

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: P1428572

Luminaire Tested: SQ2W-WBM-K-150U-125D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428572
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-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 1500 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

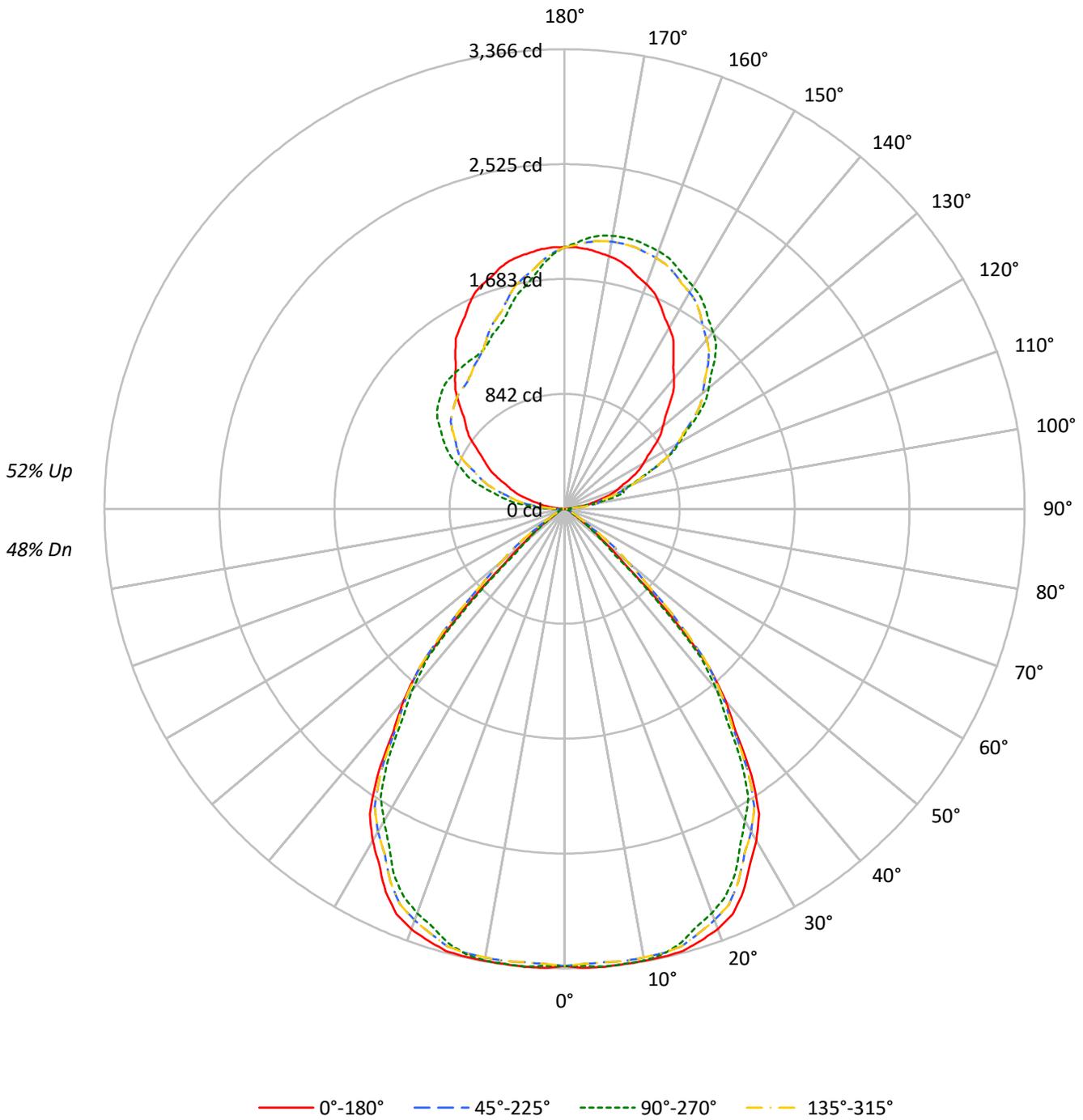
Lumens per Lamp: N/A
Luminaire Lumens: 10838.0 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 104.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	55	55	55	48
1	99	95	92	89	91	88	86	83	75	73	71	62	61	60	51	50	49	44
2	92	86	80	76	85	79	75	71	68	65	62	57	55	53	47	46	45	40
3	85	77	71	66	78	72	66	62	61	58	54	52	49	47	43	42	40	36
4	79	69	62	57	73	65	59	54	56	51	48	48	45	42	40	38	36	33
5	73	63	56	50	67	59	52	48	51	46	43	44	40	38	37	35	33	30
6	68	57	50	45	63	54	47	43	47	42	38	40	37	34	34	32	30	27
7	63	52	45	40	59	49	43	38	43	38	34	37	34	31	32	29	27	25
8	59	48	41	36	55	45	39	34	40	35	31	34	31	28	30	27	25	23
9	55	44	37	33	51	41	35	31	37	32	28	32	28	26	28	25	23	21
10	52	41	34	30	48	38	32	28	34	29	26	30	26	24	26	23	21	19

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	3.0
10°-20°	936.2	8.6
20°-30°	1384.2	12.8
30°-40°	1432.1	13.2
40°-50°	861.4	7.9
50°-60°	205.9	1.9
60°-70°	56.3	0.5
70°-80°	31.5	0.3
80°-90°	17.9	0.2
90°-100°	152.4	1.4
100°-110°	444.5	4.1
110°-120°	725.4	6.7
120°-130°	920.5	8.5
130°-140°	985.0	9.1
140°-150°	919.8	8.5
150°-160°	756.8	7.0
160°-170°	507.6	4.7
170°-180°	180.2	1.7
0°-30°	2640.5	24.4
0°-40°	4072.6	37.6
0°-60°	5140.0	47.4
0°-90°	5245.7	48.4
90°-120°	1322.4	12.2
90°-150°	4147.7	38.3
90°-180°	5592.0	51.6
0°-180°	10838.0	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°	6	43	6	83	6	5
95°	60	44	60	261	60	72
105°	282	453	282	623	282	300
115°	542	751	542	925	542	534
125°	801	1190	801	1134	801	717
135°	1089	1557	1089	1256	1089	842
145°	1391	1795	1391	1283	1391	870
155°	1652	1950	1652	1331	1652	759
165°	1826	2033	1826	1532	1826	514
175°	1910	1991	1910	1797	1910	181
180°	1915	1915	1915	1915	1915	



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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°	3.7	5.8	8.4	9.6	10.2	10.3	10.3	10.7	11.1	11.1	11.1
90°	5.8	13.5	23.2	31.0	36.8	38.7	38.7	40.6	42.6	42.6	42.6
92.5°	21.3	33.7	34.0	34.0	41.4	44.9	48.0	48.4	50.3	50.3	50.3
95°	60.0	65.8	98.7	96.7	65.8	52.2	44.5	44.5	44.5	44.5	44.5
97.5°	114.5	123.0	128.5	172.2	181.9	175.7	143.2	120.3	107.6	101.8	107.6
100°	162.5	166.4	178.0	179.9	228.3	274.7	251.5	222.5	212.8	207.0	212.8
102.5°	210.5	212.8	230.6	238.7	250.0	276.3	356.7	347.8	341.3	340.1	341.3
105°	282.5	284.4	317.3	332.8	340.5	340.5	338.6	377.3	439.2	452.7	439.2
107.5°	359.5	368.4	407.0	448.4	457.3	459.7	449.6	443.8	441.5	443.0	441.5
110°	412.1	425.6	472.1	524.3	537.8	541.7	537.8	532.0	528.2	528.2	528.2



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CATALOG NUMBER: SQ2W-WBM-K-150U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	463.2	482.9	535.5	595.5	618.3	629.9	621.4	617.2	613.3	616.4	613.3
115°	541.7	570.7	640.4	702.3	748.7	754.5	752.6	752.6	750.6	750.6	750.6
117.5°	614.4	660.9	739.0	811.0	864.8	880.3	888.0	885.7	883.4	887.2	883.4
120°	665.5	719.7	808.7	889.9	942.2	965.4	973.1	969.3	973.1	969.3	973.1
122.5°	719.7	786.2	873.7	958.0	1019.6	1045.9	1055.2	1055.9	1056.7	1054.4	1056.7
125°	800.9	882.2	984.7	1071.8	1135.6	1166.6	1174.3	1176.3	1180.1	1189.8	1180.1
127.5°	883.0	975.1	1087.7	1171.6	1237.0	1274.5	1286.5	1290.8	1298.9	1303.2	1298.9
130°	940.2	1044.7	1158.8	1238.2	1302.0	1342.6	1363.9	1369.7	1379.4	1377.5	1379.4
132.5°	1000.6	1109.7	1225.4	1307.8	1367.0	1410.7	1428.9	1445.6	1449.0	1451.8	1449.0
135°	1089.2	1207.2	1323.3	1404.5	1460.7	1503.2	1526.4	1541.9	1551.6	1557.4	1551.6
137.5°	1182.5	1307.0	1418.5	1490.8	1547.3	1584.1	1610.4	1626.6	1636.7	1641.3	1636.7
140°	1245.9	1365.9	1474.2	1549.6	1599.9	1636.7	1659.9	1679.3	1690.9	1690.9	1690.9
142.5°	1306.3	1424.7	1529.9	1605.4	1649.5	1683.1	1707.9	1722.6	1735.8	1735.8	1735.8
145°	1391.0	1509.0	1605.8	1681.2	1718.0	1748.9	1776.0	1787.6	1795.3	1795.3	1795.3
147.5°	1479.6	1584.1	1672.3	1744.7	1775.6	1812.0	1833.3	1842.6	1852.2	1848.0	1852.2
150°	1532.2	1629.0	1714.1	1781.8	1812.8	1847.6	1868.9	1876.6	1886.3	1880.5	1886.3
152.5°	1583.3	1675.4	1752.8	1815.9	1842.2	1877.0	1901.4	1909.1	1915.7	1911.4	1915.7
155°	1652.2	1733.4	1805.0	1863.1	1886.3	1919.2	1942.4	1952.1	1959.8	1950.1	1959.8
157.5°	1713.7	1783.7	1846.0	1899.4	1924.2	1952.4	1974.1	1986.1	1993.8	1989.6	1993.8
160°	1750.8	1814.7	1870.8	1921.1	1944.3	1969.5	1992.7	2006.2	2014.0	2008.2	2014.0
162.5°	1781.8	1839.5	1892.5	1938.1	1958.2	1980.3	2008.2	2020.2	2027.9	2020.5	2027.9
165°	1826.3	1872.7	1919.2	1957.9	1975.3	1992.7	2021.7	2035.2	2041.0	2033.3	2041.0
167.5°	1860.0	1895.6	1933.1	1966.4	1979.1	1996.2	2025.2	2036.4	2043.8	2034.1	2043.8
170°	1878.5	1909.5	1942.4	1969.5	1979.1	1994.6	2023.6	2033.3	2039.1	2029.4	2039.1
172.5°	1894.0	1917.2	1943.9	1967.9	1972.9	1985.3	2012.8	2022.5	2026.7	2018.6	2026.7
175°	1909.5	1923.0	1942.4	1957.9	1955.9	1963.7	1986.9	1994.6	2002.4	1990.7	2002.4
177.5°	1916.8	1923.0	1929.2	1938.5	1932.3	1932.3	1949.3	1954.0	1955.5	1949.3	1955.5
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



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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°	10.7	10.3	10.3	10.2	9.6	8.4	5.8	3.7	5.8	8.0	10.4
90°	40.6	38.7	38.7	36.8	31.0	23.2	13.5	5.8	13.5	21.3	34.8
92.5°	48.4	48.0	44.9	41.4	34.0	34.0	33.7	21.3	36.8	52.2	75.1
95°	44.5	44.5	52.2	65.8	96.7	98.7	65.8	60.0	85.1	119.9	150.9
97.5°	120.3	143.2	175.7	181.9	172.2	128.5	123.0	114.5	155.9	190.4	240.3
100°	222.5	251.5	274.7	228.3	179.9	178.0	166.4	162.5	207.0	239.9	288.3
102.5°	347.8	356.7	276.3	250.0	238.7	230.6	212.8	210.5	255.0	300.3	340.9
105°	377.3	338.6	340.5	340.5	332.8	317.3	284.4	282.5	332.8	385.0	435.3
107.5°	443.8	449.6	459.7	457.3	448.4	407.0	368.4	359.5	404.7	467.4	522.7
110°	532.0	537.8	541.7	537.8	524.3	472.1	425.6	412.1	452.7	518.5	578.5



TEST NUMBER: P1428572

CATALOG NUMBER: SQ2W-WBM-K-150U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	617.2	621.4	629.9	618.3	595.5	535.5	482.9	463.2	503.8	571.1	632.6
115°	752.6	752.6	754.5	748.7	702.3	640.4	570.7	541.7	576.5	638.4	706.1
117.5°	885.7	888.0	880.3	864.8	811.0	739.0	660.9	614.4	641.9	707.3	777.0
120°	969.3	973.1	965.4	942.2	889.9	808.7	719.7	665.5	686.8	750.6	820.3
122.5°	1055.9	1055.2	1045.9	1019.6	958.0	873.7	786.2	719.7	728.6	787.8	855.9
125°	1176.3	1174.3	1166.6	1135.6	1071.8	984.7	882.2	800.9	789.3	839.6	909.3
127.5°	1290.8	1286.5	1274.5	1237.0	1171.6	1087.7	975.1	883.0	857.0	888.8	952.6
130°	1369.7	1363.9	1342.6	1302.0	1238.2	1158.8	1044.7	940.2	903.5	922.8	978.9
132.5°	1445.6	1428.9	1410.7	1367.0	1307.8	1225.4	1109.7	1000.6	949.9	958.4	1002.1
135°	1541.9	1526.4	1503.2	1460.7	1404.5	1323.3	1207.2	1089.2	1019.6	1011.8	1037.0
137.5°	1626.6	1610.4	1584.1	1547.3	1490.8	1418.5	1307.0	1182.5	1094.6	1068.7	1078.4
140°	1679.3	1659.9	1636.7	1599.9	1549.6	1474.2	1365.9	1245.9	1147.2	1110.5	1104.7
142.5°	1722.6	1707.9	1683.1	1649.5	1605.4	1529.9	1424.7	1306.3	1201.4	1153.8	1140.3
145°	1787.6	1776.0	1748.9	1718.0	1681.2	1605.8	1509.0	1391.0	1286.5	1224.6	1195.6
147.5°	1842.6	1833.3	1812.0	1775.6	1744.7	1672.3	1584.1	1479.6	1372.4	1295.8	1258.3
150°	1876.6	1868.9	1847.6	1812.8	1781.8	1714.1	1629.0	1532.2	1429.7	1348.4	1300.1
152.5°	1909.1	1901.4	1877.0	1842.2	1815.9	1752.8	1675.4	1583.3	1479.2	1398.0	1348.1
155°	1952.1	1942.4	1919.2	1886.3	1863.1	1805.0	1733.4	1652.2	1563.2	1478.1	1422.0
157.5°	1986.1	1974.1	1952.4	1924.2	1899.4	1846.0	1783.7	1713.7	1635.9	1554.7	1497.4
160°	2006.2	1992.7	1969.5	1944.3	1921.1	1870.8	1814.7	1750.8	1679.3	1605.8	1543.8
162.5°	2020.2	2008.2	1980.3	1958.2	1938.1	1892.5	1839.5	1781.8	1718.0	1653.7	1596.5
165°	2035.2	2021.7	1992.7	1975.3	1957.9	1919.2	1872.7	1826.3	1772.1	1719.9	1673.5
167.5°	2036.4	2025.2	1996.2	1979.1	1966.4	1933.1	1895.6	1860.0	1817.8	1776.8	1738.1
170°	2033.3	2023.6	1994.6	1979.1	1969.5	1942.4	1909.5	1878.5	1845.6	1810.8	1779.9
172.5°	2022.5	2012.8	1985.3	1972.9	1967.9	1943.9	1917.2	1894.0	1865.8	1840.2	1815.5
175°	1994.6	1986.9	1963.7	1955.9	1957.9	1942.4	1923.0	1909.5	1892.1	1876.6	1863.1
177.5°	1954.0	1949.3	1932.3	1932.3	1938.5	1929.2	1923.0	1916.8	1909.1	1904.5	1899.8
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1428572

CATALOG NUMBER: SQ2W-WBM-K-150U-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°	11.8	14.2	16.9	18.4	20.0	19.2	20.0	18.4	16.9	14.2	11.8
90°	44.5	58.0	71.6	79.3	87.1	83.2	87.1	79.3	71.6	58.0	44.5
92.5°	89.4	112.2	128.8	142.8	149.0	148.2	149.0	128.8	112.2	89.4	89.4
95°	179.9	207.0	234.1	253.4	265.0	261.2	265.0	234.1	207.0	179.9	179.9
97.5°	277.4	313.8	344.0	362.2	373.8	381.5	373.8	344.0	313.8	277.4	277.4
100°	342.4	377.3	412.1	433.4	452.7	460.4	452.7	412.1	377.3	342.4	342.4
102.5°	395.1	440.7	478.6	501.5	517.7	525.4	517.7	478.6	440.7	395.1	395.1
105°	481.7	530.1	570.7	599.7	617.2	623.0	617.2	570.7	530.1	481.7	481.7
107.5°	568.4	618.3	655.8	688.0	709.2	721.6	709.2	655.8	618.3	568.4	568.4
110°	636.5	677.1	717.8	746.8	768.1	775.8	768.1	717.8	677.1	636.5	636.5



TEST NUMBER: P1428572

CATALOG NUMBER: SQ2W-WBM-K-150U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	693.8	739.0	779.7	808.7	833.1	843.9	833.1	808.7	779.7	739.0	693.8
115°	773.9	833.8	870.6	897.7	915.1	924.8	915.1	897.7	870.6	833.8	773.9
117.5°	840.4	903.1	943.3	964.2	972.4	979.3	972.4	964.2	943.3	903.1	840.4
120°	882.2	940.2	986.7	1013.8	1023.4	1027.3	1023.4	1013.8	986.7	940.2	882.2
122.5°	920.9	975.8	1020.7	1054.0	1069.9	1073.7	1069.9	1054.0	1020.7	975.8	920.9
125°	975.1	1027.3	1073.7	1106.6	1124.0	1133.7	1124.0	1106.6	1073.7	1027.3	975.1
127.5°	1022.3	1078.8	1121.3	1151.1	1168.1	1175.9	1168.1	1151.1	1121.3	1078.8	1022.3
130°	1048.6	1106.6	1149.2	1182.1	1197.5	1205.3	1197.5	1182.1	1149.2	1106.6	1048.6
132.5°	1068.7	1129.8	1173.9	1203.7	1220.8	1228.5	1220.8	1203.7	1173.9	1129.8	1068.7
135°	1093.1	1156.9	1203.3	1232.4	1247.8	1255.6	1247.8	1232.4	1203.3	1156.9	1093.1
137.5°	1114.4	1172.4	1220.8	1251.3	1265.3	1270.3	1265.3	1251.3	1220.8	1172.4	1114.4
140°	1129.8	1180.1	1228.5	1257.5	1273.0	1274.9	1273.0	1257.5	1228.5	1180.1	1129.8
142.5°	1150.0	1189.4	1231.6	1260.6	1276.1	1279.6	1276.1	1260.6	1231.6	1189.4	1150.0
145°	1185.9	1209.2	1238.2	1265.3	1278.8	1282.7	1278.8	1265.3	1238.2	1209.2	1185.9
147.5°	1231.2	1238.6	1253.6	1271.4	1284.6	1287.3	1284.6	1271.4	1253.6	1238.6	1231.2
150°	1265.3	1263.3	1269.1	1280.7	1292.3	1290.4	1292.3	1280.7	1269.1	1263.3	1265.3
152.5°	1303.9	1292.7	1292.3	1297.8	1303.2	1302.8	1303.2	1297.8	1292.3	1292.7	1303.9
155°	1369.7	1348.4	1336.8	1333.0	1333.0	1331.0	1333.0	1333.0	1336.8	1348.4	1369.7
157.5°	1442.1	1412.3	1394.9	1385.6	1382.9	1378.6	1382.9	1385.6	1394.9	1412.3	1442.1
160°	1491.6	1458.7	1441.3	1425.8	1420.0	1414.2	1420.0	1425.8	1441.3	1458.7	1491.6
162.5°	1538.0	1506.7	1487.7	1473.8	1468.0	1459.1	1468.0	1473.8	1487.7	1506.7	1538.0
165°	1613.5	1580.6	1559.3	1547.7	1540.0	1532.2	1540.0	1547.7	1559.3	1580.6	1613.5
167.5°	1688.9	1653.0	1639.0	1625.9	1618.5	1604.6	1618.5	1625.9	1639.0	1653.0	1688.9
170°	1735.4	1702.5	1694.7	1683.1	1669.6	1654.1	1669.6	1683.1	1694.7	1702.5	1735.4
172.5°	1775.6	1753.6	1745.8	1734.2	1730.0	1717.6	1730.0	1734.2	1745.8	1753.6	1775.6
175°	1834.0	1816.6	1816.6	1814.7	1808.9	1797.3	1808.9	1814.7	1816.6	1816.6	1834.0
177.5°	1882.8	1873.5	1879.7	1879.7	1878.1	1867.3	1878.1	1879.7	1879.7	1873.5	1882.8
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1428572

CATALOG NUMBER: SQ2W-WBM-K-150U-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°	10.4	8.0	5.8	3.7
90°	34.8	21.3	13.5	5.8
92.5°	75.1	52.2	36.8	21.3
95°	150.9	119.9	85.1	60.0
97.5°	240.3	190.4	155.9	114.5
100°	288.3	239.9	207.0	162.5
102.5°	340.9	300.3	255.0	210.5
105°	435.3	385.0	332.8	282.5
107.5°	522.7	467.4	404.7	359.5
110°	578.5	518.5	452.7	412.1



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CATALOG NUMBER: SQ2W-WBM-K-150U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	632.6	571.1	503.8	463.2
115°	706.1	638.4	576.5	541.7
117.5°	777.0	707.3	641.9	614.4
120°	820.3	750.6	686.8	665.5
122.5°	855.9	787.8	728.6	719.7
125°	909.3	839.6	789.3	800.9
127.5°	952.6	888.8	857.0	883.0
130°	978.9	922.8	903.5	940.2
132.5°	1002.1	958.4	949.9	1000.6
135°	1037.0	1011.8	1019.6	1089.2
137.5°	1078.4	1068.7	1094.6	1182.5
140°	1104.7	1110.5	1147.2	1245.9
142.5°	1140.3	1153.8	1201.4	1306.3
145°	1195.6	1224.6	1286.5	1391.0
147.5°	1258.3	1295.8	1372.4	1479.6
150°	1300.1	1348.4	1429.7	1532.2
152.5°	1348.1	1398.0	1479.2	1583.3
155°	1422.0	1478.1	1563.2	1652.2
157.5°	1497.4	1554.7	1635.9	1713.7
160°	1543.8	1605.8	1679.3	1750.8
162.5°	1596.5	1653.7	1718.0	1781.8
165°	1673.5	1719.9	1772.1	1826.3
167.5°	1738.1	1776.8	1817.8	1860.0
170°	1779.9	1810.8	1845.6	1878.5
172.5°	1815.5	1840.2	1865.8	1894.0
175°	1863.1	1876.6	1892.1	1909.5
177.5°	1899.8	1904.5	1909.1	1916.8
180°	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1428572
 CATALOG NUMBER: SQ2W-WBM-K-150U-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	5.63	6.34	6.63	7.33	8.64	5.61	6.32	6.61	7.31	8.62
	3H	6.32	6.95	7.33	7.95	9.28	6.23	6.86	7.25	7.86	9.19
	4H	6.68	7.27	7.70	8.28	9.61	6.54	7.13	7.56	8.13	9.47
	6H	6.95	7.49	7.98	8.50	9.85	6.77	7.31	7.80	8.32	9.67
	8H	7.07	7.58	8.10	8.61	9.95	6.86	7.38	7.90	8.40	9.75
	12H	7.14	7.63	8.18	8.65	10.01	6.91	7.41	7.96	8.42	9.79
4H	2H	5.72	6.31	6.75	7.32	8.65	5.70	6.30	6.73	7.30	8.64
	3H	6.66	7.15	7.69	8.18	9.53	6.57	7.06	7.61	8.10	9.44
	4H	7.16	7.61	8.20	8.63	10.01	7.01	7.46	8.06	8.49	9.86
	6H	7.59	7.97	8.64	9.02	10.39	7.39	7.77	8.44	8.82	10.19
	8H	7.78	8.13	8.83	9.17	10.55	7.55	7.91	8.60	8.95	10.33
	12H	7.90	8.22	8.97	9.28	10.66	7.64	7.96	8.71	9.02	10.40
8H	4H	7.28	7.63	8.33	8.67	10.05	7.14	7.50	8.19	8.54	9.92
	6H	7.85	8.14	8.93	9.23	10.61	7.66	7.95	8.73	9.04	10.41
	8H	8.14	8.40	9.23	9.47	10.87	7.93	8.18	9.01	9.25	10.65
	12H	8.36	8.59	9.44	9.65	11.09	8.10	8.32	9.18	9.38	10.82
12H	4H	7.26	7.58	8.32	8.63	10.01	7.13	7.45	8.19	8.50	9.89
	6H	7.89	8.15	8.97	9.21	10.61	7.71	7.96	8.79	9.03	10.43
	8H	8.21	8.44	9.29	9.50	10.94	8.01	8.23	9.09	9.29	10.73