

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: P1428571

Luminaire Tested: SQ2W-WBM-K-150U-100D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428571
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-150U-100D-L940-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 1000 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

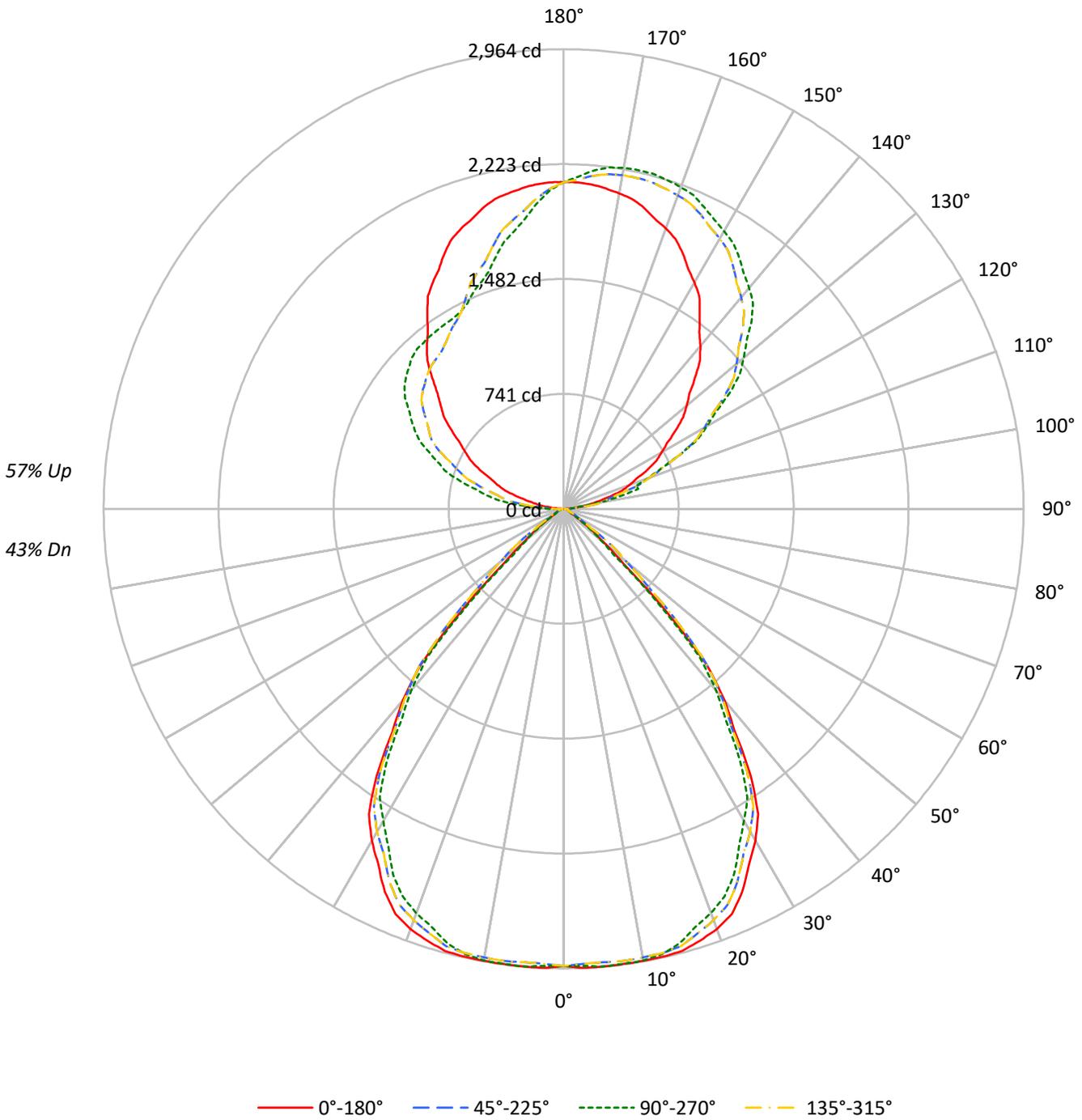
Lumens per Lamp: N/A
Luminaire Lumens: 10770.9 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 93.2
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	0
RCR																		
0	105	105	105	105	96	96	96	96	79	79	79	64	64	64	50	50	50	43
1	98	94	91	88	89	86	83	81	72	70	68	58	57	56	46	45	45	39
2	90	84	79	74	83	77	73	69	65	62	59	53	51	49	43	41	40	35
3	83	75	69	64	76	70	64	60	59	55	52	49	46	44	39	38	36	32
4	77	68	61	56	71	63	57	52	53	49	46	44	41	39	36	34	33	29
5	71	61	54	49	66	57	51	46	49	44	40	41	37	35	34	31	30	26
6	66	56	48	43	61	52	45	41	44	40	36	37	34	31	31	29	27	24
7	62	51	44	38	57	47	41	36	41	36	32	35	31	28	29	26	25	22
8	58	46	39	35	53	43	37	33	37	33	29	32	28	26	27	24	22	20
9	54	43	36	31	50	40	34	30	35	30	27	30	26	24	25	22	21	19
10	50	39	33	28	46	37	31	27	32	27	24	28	24	22	23	21	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	47604	47604	47604	47604
5°	48037	48014	48037	48014
10°	48523	48500	48523	48500
15°	49330	48455	49330	48455
20°	49566	47671	49566	47671
25°	48547	46331	48547	46331
30°	46060	43320	46060	43320
35°	41425	39085	41425	39085
40°	33961	32173	33961	32173
45°	21235	19945	21235	19945
50°	8307	7598	8307	7598
55°	4098	4059	4098	4059
60°	1918	1734	1918	1734
65°	1727	1620	1727	1620
70°	1666	1600	1666	1600
75°	1678	1497	1678	1497
80°	1581	1441	1581	1441
85°	1575	1315	1575	1315

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°
 Vertical Angle: 45°
 Luminance: 24171 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.9	2.6
10°-20°	824.3	7.7
20°-30°	1218.8	11.3
30°-40°	1261.0	11.7
40°-50°	758.5	7.0
50°-60°	181.3	1.7
60°-70°	49.6	0.5
70°-80°	27.8	0.3
80°-90°	17.5	0.2
90°-100°	167.6	1.6
100°-110°	488.9	4.5
110°-120°	797.8	7.4
120°-130°	1012.4	9.4
130°-140°	1083.3	10.1
140°-150°	1011.5	9.4
150°-160°	832.4	7.7
160°-170°	558.2	5.2
170°-180°	198.2	1.8
0°-30°	2325.0	21.6
0°-40°	3586.0	33.3
0°-60°	4525.8	42.0
0°-90°	4620.6	42.9
90°-120°	1454.3	13.5
90°-150°	4561.5	42.4
90°-180°	6150.0	57.1
0°-180°	10770.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2948	2948	2948	2948	2948	
5°	2964	2962	2964	2962	2964	283
15°	2951	2899	2951	2899	2951	832
25°	2725	2601	2725	2601	2725	1246
35°	2102	1983	2102	1983	2102	1290
45°	930	874	930	874	930	719
55°	146	144	146	144	146	146
65°	45	42	45	42	45	45
75°	27	24	27	24	27	28
85°	8	7	8	7	8	9
90°	6	47	6	92	6	5
95°	66	49	66	287	66	80
105°	311	498	311	685	311	330
115°	596	826	596	1017	596	587
125°	881	1308	881	1247	881	788
135°	1198	1713	1198	1381	1198	926
145°	1530	1974	1530	1411	1530	957
155°	1817	2145	1817	1464	1817	835
165°	2008	2236	2008	1685	2008	565
175°	2100	2189	2100	1977	2100	199
180°	2106	2106	2106	2106	2106	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4
2.5°	2963.1	2959.6	2956.0	2947.2	2936.7	2936.9	2948.0	2955.7	2953.1	2950.6	2953.1
5°	2963.9	2959.5	2955.1	2945.1	2933.1	2936.0	2953.6	2966.3	2964.4	2962.5	2964.4
7.5°	2960.8	2958.9	2957.0	2949.7	2940.5	2942.6	2955.9	2965.2	2962.3	2959.4	2962.3
10°	2959.7	2960.3	2960.9	2951.2	2938.0	2938.3	2952.1	2962.0	2960.2	2958.3	2960.2
12.5°	2958.6	2963.7	2968.9	2955.7	2936.5	2932.3	2943.1	2950.1	2945.7	2941.3	2945.7
15°	2951.2	2961.3	2971.3	2953.6	2926.5	2913.0	2913.0	2911.5	2905.2	2898.9	2905.2
17.5°	2919.8	2931.8	2943.7	2919.6	2883.6	2860.7	2851.0	2841.9	2834.2	2826.5	2834.2
20°	2884.8	2896.7	2908.6	2880.1	2838.0	2809.1	2793.4	2780.8	2777.7	2774.5	2777.7
22.5°	2829.4	2842.3	2855.2	2824.7	2779.5	2748.4	2731.2	2717.0	2711.8	2706.7	2711.8
25°	2725.1	2735.1	2745.2	2713.3	2667.4	2638.2	2625.6	2614.5	2607.6	2600.7	2607.6
27.5°	2586.0	2591.5	2597.0	2566.2	2523.2	2494.6	2480.3	2467.1	2457.6	2448.0	2457.6
30°	2470.6	2473.2	2475.7	2450.9	2416.9	2390.5	2371.7	2353.8	2338.7	2323.6	2338.7
32.5°	2333.8	2336.3	2338.8	2317.1	2287.1	2263.3	2245.4	2229.0	2217.0	2204.9	2217.0
35°	2101.7	2100.5	2099.2	2085.3	2067.0	2047.6	2026.8	2008.1	1995.6	1983.0	1995.6
37.5°	1811.4	1813.2	1814.9	1804.5	1790.1	1774.7	1758.4	1743.0	1730.3	1717.6	1730.3
40°	1611.3	1612.5	1613.8	1605.2	1593.2	1575.3	1551.5	1532.8	1529.6	1526.5	1529.6
42.5°	1367.1	1385.9	1404.7	1397.1	1380.7	1363.2	1344.9	1327.5	1312.8	1298.1	1312.8
45°	930.0	987.2	1044.4	1058.6	1058.6	1047.7	1025.7	994.1	933.8	873.5	933.8
47.5°	525.2	590.3	655.4	698.1	733.4	718.4	653.1	585.8	512.5	439.3	512.5
50°	330.7	374.7	418.7	473.5	531.9	515.9	425.4	351.5	327.0	302.5	327.0
52.5°	234.6	257.0	279.4	331.0	392.5	385.0	308.6	248.1	235.1	222.2	235.1
55°	145.6	153.7	161.9	187.0	217.8	215.9	181.4	154.2	149.2	144.2	149.2
57.5°	86.5	94.9	103.3	114.5	126.5	126.5	114.5	103.5	95.5	87.6	95.5
60°	59.4	66.3	73.2	82.4	92.5	91.2	78.7	67.5	60.6	53.7	60.6
62.5°	51.4	54.3	57.2	64.4	72.9	72.1	62.1	54.0	51.6	49.2	51.6
65°	45.2	45.9	46.5	47.1	47.7	47.4	46.2	44.9	43.7	42.4	43.7
67.5°	39.9	40.5	41.1	40.9	40.4	40.1	40.0	39.6	38.4	37.3	38.4
70°	35.3	36.0	36.6	36.7	36.7	36.4	35.8	35.2	34.6	33.9	34.6
72.5°	31.9	32.6	33.2	33.0	32.5	32.2	32.0	31.7	30.5	29.4	30.5
75°	26.9	26.9	26.9	26.9	26.9	26.5	25.9	25.3	24.7	24.0	24.7
77.5°	20.4	21.0	21.6	21.3	20.7	20.4	20.4	20.2	19.6	18.9	19.6
80°	17.0	17.6	18.2	17.9	17.3	17.0	17.0	16.8	16.2	15.5	16.2
82.5°	13.6	13.7	13.8	13.8	13.6	13.6	13.6	13.4	12.8	12.2	12.8
85°	8.5	8.5	8.5	8.0	7.4	7.1	7.1	7.1	7.1	7.1	7.1
87.5°	3.5	5.7	8.4	9.8	10.6	10.8	10.8	11.2	11.6	11.6	11.6
90°	6.4	14.9	25.5	34.0	40.4	42.6	42.6	44.7	46.8	46.8	46.8
92.5°	23.4	37.0	37.4	37.4	45.5	49.4	52.8	53.2	55.3	55.3	55.3
95°	66.0	72.3	108.5	106.4	72.3	57.4	48.9	48.9	48.9	48.9	48.9
97.5°	126.0	135.3	141.3	189.4	200.0	193.2	157.4	132.3	118.3	111.9	118.3
100°	178.7	183.0	195.7	197.9	251.1	302.1	276.6	244.7	234.0	227.7	234.0
102.5°	231.5	234.0	253.6	262.6	274.9	303.8	392.3	382.6	375.3	374.0	375.3
105°	310.6	312.8	348.9	366.0	374.5	374.5	372.3	414.9	483.0	497.9	483.0
107.5°	395.3	405.1	447.7	493.2	503.0	505.5	494.5	488.1	485.5	487.2	485.5
110°	453.2	468.1	519.2	576.6	591.5	595.8	591.5	585.1	580.9	580.9	580.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	509.4	531.1	588.9	654.9	680.0	692.8	683.4	678.7	674.5	677.9	674.5
115°	595.8	627.7	704.3	772.3	823.4	829.8	827.7	827.7	825.5	825.5	825.5
117.5°	675.8	726.8	812.8	891.9	951.1	968.1	976.6	974.1	971.5	975.8	971.5
120°	731.9	791.5	889.4	978.7	1036.2	1061.7	1070.2	1066.0	1070.2	1066.0	1070.2
122.5°	791.5	864.7	960.9	1053.6	1121.3	1150.2	1160.4	1161.3	1162.1	1159.6	1162.1
125°	880.9	970.2	1083.0	1178.7	1248.9	1283.0	1291.5	1293.6	1297.9	1308.5	1297.9
127.5°	971.1	1072.4	1196.2	1288.5	1360.4	1401.7	1414.9	1419.6	1428.5	1433.2	1428.5
130°	1034.1	1148.9	1274.5	1361.7	1431.9	1476.6	1500.0	1506.4	1517.0	1514.9	1517.0
132.5°	1100.4	1220.4	1347.7	1438.3	1503.4	1551.5	1571.5	1589.8	1593.6	1596.6	1593.6
135°	1197.9	1327.7	1455.3	1544.7	1606.4	1653.2	1678.7	1695.8	1706.4	1712.8	1706.4
137.5°	1300.4	1437.5	1560.0	1639.6	1701.7	1742.1	1771.1	1789.0	1800.0	1805.1	1800.0
140°	1370.2	1502.1	1621.3	1704.3	1759.6	1800.0	1825.5	1846.8	1859.6	1859.6	1859.6
142.5°	1436.6	1566.8	1682.6	1765.5	1814.1	1851.1	1878.3	1894.5	1909.0	1909.0	1909.0
145°	1529.8	1659.6	1766.0	1849.0	1889.4	1923.4	1953.2	1966.0	1974.5	1974.5	1974.5
147.5°	1627.2	1742.1	1839.2	1918.7	1952.8	1992.8	2016.2	2026.4	2037.0	2032.4	2037.0
150°	1685.1	1791.5	1885.1	1959.6	1993.6	2031.9	2055.3	2063.8	2074.5	2068.1	2074.5
152.5°	1741.3	1842.6	1927.7	1997.0	2026.0	2064.3	2091.1	2099.6	2106.8	2102.1	2106.8
155°	1817.0	1906.4	1985.1	2049.0	2074.5	2110.7	2136.2	2146.8	2155.3	2144.7	2155.3
157.5°	1884.7	1961.7	2030.2	2089.0	2116.2	2147.3	2171.1	2184.3	2192.8	2188.1	2192.8
160°	1925.6	1995.8	2057.5	2112.8	2138.3	2166.0	2191.5	2206.4	2214.9	2208.5	2214.9
162.5°	1959.6	2023.0	2081.3	2131.5	2153.6	2177.9	2208.5	2221.7	2230.2	2222.1	2230.2
165°	2008.5	2059.6	2110.7	2153.2	2172.4	2191.5	2223.4	2238.3	2244.7	2236.2	2244.7
167.5°	2045.6	2084.7	2126.0	2162.6	2176.6	2195.3	2227.3	2239.6	2247.7	2237.0	2247.7
170°	2066.0	2100.0	2136.2	2166.0	2176.6	2193.6	2225.6	2236.2	2242.6	2231.9	2242.6
172.5°	2083.0	2108.5	2137.9	2164.3	2169.8	2183.4	2213.6	2224.3	2229.0	2220.0	2229.0
175°	2100.0	2114.9	2136.2	2153.2	2151.1	2159.6	2185.1	2193.6	2202.1	2189.4	2202.1
177.5°	2108.1	2114.9	2121.7	2131.9	2125.1	2125.1	2143.9	2149.0	2150.7	2143.9	2150.7
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4
2.5°	2955.7	2948.0	2936.9	2936.7	2947.2	2956.0	2959.6	2963.1	2959.6	2956.0	2947.2
5°	2966.3	2953.6	2936.0	2933.1	2945.1	2955.1	2959.5	2963.9	2959.5	2955.1	2945.1
7.5°	2965.2	2955.9	2942.6	2940.5	2949.7	2957.0	2958.9	2960.8	2958.9	2957.0	2949.7
10°	2962.0	2952.1	2938.3	2938.0	2951.2	2960.9	2960.3	2959.7	2960.3	2960.9	2951.2
12.5°	2950.1	2943.1	2932.3	2936.5	2955.7	2968.9	2963.7	2958.6	2963.7	2968.9	2955.7
15°	2911.5	2913.0	2913.0	2926.5	2953.6	2971.3	2961.3	2951.2	2961.3	2971.3	2953.6
17.5°	2841.9	2851.0	2860.7	2883.6	2919.6	2943.7	2931.8	2919.8	2931.8	2943.7	2919.6
20°	2780.8	2793.4	2809.1	2838.0	2880.1	2908.6	2896.7	2884.8	2896.7	2908.6	2880.1
22.5°	2717.0	2731.2	2748.4	2779.5	2824.7	2855.2	2842.3	2829.4	2842.3	2855.2	2824.7
25°	2614.5	2625.6	2638.2	2667.4	2713.3	2745.2	2735.1	2725.1	2735.1	2745.2	2713.3
27.5°	2467.1	2480.3	2494.6	2523.2	2566.2	2597.0	2591.5	2586.0	2591.5	2597.0	2566.2
30°	2353.8	2371.7	2390.5	2416.9	2450.9	2475.7	2473.2	2470.6	2473.2	2475.7	2450.9
32.5°	2229.0	2245.4	2263.3	2287.1	2317.1	2338.8	2336.3	2333.8	2336.3	2338.8	2317.1
35°	2008.1	2026.8	2047.6	2067.0	2085.3	2099.2	2100.5	2101.7	2100.5	2099.2	2085.3
37.5°	1743.0	1758.4	1774.7	1790.1	1804.5	1814.9	1813.2	1811.4	1813.2	1814.9	1804.5
40°	1532.8	1551.5	1575.3	1593.2	1605.2	1613.8	1612.5	1611.3	1612.5	1613.8	1605.2
42.5°	1327.5	1344.9	1363.2	1380.7	1397.1	1404.7	1385.9	1367.1	1385.9	1404.7	1397.1
45°	994.1	1025.7	1047.7	1058.6	1058.6	1044.4	987.2	930.0	987.2	1044.4	1058.6
47.5°	585.8	653.1	718.4	733.4	698.1	655.4	590.3	525.2	590.3	655.4	698.1
50°	351.5	425.4	515.9	531.9	473.5	418.7	374.7	330.7	374.7	418.7	473.5
52.5°	248.1	308.6	385.0	392.5	331.0	279.4	257.0	234.6	257.0	279.4	331.0
55°	154.2	181.4	215.9	217.8	187.0	161.9	153.7	145.6	153.7	161.9	187.0
57.5°	103.5	114.5	126.5	126.5	114.5	103.3	94.9	86.5	94.9	103.3	114.5
60°	67.5	78.7	91.2	92.5	82.4	73.2	66.3	59.4	66.3	73.2	82.4
62.5°	54.0	62.1	72.1	72.9	64.4	57.2	54.3	51.4	54.3	57.2	64.4
65°	44.9	46.2	47.4	47.7	47.1	46.5	45.9	45.2	45.9	46.5	47.1
67.5°	39.6	40.0	40.1	40.4	40.9	41.1	40.5	39.9	40.5	41.1	40.9
70°	35.2	35.8	36.4	36.7	36.7	36.6	36.0	35.3	36.0	36.6	36.7
72.5°	31.7	32.0	32.2	32.5	33.0	33.2	32.6	31.9	32.6	33.2	33.0
75°	25.3	25.9	26.5	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
77.5°	20.2	20.4	20.4	20.7	21.3	21.6	21.0	20.4	21.0	21.6	21.3
80°	16.8	17.0	17.0	17.3	17.9	18.2	17.6	17.0	17.6	18.2	17.9
82.5°	13.4	13.6	13.6	13.6	13.8	13.8	13.7	13.6	13.7	13.8	13.8
85°	7.1	7.1	7.1	7.4	8.0	8.5	8.5	8.5	8.5	8.5	8.0
87.5°	11.2	10.8	10.8	10.6	9.8	8.4	5.7	3.5	5.7	7.9	10.7
90°	44.7	42.6	42.6	40.4	34.0	25.5	14.9	6.4	14.9	23.4	38.3
92.5°	53.2	52.8	49.4	45.5	37.4	37.4	37.0	23.4	40.4	57.4	82.6
95°	48.9	48.9	57.4	72.3	106.4	108.5	72.3	66.0	93.6	131.9	166.0
97.5°	132.3	157.4	193.2	200.0	189.4	141.3	135.3	126.0	171.5	209.4	264.3
100°	244.7	276.6	302.1	251.1	197.9	195.7	183.0	178.7	227.7	263.8	317.0
102.5°	382.6	392.3	303.8	274.9	262.6	253.6	234.0	231.5	280.4	330.2	374.9
105°	414.9	372.3	374.5	374.5	366.0	348.9	312.8	310.6	366.0	423.4	478.7
107.5°	488.1	494.5	505.5	503.0	493.2	447.7	405.1	395.3	445.1	514.0	574.9
110°	585.1	591.5	595.8	591.5	576.6	519.2	468.1	453.2	497.9	570.2	636.2



TEST NUMBER: P1428571

CATALOG NUMBER: SQ2W-WBM-K-150U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	678.7	683.4	692.8	680.0	654.9	588.9	531.1	509.4	554.0	628.1	695.8
115°	827.7	827.7	829.8	823.4	772.3	704.3	627.7	595.8	634.0	702.1	776.6
117.5°	974.1	976.6	968.1	951.1	891.9	812.8	726.8	675.8	706.0	777.9	854.5
120°	1066.0	1070.2	1061.7	1036.2	978.7	889.4	791.5	731.9	755.3	825.5	902.1
122.5°	1161.3	1160.4	1150.2	1121.3	1053.6	960.9	864.7	791.5	801.3	866.4	941.3
125°	1293.6	1291.5	1283.0	1248.9	1178.7	1083.0	970.2	880.9	868.1	923.4	1000.0
127.5°	1419.6	1414.9	1401.7	1360.4	1288.5	1196.2	1072.4	971.1	942.6	977.5	1047.7
130°	1506.4	1500.0	1476.6	1431.9	1361.7	1274.5	1148.9	1034.1	993.6	1014.9	1076.6
132.5°	1589.8	1571.5	1551.5	1503.4	1438.3	1347.7	1220.4	1100.4	1044.7	1054.1	1102.1
135°	1695.8	1678.7	1653.2	1606.4	1544.7	1455.3	1327.7	1197.9	1121.3	1112.8	1140.4
137.5°	1789.0	1771.1	1742.1	1701.7	1639.6	1560.0	1437.5	1300.4	1203.8	1175.3	1186.0
140°	1846.8	1825.5	1800.0	1759.6	1704.3	1621.3	1502.1	1370.2	1261.7	1221.3	1214.9
142.5°	1894.5	1878.3	1851.1	1814.1	1765.5	1682.6	1566.8	1436.6	1321.3	1268.9	1254.1
145°	1966.0	1953.2	1923.4	1889.4	1849.0	1766.0	1659.6	1529.8	1414.9	1346.8	1314.9
147.5°	2026.4	2016.2	1992.8	1952.8	1918.7	1839.2	1742.1	1627.2	1509.4	1425.1	1383.8
150°	2063.8	2055.3	2031.9	1993.6	1959.6	1885.1	1791.5	1685.1	1572.4	1483.0	1429.8
152.5°	2099.6	2091.1	2064.3	2026.0	1997.0	1927.7	1842.6	1741.3	1626.8	1537.5	1482.6
155°	2146.8	2136.2	2110.7	2074.5	2049.0	1985.1	1906.4	1817.0	1719.2	1625.5	1563.8
157.5°	2184.3	2171.1	2147.3	2116.2	2089.0	2030.2	1961.7	1884.7	1799.2	1709.8	1646.8
160°	2206.4	2191.5	2166.0	2138.3	2112.8	2057.5	1995.8	1925.6	1846.8	1766.0	1697.9
162.5°	2221.7	2208.5	2177.9	2153.6	2131.5	2081.3	2023.0	1959.6	1889.4	1818.7	1755.8
165°	2238.3	2223.4	2191.5	2172.4	2153.2	2110.7	2059.6	2008.5	1949.0	1891.5	1840.4
167.5°	2239.6	2227.3	2195.3	2176.6	2162.6	2126.0	2084.7	2045.6	1999.2	1954.1	1911.5
170°	2236.2	2225.6	2193.6	2176.6	2166.0	2136.2	2100.0	2066.0	2029.8	1991.5	1957.5
172.5°	2224.3	2213.6	2183.4	2169.8	2164.3	2137.9	2108.5	2083.0	2051.9	2023.8	1996.6
175°	2193.6	2185.1	2159.6	2151.1	2153.2	2136.2	2114.9	2100.0	2080.9	2063.8	2049.0
177.5°	2149.0	2143.9	2125.1	2125.1	2131.9	2121.7	2114.9	2108.1	2099.6	2094.5	2089.4
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



TEST NUMBER: P1428571

CATALOG NUMBER: SQ2W-WBM-K-150U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4
2.5°	2936.7	2936.9	2948.0	2955.7	2953.1	2950.6	2953.1	2955.7	2948.0	2936.9	2936.7
5°	2933.1	2936.0	2953.6	2966.3	2964.4	2962.5	2964.4	2966.3	2953.6	2936.0	2933.1
7.5°	2940.5	2942.6	2955.9	2965.2	2962.3	2959.4	2962.3	2965.2	2955.9	2942.6	2940.5
10°	2938.0	2938.3	2952.1	2962.0	2960.2	2958.3	2960.2	2962.0	2952.1	2938.3	2938.0
12.5°	2936.5	2932.3	2943.1	2950.1	2945.7	2941.3	2945.7	2950.1	2943.1	2932.3	2936.5
15°	2926.5	2913.0	2913.0	2911.5	2905.2	2898.9	2905.2	2911.5	2913.0	2913.0	2926.5
17.5°	2883.6	2860.7	2851.0	2841.9	2834.2	2826.5	2834.2	2841.9	2851.0	2860.7	2883.6
20°	2838.0	2809.1	2793.4	2780.8	2777.7	2774.5	2777.7	2780.8	2793.4	2809.1	2838.0
22.5°	2779.5	2748.4	2731.2	2717.0	2711.8	2706.7	2711.8	2717.0	2731.2	2748.4	2779.5
25°	2667.4	2638.2	2625.6	2614.5	2607.6	2600.7	2607.6	2614.5	2625.6	2638.2	2667.4
27.5°	2523.2	2494.6	2480.3	2467.1	2457.6	2448.0	2457.6	2467.1	2480.3	2494.6	2523.2
30°	2416.9	2390.5	2371.7	2353.8	2338.7	2323.6	2338.7	2353.8	2371.7	2390.5	2416.9
32.5°	2287.1	2263.3	2245.4	2229.0	2217.0	2204.9	2217.0	2229.0	2245.4	2263.3	2287.1
35°	2067.0	2047.6	2026.8	2008.1	1995.6	1983.0	1995.6	2008.1	2026.8	2047.6	2067.0
37.5°	1790.1	1774.7	1758.4	1743.0	1730.3	1717.6	1730.3	1743.0	1758.4	1774.7	1790.1
40°	1593.2	1575.3	1551.5	1532.8	1529.6	1526.5	1529.6	1532.8	1551.5	1575.3	1593.2
42.5°	1380.7	1363.2	1344.9	1327.5	1312.8	1298.1	1312.8	1327.5	1344.9	1363.2	1380.7
45°	1058.6	1047.7	1025.7	994.1	933.8	873.5	933.8	994.1	1025.7	1047.7	1058.6
47.5°	733.4	718.4	653.1	585.8	512.5	439.3	512.5	585.8	653.1	718.4	733.4
50°	531.9	515.9	425.4	351.5	327.0	302.5	327.0	351.5	425.4	515.9	531.9
52.5°	392.5	385.0	308.6	248.1	235.1	222.2	235.1	248.1	308.6	385.0	392.5
55°	217.8	215.9	181.4	154.2	149.2	144.2	149.2	154.2	181.4	215.9	217.8
57.5°	126.5	126.5	114.5	103.5	95.5	87.6	95.5	103.5	114.5	126.5	126.5
60°	92.5	91.2	78.7	67.5	60.6	53.7	60.6	67.5	78.7	91.2	92.5
62.5°	72.9	72.1	62.1	54.0	51.6	49.2	51.6	54.0	62.1	72.1	72.9
65°	47.7	47.4	46.2	44.9	43.7	42.4	43.7	44.9	46.2	47.4	47.7
67.5°	40.4	40.1	40.0	39.6	38.4	37.3	38.4	39.6	40.0	40.1	40.4
70°	36.7	36.4	35.8	35.2	34.6	33.9	34.6	35.2	35.8	36.4	36.7
72.5°	32.5	32.2	32.0	31.7	30.5	29.4	30.5	31.7	32.0	32.2	32.5
75°	26.9	26.5	25.9	25.3	24.7	24.0	24.7	25.3	25.9	26.5	26.9
77.5°	20.7	20.4	20.4	20.2	19.6	18.9	19.6	20.2	20.4	20.4	20.7
80°	17.3	17.0	17.0	16.8	16.2	15.5	16.2	16.8	17.0	17.0	17.3
82.5°	13.6	13.6	13.6	13.4	12.8	12.2	12.8	13.4	13.6	13.6	13.6
85°	7.4	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.4
87.5°	12.3	15.0	18.0	19.7	21.4	20.6	21.4	19.7	18.0	15.0	12.3
90°	48.9	63.8	78.7	87.2	95.7	91.5	95.7	87.2	78.7	63.8	48.9
92.5°	98.3	123.4	141.7	157.0	163.8	163.0	163.8	157.0	141.7	123.4	98.3
95°	197.9	227.7	257.4	278.7	291.5	287.2	291.5	278.7	257.4	227.7	197.9
97.5°	305.1	345.1	378.3	398.3	411.1	419.6	411.1	398.3	378.3	345.1	305.1
100°	376.6	414.9	453.2	476.6	497.9	506.4	497.9	476.6	453.2	414.9	376.6
102.5°	434.5	484.7	526.4	551.5	569.4	577.9	569.4	551.5	526.4	484.7	434.5
105°	529.8	583.0	627.7	659.6	678.7	685.1	678.7	659.6	627.7	583.0	529.8
107.5°	625.1	680.0	721.3	756.6	780.0	793.6	780.0	756.6	721.3	680.0	625.1
110°	700.0	744.7	789.4	821.3	844.7	853.2	844.7	821.3	789.4	744.7	700.0



TEST NUMBER: P1428571

CATALOG NUMBER: SQ2W-WBM-K-150U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	763.0	812.8	857.5	889.4	916.2	928.1	916.2	889.4	857.5	812.8	763.0
115°	851.1	917.0	957.5	987.2	1006.4	1017.0	1006.4	987.2	957.5	917.0	851.1
117.5°	924.3	993.2	1037.5	1060.4	1069.4	1077.0	1069.4	1060.4	1037.5	993.2	924.3
120°	970.2	1034.1	1085.1	1114.9	1125.5	1129.8	1125.5	1114.9	1085.1	1034.1	970.2
122.5°	1012.8	1073.2	1122.6	1159.2	1176.6	1180.9	1176.6	1159.2	1122.6	1073.2	1012.8
125°	1072.4	1129.8	1180.9	1217.0	1236.2	1246.8	1236.2	1217.0	1180.9	1129.8	1072.4
127.5°	1124.3	1186.4	1233.2	1266.0	1284.7	1293.2	1284.7	1266.0	1233.2	1186.4	1124.3
130°	1153.2	1217.0	1263.8	1300.0	1317.0	1325.5	1317.0	1300.0	1263.8	1217.0	1153.2
132.5°	1175.3	1242.6	1291.1	1323.8	1342.6	1351.1	1342.6	1323.8	1291.1	1242.6	1175.3
135°	1202.1	1272.4	1323.4	1355.3	1372.4	1380.9	1372.4	1355.3	1323.4	1272.4	1202.1
137.5°	1225.5	1289.4	1342.6	1376.2	1391.5	1397.0	1391.5	1376.2	1342.6	1289.4	1225.5
140°	1242.6	1297.9	1351.1	1383.0	1400.0	1402.1	1400.0	1383.0	1351.1	1297.9	1242.6
142.5°	1264.7	1308.1	1354.5	1386.4	1403.4	1407.2	1403.4	1386.4	1354.5	1308.1	1264.7
145°	1304.3	1329.8	1361.7	1391.5	1406.4	1410.7	1406.4	1391.5	1361.7	1329.8	1304.3
147.5°	1354.1	1362.1	1378.7	1398.3	1412.8	1415.8	1412.8	1398.3	1378.7	1362.1	1354.1
150°	1391.5	1389.4	1395.8	1408.5	1421.3	1419.2	1421.3	1408.5	1395.8	1389.4	1391.5
152.5°	1434.1	1421.7	1421.3	1427.2	1433.2	1432.8	1433.2	1427.2	1421.3	1421.7	1434.1
155°	1506.4	1483.0	1470.2	1466.0	1466.0	1463.8	1466.0	1466.0	1470.2	1483.0	1506.4
157.5°	1586.0	1553.2	1534.1	1523.8	1520.9	1516.2	1520.9	1523.8	1534.1	1553.2	1586.0
160°	1640.4	1604.3	1585.1	1568.1	1561.7	1555.3	1561.7	1568.1	1585.1	1604.3	1640.4
162.5°	1691.5	1657.0	1636.2	1620.9	1614.5	1604.7	1614.5	1620.9	1636.2	1657.0	1691.5
165°	1774.5	1738.3	1714.9	1702.1	1693.6	1685.1	1693.6	1702.1	1714.9	1738.3	1774.5
167.5°	1857.5	1817.9	1802.6	1788.1	1780.0	1764.7	1780.0	1788.1	1802.6	1817.9	1857.5
170°	1908.5	1872.4	1863.8	1851.1	1836.2	1819.2	1836.2	1851.1	1863.8	1872.4	1908.5
172.5°	1952.8	1928.5	1920.0	1907.3	1902.6	1889.0	1902.6	1907.3	1920.0	1928.5	1952.8
175°	2017.0	1997.9	1997.9	1995.8	1989.4	1976.6	1989.4	1995.8	1997.9	1997.9	2017.0
177.5°	2070.7	2060.4	2067.3	2067.3	2065.6	2053.6	2065.6	2067.3	2067.3	2060.4	2070.7
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



TEST NUMBER: P1428571

CATALOG NUMBER: SQ2W-WBM-K-150U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2948.4	2948.4	2948.4	2948.4
2.5°	2947.2	2956.0	2959.6	2963.1
5°	2945.1	2955.1	2959.5	2963.9
7.5°	2949.7	2957.0	2958.9	2960.8
10°	2951.2	2960.9	2960.3	2959.7
12.5°	2955.7	2968.9	2963.7	2958.6
15°	2953.6	2971.3	2961.3	2951.2
17.5°	2919.6	2943.7	2931.8	2919.8
20°	2880.1	2908.6	2896.7	2884.8
22.5°	2824.7	2855.2	2842.3	2829.4
25°	2713.3	2745.2	2735.1	2725.1
27.5°	2566.2	2597.0	2591.5	2586.0
30°	2450.9	2475.7	2473.2	2470.6
32.5°	2317.1	2338.8	2336.3	2333.8
35°	2085.3	2099.2	2100.5	2101.7
37.5°	1804.5	1814.9	1813.2	1811.4
40°	1605.2	1613.8	1612.5	1611.3
42.5°	1397.1	1404.7	1385.9	1367.1
45°	1058.6	1044.4	987.2	930.0
47.5°	698.1	655.4	590.3	525.2
50°	473.5	418.7	374.7	330.7
52.5°	331.0	279.4	257.0	234.6
55°	187.0	161.9	153.7	145.6
57.5°	114.5	103.3	94.9	86.5
60°	82.4	73.2	66.3	59.4
62.5°	64.4	57.2	54.3	51.4
65°	47.1	46.5	45.9	45.2
67.5°	40.9	41.1	40.5	39.9
70°	36.7	36.6	36.0	35.3
72.5°	33.0	33.2	32.6	31.9
75°	26.9	26.9	26.9	26.9
77.5°	21.3	21.6	21.0	20.4
80°	17.9	18.2	17.6	17.0
82.5°	13.8	13.8	13.7	13.6
85°	8.0	8.5	8.5	8.5
87.5°	10.7	7.9	5.7	3.5
90°	38.3	23.4	14.9	6.4
92.5°	82.6	57.4	40.4	23.4
95°	166.0	131.9	93.6	66.0
97.5°	264.3	209.4	171.5	126.0
100°	317.0	263.8	227.7	178.7
102.5°	374.9	330.2	280.4	231.5
105°	478.7	423.4	366.0	310.6
107.5°	574.9	514.0	445.1	395.3
110°	636.2	570.2	497.9	453.2



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CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	695.8	628.1	554.0	509.4
115°	776.6	702.1	634.0	595.8
117.5°	854.5	777.9	706.0	675.8
120°	902.1	825.5	755.3	731.9
122.5°	941.3	866.4	801.3	791.5
125°	1000.0	923.4	868.1	880.9
127.5°	1047.7	977.5	942.6	971.1
130°	1076.6	1014.9	993.6	1034.1
132.5°	1102.1	1054.1	1044.7	1100.4
135°	1140.4	1112.8	1121.3	1197.9
137.5°	1186.0	1175.3	1203.8	1300.4
140°	1214.9	1221.3	1261.7	1370.2
142.5°	1254.1	1268.9	1321.3	1436.6
145°	1314.9	1346.8	1414.9	1529.8
147.5°	1383.8	1425.1	1509.4	1627.2
150°	1429.8	1483.0	1572.4	1685.1
152.5°	1482.6	1537.5	1626.8	1741.3
155°	1563.8	1625.5	1719.2	1817.0
157.5°	1646.8	1709.8	1799.2	1884.7
160°	1697.9	1766.0	1846.8	1925.6
162.5°	1755.8	1818.7	1889.4	1959.6
165°	1840.4	1891.5	1949.0	2008.5
167.5°	1911.5	1954.1	1999.2	2045.6
170°	1957.5	1991.5	2029.8	2066.0
172.5°	1996.6	2023.8	2051.9	2083.0
175°	2049.0	2063.8	2080.9	2100.0
177.5°	2089.4	2094.5	2099.6	2108.1
180°	2106.4	2106.4	2106.4	2106.4



TEST NUMBER: P1428571
 CATALOG NUMBER: SQ2W-WBM-K-150U-100D-L940-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	4.61	5.30	5.66	6.33	7.71	4.60	5.29	5.65	6.32	7.70
	3H	5.30	5.91	6.36	6.95	8.35	5.22	5.83	6.27	6.87	8.27
	4H	5.66	6.24	6.73	7.28	8.69	5.52	6.10	6.59	7.14	8.55
	6H	5.93	6.46	7.01	7.51	8.92	5.75	6.28	6.83	7.33	8.74
	8H	6.05	6.55	7.13	7.61	9.02	5.85	6.35	6.93	7.41	8.82
	12H	6.13	6.60	7.21	7.65	9.09	5.90	6.38	6.98	7.43	8.86
4H	2H	4.70	5.28	5.77	6.32	7.73	4.69	5.26	5.76	6.31	7.71
	3H	5.64	6.11	6.72	7.18	8.60	5.56	6.03	6.63	7.10	8.52
	4H	6.14	6.58	7.23	7.64	9.08	6.00	6.43	7.08	7.49	8.93
	6H	6.57	6.94	7.66	8.02	9.46	6.37	6.74	7.46	7.82	9.26
	8H	6.76	7.11	7.85	8.18	9.63	6.54	6.88	7.63	7.96	9.41
	12H	6.88	7.20	7.99	8.28	9.74	6.63	6.94	7.73	8.03	9.48
8H	4H	6.26	6.61	7.35	7.68	9.13	6.13	6.47	7.22	7.55	9.00
	6H	6.84	7.12	7.95	8.24	9.68	6.65	6.93	7.75	8.05	9.49
	8H	7.13	7.38	8.24	8.48	9.94	6.91	7.16	8.03	8.26	9.73
	12H	7.35	7.56	8.46	8.66	10.16	7.08	7.30	8.20	8.40	9.90
12H	4H	6.24	6.55	7.34	7.64	9.09	6.11	6.42	7.21	7.51	8.96
	6H	6.87	7.12	7.99	8.22	9.69	6.69	6.94	7.81	8.04	9.51
	8H	7.20	7.41	8.31	8.51	10.02	6.99	7.21	8.11	8.30	9.81