6
67.5°	47.1	47.8	48.5	48.3	47.7	47.3	47.2	46.7	45.4	44.1	45.4
70°	41.7	42.5	43.2	43.4	43.4	43.0	42.3	41.5	40.8	40.1	40.8
72.5°	37.7	38.5	39.2	38.9	38.3	38.0	37.8	37.4	36.1	34.7	36.1
75°	31.7	31.7	31.7	31.7	31.7	31.3	30.6	29.9	29.1	28.4	29.1
77.5°	24.0	24.8	25.5	25.1	24.4	24.0	24.0	23.8	23.1	22.4	23.1
80°	20.0	20.8	21.5	21.1	20.4	20.0	20.0	19.8	19.1	18.4	19.1
82.5°	16.0	16.2	16.3	16.2	16.1	16.0	16.0	15.8	15.1	14.4	15.1
85°	10.0	10.0	10.0	9.5	8.7	8.3	8.3	8.3	8.3	8.3	8.3
87.5°	3.7	5.6	7.9	9.0	9.4	9.5	9.5	9.8	10.1	10.1	10.1
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°	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5
2.5°	3490.1	3481.1	3468.0	3467.7	3480.2	3490.6	3494.7	3498.9	3494.7	3490.6	3480.2
5°	3502.6	3487.6	3466.9	3463.5	3477.6	3489.5	3494.7	3499.9	3494.7	3489.5	3477.6
7.5°	3501.3	3490.4	3474.7	3472.2	3483.1	3491.7	3494.0	3496.2	3494.0	3491.7	3483.1
10°	3497.6	3486.0	3469.6	3469.3	3484.8	3496.3	3495.6	3494.9	3495.6	3496.3	3484.8
12.5°	3483.5	3475.3	3462.5	3467.5	3490.2	3505.7	3499.6	3493.5	3499.6	3505.7	3490.2
15°	3437.9	3439.8	3439.8	3455.7	3487.6	3508.6	3496.7	3484.8	3496.7	3508.6	3487.6
17.5°	3355.7	3366.6	3378.0	3405.0	3447.6	3476.0	3461.9	3447.8	3461.9	3476.0	3447.6
20°	3283.6	3298.5	3317.0	3351.1	3400.8	3434.6	3420.5	3406.4	3420.5	3434.6	3400.8
22.5°	3208.3	3225.0	3245.4	3282.2	3335.4	3371.5	3356.3	3341.0	3356.3	3371.5	3335.4
25°	3087.3	3100.4	3115.3	3149.7	3203.9	3241.5	3229.7	3217.8	3229.7	3241.5	3203.9
27.5°	2913.2	2928.7	2945.7	2979.5	3030.2	3066.6	3060.1	3053.6	3060.1	3066.6	3030.2
30°	2779.4	2800.6	2822.8	2854.0	2894.0	2923.3	2920.4	2917.4	2920.4	2923.3	2894.0
32.5°	2632.1	2651.5	2672.5	2700.7	2736.0	2761.8	2758.8	2755.8	2758.8	2761.8	2736.0
35°	2371.3	2393.3	2417.8	2440.8	2462.3	2478.8	2480.3	2481.8	2480.3	2478.8	2462.3
37.5°	2058.1	2076.3	2095.6	2113.8	2130.9	2143.1	2141.1	2139.0	2141.1	2143.1	2130.9
40°	1809.9	1832.0	1860.2	1881.3	1895.4	1905.6	1904.1	1902.6	1904.1	1905.6	1895.4
42.5°	1567.5	1588.1	1609.8	1630.3	1649.7	1658.8	1636.5	1614.2	1636.5	1658.8	1649.7
45°	1173.9	1211.1	1237.1	1250.1	1250.1	1233.2	1165.7	1098.2	1165.7	1233.2	1250.1
47.5°	691.7	771.2	848.3	866.1	824.4	773.9	697.0	620.2	697.0	773.9	824.4
50°	415.0	502.4	609.2	628.1	559.1	494.4	442.5	390.5	442.5	494.4	559.1
52.5°	292.9	364.4	454.6	463.4	390.9	329.9	303.5	277.1	303.5	329.9	390.9
55°	182.1	214.2	255.0	257.2	220.9	191.2	181.5	171.9	181.5	191.2	220.9
57.5°	122.2	135.2	149.4	149.4	135.2	122.0	112.1	102.1	112.1	122.0	135.2
60°	79.7	92.9	107.7	109.2	97.4	86.4	78.3	70.1	78.3	86.4	97.4
62.5°	63.7	73.3	85.2	86.1	76.0	67.6	64.2	60.8	64.2	67.6	76.0
65°	53.0	54.5	56.0	56.4	55.6	54.9	54.1	53.4	54.1	54.9	55.6
67.5°	46.7	47.2	47.3	47.7	48.3	48.5	47.8	47.1	47.8	48.5	48.3
70°	41.5	42.3	43.0	43.4	43.4	43.2	42.5	41.7	42.5	43.2	43.4
72.5°	37.4	37.8	38.0	38.3	38.9	39.2	38.5	37.7	38.5	39.2	38.9
75°	29.9	30.6	31.3	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
77.5°	23.8	24.0	24.0	24.4	25.1	25.5	24.8	24.0	24.8	25.5	25.1
80°	19.8	20.0	20.0	20.4	21.1	21.5	20.8	20.0	20.8	21.5	21.1
82.5°	15.8	16.0	16.0	16.1	16.2	16.3	16.2	16.0	16.2	16.3	16.2
85°	8.3	8.3	8.3	8.7	9.5	10.0	10.0	10.0	10.0	10.0	9.5
87.5°	9.8	9.5	9.5	9.4	9.0	7.9	5.6	3.7	5.6	7.6	9.7
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: P1428561

CATALOG NUMBER: SQ2W-WBM-K-125U-125D-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: P1428561

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

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5
2.5°	3467.7	3468.0	3481.1	3490.1	3487.1	3484.2	3487.1	3490.1	3481.1	3468.0	3467.7
5°	3463.5	3466.9	3487.6	3502.6	3500.4	3498.2	3500.4	3502.6	3487.6	3466.9	3463.5
7.5°	3472.2	3474.7	3490.4	3501.3	3497.9	3494.5	3497.9	3501.3	3490.4	3474.7	3472.2
10°	3469.3	3469.6	3486.0	3497.6	3495.4	3493.2	3495.4	3497.6	3486.0	3469.6	3469.3
12.5°	3467.5	3462.5	3475.3	3483.5	3478.4	3473.2	3478.4	3483.5	3475.3	3462.5	3467.5
15°	3455.7	3439.8	3439.8	3437.9	3430.5	3423.1	3430.5	3437.9	3439.8	3439.8	3455.7
17.5°	3405.0	3378.0	3366.6	3355.7	3346.7	3337.6	3346.7	3355.7	3366.6	3378.0	3405.0
20°	3351.1	3317.0	3298.5	3283.6	3279.9	3276.2	3279.9	3283.6	3298.5	3317.0	3351.1
22.5°	3282.2	3245.4	3225.0	3208.3	3202.2	3196.1	3202.2	3208.3	3225.0	3245.4	3282.2
25°	3149.7	3115.3	3100.4	3087.3	3079.1	3070.9	3079.1	3087.3	3100.4	3115.3	3149.7
27.5°	2979.5	2945.7	2928.7	2913.2	2902.0	2890.7	2902.0	2913.2	2928.7	2945.7	2979.5
30°	2854.0	2822.8	2800.6	2779.4	2761.6	2743.8	2761.6	2779.4	2800.6	2822.8	2854.0
32.5°	2700.7	2672.5	2651.5	2632.1	2617.9	2603.6	2617.9	2632.1	2651.5	2672.5	2700.7
35°	2440.8	2417.8	2393.3	2371.3	2356.4	2341.6	2356.4	2371.3	2393.3	2417.8	2440.8
37.5°	2113.8	2095.6	2076.3	2058.1	2043.1	2028.2	2043.1	2058.1	2076.3	2095.6	2113.8
40°	1881.3	1860.2	1832.0	1809.9	1806.2	1802.5	1806.2	1809.9	1832.0	1860.2	1881.3
42.5°	1630.3	1609.8	1588.1	1567.5	1550.2	1532.8	1550.2	1567.5	1588.1	1609.8	1630.3
45°	1250.1	1237.1	1211.1	1173.9	1102.6	1031.4	1102.6	1173.9	1211.1	1237.1	1250.1
47.5°	866.1	848.3	771.2	691.7	605.2	518.7	605.2	691.7	771.2	848.3	866.1
50°	628.1	609.2	502.4	415.0	386.1	357.2	386.1	415.0	502.4	609.2	628.1
52.5°	463.4	454.6	364.4	292.9	277.6	262.4	277.6	292.9	364.4	454.6	463.4
55°	257.2	255.0	214.2	182.1	176.2	170.2	176.2	182.1	214.2	255.0	257.2
57.5°	149.4	149.4	135.2	122.2	112.8	103.5	112.8	122.2	135.2	149.4	149.4
60°	109.2	107.7	92.9	79.7	71.6	63.4	71.6	79.7	92.9	107.7	109.2
62.5°	86.1	85.2	73.3	63.7	60.9	58.1	60.9	63.7	73.3	85.2	86.1
65°	56.4	56.0	54.5	53.0	51.6	50.1	51.6	53.0	54.5	56.0	56.4
67.5°	47.7	47.3	47.2	46.7	45.4	44.1	45.4	46.7	47.2	47.3	47.7
70°	43.4	43.0	42.3	41.5	40.8	40.1	40.8	41.5	42.3	43.0	43.4
72.5°	38.3	38.0	37.8	37.4	36.1	34.7	36.1	37.4	37.8	38.0	38.3
75°	31.7	31.3	30.6	29.9	29.1	28.4	29.1	29.9	30.6	31.3	31.7
77.5°	24.4	24.0	24.0	23.8	23.1	22.4	23.1	23.8	24.0	24.0	24.4
80°	20.4	20.0	20.0	19.8	19.1	18.4	19.1	19.8	20.0	20.0	20.4
82.5°	16.1	16.0	16.0	15.8	15.1	14.4	15.1	15.8	16.0	16.0	16.1
85°	8.7	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.7
87.5°	10.8	12.8	15.2	16.6	17.9	17.3	17.9	16.6	15.2	12.8	10.8
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: P1428561

CATALOG NUMBER: SQ2W-WBM-K-125U-125D-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: P1428561

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

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	3481.5	3481.5	3481.5	3481.5
2.5°	3480.2	3490.6	3494.7	3498.9
5°	3477.6	3489.5	3494.7	3499.9
7.5°	3483.1	3491.7	3494.0	3496.2
10°	3484.8	3496.3	3495.6	3494.9
12.5°	3490.2	3505.7	3499.6	3493.5
15°	3487.6	3508.6	3496.7	3484.8
17.5°	3447.6	3476.0	3461.9	3447.8
20°	3400.8	3434.6	3420.5	3406.4
22.5°	3335.4	3371.5	3356.3	3341.0
25°	3203.9	3241.5	3229.7	3217.8
27.5°	3030.2	3066.6	3060.1	3053.6
30°	2894.0	2923.3	2920.4	2917.4
32.5°	2736.0	2761.8	2758.8	2755.8
35°	2462.3	2478.8	2480.3	2481.8
37.5°	2130.9	2143.1	2141.1	2139.0
40°	1895.4	1905.6	1904.1	1902.6
42.5°	1649.7	1658.8	1636.5	1614.2
45°	1250.1	1233.2	1165.7	1098.2
47.5°	824.4	773.9	697.0	620.2
50°	559.1	494.4	442.5	390.5
52.5°	390.9	329.9	303.5	277.1
55°	220.9	191.2	181.5	171.9
57.5°	135.2	122.0	112.1	102.1
60°	97.4	86.4	78.3	70.1
62.5°	76.0	67.6	64.2	60.8
65°	55.6	54.9	54.1	53.4
67.5°	48.3	48.5	47.8	47.1
70°	43.4	43.2	42.5	41.7
72.5°	38.9	39.2	38.5	37.7
75°	31.7	31.7	31.7	31.7
77.5°	25.1	25.5	24.8	24.0
80°	21.1	21.5	20.8	20.0
82.5°	16.2	16.3	16.2	16.0
85°	9.5	10.0	10.0	10.0
87.5°	9.7	7.6	5.6	3.7
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



TEST NUMBER: P1428561

CATALOG NUMBER: SQ2W-WBM-K-125U-125D-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: P1428561  
 CATALOG NUMBER: SQ2W-WBM-K-125U-125D-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	6.18	6.91	7.14	7.87	9.11	6.16	6.89	7.13	7.85	9.10
	3H	6.86	7.51	7.84	8.48	9.75	6.78	7.43	7.76	8.40	9.67
	4H	7.23	7.84	8.22	8.81	10.09	7.09	7.70	8.08	8.67	9.95
	6H	7.50	8.06	8.50	9.04	10.32	7.32	7.88	8.32	8.86	10.15
	8H	7.62	8.15	8.62	9.14	10.43	7.42	7.95	8.42	8.94	10.23
	12H	7.69	8.20	8.70	9.18	10.49	7.47	7.97	8.48	8.96	10.27
4H	2H	6.27	6.88	7.27	7.85	9.13	6.25	6.87	7.25	7.84	9.12
	3H	7.21	7.71	8.21	8.71	10.00	7.13	7.63	8.13	8.63	9.92
	4H	7.71	8.17	8.72	9.17	10.48	7.57	8.03	8.58	9.02	10.34
	6H	8.14	8.53	9.16	9.55	10.86	7.94	8.33	8.96	9.35	10.67
	8H	8.33	8.70	9.35	9.71	11.03	8.11	8.47	9.13	9.48	10.81
	12H	8.45	8.78	9.49	9.81	11.14	8.20	8.53	9.23	9.55	10.88
8H	4H	7.83	8.20	8.85	9.21	10.53	7.70	8.06	8.72	9.07	10.40
	6H	8.41	8.70	9.45	9.76	11.08	8.21	8.51	9.26	9.57	10.89
	8H	8.70	8.96	9.75	10.00	11.34	8.48	8.74	9.53	9.78	11.13
	12H	8.91	9.14	9.96	10.18	11.56	8.65	8.88	9.70	9.91	11.30
12H	4H	7.81	8.14	8.84	9.16	10.49	7.68	8.01	8.72	9.03	10.36
	6H	8.44	8.70	9.49	9.74	11.09	8.26	8.52	9.31	9.56	10.90
	8H	8.77	9.00	9.82	10.03	11.42	8.56	8.79	9.61	9.82	11.21