

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: P1428573

Luminaire Tested: SQ2W-WBM-K-150U-125D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428573
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-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 1500 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

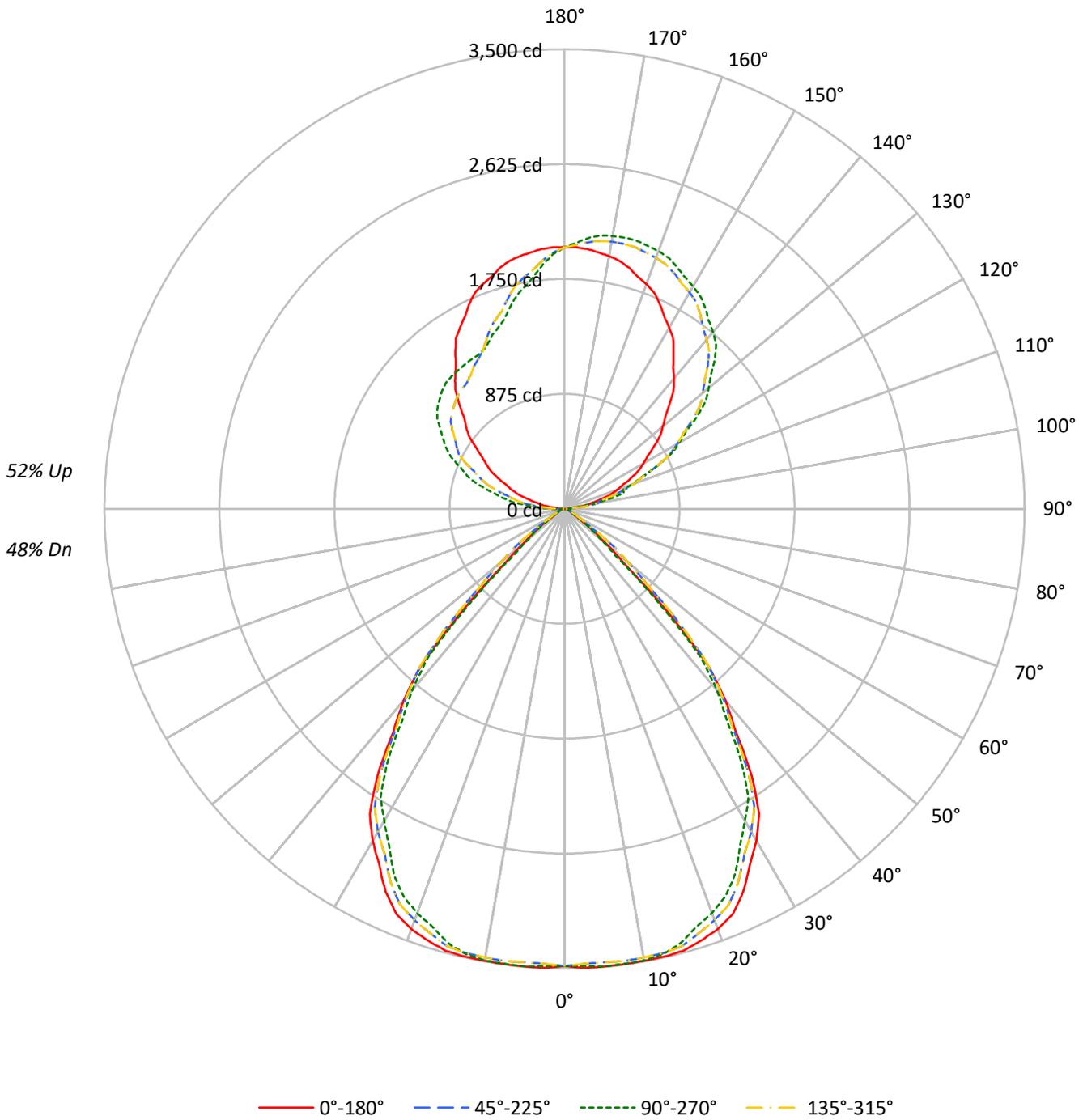
Lumens per Lamp: N/A
Luminaire Lumens: 11268.5 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 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

TEST NUMBER: P1428573

CATALOG NUMBER: SQ2W-WBM-K-150U-125D-L935-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1428573

CATALOG NUMBER: SQ2W-WBM-K-150U-125D-L935-UNV-STD-W-WM-4

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	107	107	107	107	98	98	98	98	82	82	82	68	68	68	55	55	55	48				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°	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



TEST NUMBER: P1428573

CATALOG NUMBER: SQ2W-WBM-K-150U-125D-L935-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.9	3.0
10°-20°	973.3	8.6
20°-30°	1439.1	12.8
30°-40°	1489.0	13.2
40°-50°	895.6	7.9
50°-60°	214.1	1.9
60°-70°	58.6	0.5
70°-80°	32.7	0.3
80°-90°	18.6	0.2
90°-100°	158.5	1.4
100°-110°	462.2	4.1
110°-120°	754.2	6.7
120°-130°	957.1	8.5
130°-140°	1024.1	9.1
140°-150°	956.3	8.5
150°-160°	786.9	7.0
160°-170°	527.7	4.7
170°-180°	187.4	1.7
0°-30°	2745.4	24.4
0°-40°	4234.4	37.6
0°-60°	5344.2	47.4
0°-90°	5454.0	48.4
90°-120°	1374.9	12.2
90°-150°	4312.4	38.3
90°-180°	5814.0	51.6
0°-180°	11268.5	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°	6	44	6	86	6	5
95°	62	46	62	272	62	75
105°	294	471	294	648	294	312
115°	563	780	563	962	563	555
125°	833	1237	833	1179	833	745
135°	1132	1619	1132	1306	1132	875
145°	1446	1867	1446	1334	1446	905
155°	1718	2028	1718	1384	1718	790
165°	1899	2114	1899	1593	1899	535
175°	1985	2070	1985	1869	1985	188
180°	1991	1991	1991	1991	1991	



TEST NUMBER: P1428573

CATALOG NUMBER: SQ2W-WBM-K-150U-125D-L935-UNV-STD-W-WM-4

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°	3.9	6.1	8.7	10.0	10.6	10.7	10.7	11.1	11.5	11.5	11.5
90°	6.0	14.1	24.1	32.2	38.2	40.2	40.2	42.2	44.3	44.3	44.3
92.5°	22.1	35.0	35.4	35.4	43.0	46.7	49.9	50.3	52.3	52.3	52.3
95°	62.4	68.4	102.6	100.6	68.4	54.3	46.3	46.3	46.3	46.3	46.3
97.5°	119.1	127.9	133.6	179.0	189.1	182.6	148.8	125.1	111.8	105.8	111.8
100°	169.0	173.0	185.1	187.1	237.4	285.6	261.5	231.3	221.3	215.2	221.3
102.5°	218.8	221.3	239.8	248.2	259.9	287.2	370.9	361.7	354.8	353.6	354.8
105°	293.7	295.7	329.9	346.0	354.0	354.0	352.0	392.2	456.6	470.7	456.6
107.5°	373.7	383.0	423.2	466.3	475.5	477.9	467.5	461.4	459.0	460.6	459.0
110°	428.4	442.5	490.8	545.1	559.2	563.2	559.2	553.2	549.1	549.1	549.1



TEST NUMBER: P1428573

CATALOG NUMBER: SQ2W-WBM-K-150U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	481.5	502.1	556.8	619.1	642.9	654.9	646.1	641.7	637.6	640.9	637.6
115°	563.2	593.4	665.8	730.2	778.4	784.5	782.5	782.5	780.5	780.5	780.5
117.5°	638.8	687.1	768.4	843.2	899.1	915.2	923.3	920.9	918.4	922.5	918.4
120°	692.0	748.3	840.8	925.3	979.6	1003.7	1011.8	1007.8	1011.8	1007.8	1011.8
122.5°	748.3	817.5	908.4	996.1	1060.1	1087.4	1097.1	1097.9	1098.7	1096.3	1098.7
125°	832.8	917.2	1023.8	1114.4	1180.7	1212.9	1221.0	1223.0	1227.0	1237.1	1227.0
127.5°	918.0	1013.8	1130.9	1218.2	1286.1	1325.2	1337.6	1342.1	1350.5	1354.9	1350.5
130°	977.6	1086.2	1204.9	1287.3	1353.7	1396.0	1418.1	1424.1	1434.2	1432.2	1434.2
132.5°	1040.3	1153.8	1274.1	1359.8	1421.3	1466.8	1485.7	1503.0	1506.6	1509.4	1506.6
135°	1132.5	1255.2	1375.9	1460.3	1518.7	1562.9	1587.1	1603.2	1613.2	1619.2	1613.2
137.5°	1229.4	1359.0	1474.8	1550.0	1608.8	1647.0	1674.4	1691.3	1701.7	1706.5	1701.7
140°	1295.4	1420.1	1532.8	1611.2	1663.5	1701.7	1725.9	1746.0	1758.0	1758.0	1758.0
142.5°	1358.2	1481.3	1590.7	1669.1	1715.0	1750.0	1775.7	1791.0	1804.7	1804.7	1804.7
145°	1446.3	1569.0	1669.5	1748.0	1786.2	1818.4	1846.5	1858.6	1866.7	1866.7	1866.7
147.5°	1538.4	1647.0	1738.7	1814.0	1846.1	1884.0	1906.1	1915.7	1925.8	1921.4	1925.8
150°	1593.1	1693.7	1782.2	1852.6	1884.8	1921.0	1943.1	1951.1	1961.2	1955.2	1961.2
152.5°	1646.2	1741.9	1822.4	1888.0	1915.3	1951.5	1976.9	1984.9	1991.8	1987.3	1991.8
155°	1717.8	1802.3	1876.7	1937.1	1961.2	1995.4	2019.5	2029.6	2037.6	2027.6	2037.6
157.5°	1781.8	1854.6	1919.4	1974.9	2000.6	2030.0	2052.5	2065.0	2073.0	2068.6	2073.0
160°	1820.4	1886.8	1945.1	1997.4	2021.5	2047.7	2071.8	2085.9	2094.0	2087.9	2094.0
162.5°	1852.6	1912.5	1967.6	2015.1	2036.0	2059.0	2087.9	2100.4	2108.4	2100.8	2108.4
165°	1898.8	1947.1	1995.4	2035.6	2053.7	2071.8	2102.0	2116.1	2122.1	2114.1	2122.1
167.5°	1933.8	1970.9	2009.9	2044.5	2057.7	2075.4	2105.6	2117.3	2124.9	2114.9	2124.9
170°	1953.2	1985.3	2019.5	2047.7	2057.7	2073.8	2104.0	2114.1	2120.1	2110.0	2120.1
172.5°	1969.2	1993.4	2021.1	2046.1	2051.3	2064.2	2092.7	2102.8	2107.2	2098.8	2107.2
175°	1985.3	1999.4	2019.5	2035.6	2033.6	2041.7	2065.8	2073.8	2081.9	2069.8	2081.9
177.5°	1993.0	1999.4	2005.9	2015.5	2009.1	2009.1	2026.8	2031.6	2033.2	2026.8	2033.2
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1428573

CATALOG NUMBER: SQ2W-WBM-K-150U-125D-L935-UNV-STD-W-WM-4

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°	11.1	10.7	10.7	10.6	10.0	8.7	6.1	3.9	6.1	8.3	10.8
90°	42.2	40.2	40.2	38.2	32.2	24.1	14.1	6.0	14.1	22.1	36.2
92.5°	50.3	49.9	46.7	43.0	35.4	35.4	35.0	22.1	38.2	54.3	78.0
95°	46.3	46.3	54.3	68.4	100.6	102.6	68.4	62.4	88.5	124.7	156.9
97.5°	125.1	148.8	182.6	189.1	179.0	133.6	127.9	119.1	162.1	197.9	249.8
100°	231.3	261.5	285.6	237.4	187.1	185.1	173.0	169.0	215.2	249.4	299.7
102.5°	361.7	370.9	287.2	259.9	248.2	239.8	221.3	218.8	265.1	312.2	354.4
105°	392.2	352.0	354.0	354.0	346.0	329.9	295.7	293.7	346.0	400.3	452.6
107.5°	461.4	467.5	477.9	475.5	466.3	423.2	383.0	373.7	420.8	486.0	543.5
110°	553.2	559.2	563.2	559.2	545.1	490.8	442.5	428.4	470.7	539.1	601.4



TEST NUMBER: P1428573

CATALOG NUMBER: SQ2W-WBM-K-150U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	641.7	646.1	654.9	642.9	619.1	556.8	502.1	481.5	523.8	593.8	657.8
115°	782.5	782.5	784.5	778.4	730.2	665.8	593.4	563.2	599.4	663.8	734.2
117.5°	920.9	923.3	915.2	899.1	843.2	768.4	687.1	638.8	667.4	735.4	807.8
120°	1007.8	1011.8	1003.7	979.6	925.3	840.8	748.3	692.0	714.1	780.5	852.9
122.5°	1097.9	1097.1	1087.4	1060.1	996.1	908.4	817.5	748.3	757.5	819.1	889.9
125°	1223.0	1221.0	1212.9	1180.7	1114.4	1023.8	917.2	832.8	820.7	873.0	945.4
127.5°	1342.1	1337.6	1325.2	1286.1	1218.2	1130.9	1013.8	918.0	891.1	924.1	990.5
130°	1424.1	1418.1	1396.0	1353.7	1287.3	1204.9	1086.2	977.6	939.4	959.5	1017.8
132.5°	1503.0	1485.7	1466.8	1421.3	1359.8	1274.1	1153.8	1040.3	987.6	996.5	1041.9
135°	1603.2	1587.1	1562.9	1518.7	1460.3	1375.9	1255.2	1132.5	1060.1	1052.0	1078.2
137.5°	1691.3	1674.4	1647.0	1608.8	1550.0	1474.8	1359.0	1229.4	1138.1	1111.1	1121.2
140°	1746.0	1725.9	1701.7	1663.5	1611.2	1532.8	1420.1	1295.4	1192.8	1154.6	1148.6
142.5°	1791.0	1775.7	1750.0	1715.0	1669.1	1590.7	1481.3	1358.2	1249.1	1199.6	1185.6
145°	1858.6	1846.5	1818.4	1786.2	1748.0	1669.5	1569.0	1446.3	1337.6	1273.3	1243.1
147.5°	1915.7	1906.1	1884.0	1846.1	1814.0	1738.7	1647.0	1538.4	1426.9	1347.3	1308.3
150°	1951.1	1943.1	1921.0	1884.8	1852.6	1782.2	1693.7	1593.1	1486.5	1402.0	1351.7
152.5°	1984.9	1976.9	1951.5	1915.3	1888.0	1822.4	1741.9	1646.2	1538.0	1453.5	1401.6
155°	2029.6	2019.5	1995.4	1961.2	1937.1	1876.7	1802.3	1717.8	1625.3	1536.8	1478.4
157.5°	2065.0	2052.5	2030.0	2000.6	1974.9	1919.4	1854.6	1781.8	1700.9	1616.4	1556.9
160°	2085.9	2071.8	2047.7	2021.5	1997.4	1945.1	1886.8	1820.4	1746.0	1669.5	1605.2
162.5°	2100.4	2087.9	2059.0	2036.0	2015.1	1967.6	1912.5	1852.6	1786.2	1719.4	1659.9
165°	2116.1	2102.0	2071.8	2053.7	2035.6	1995.4	1947.1	1898.8	1842.5	1788.2	1739.9
167.5°	2117.3	2105.6	2075.4	2057.7	2044.5	2009.9	1970.9	1933.8	1890.0	1847.3	1807.1
170°	2114.1	2104.0	2073.8	2057.7	2047.7	2019.5	1985.3	1953.2	1919.0	1882.7	1850.6
172.5°	2102.8	2092.7	2064.2	2051.3	2046.1	2021.1	1993.4	1969.2	1939.9	1913.3	1887.6
175°	2073.8	2065.8	2041.7	2033.6	2035.6	2019.5	1999.4	1985.3	1967.2	1951.1	1937.1
177.5°	2031.6	2026.8	2009.1	2009.1	2015.5	2005.9	1999.4	1993.0	1984.9	1980.1	1975.3
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1428573

CATALOG NUMBER: SQ2W-WBM-K-150U-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°	12.2	14.7	17.6	19.2	20.8	20.0	20.8	19.2	17.6	14.7	12.2
90°	46.3	60.3	74.4	82.5	90.5	86.5	90.5	82.5	74.4	60.3	46.3
92.5°	92.9	116.7	134.0	148.4	154.9	154.1	154.9	148.4	134.0	116.7	92.9
95°	187.1	215.2	243.4	263.5	275.6	271.6	275.6	263.5	243.4	215.2	187.1
97.5°	288.4	326.3	357.6	376.5	388.6	396.7	388.6	376.5	357.6	326.3	288.4
100°	356.0	392.2	428.4	450.6	470.7	478.7	470.7	450.6	428.4	392.2	356.0
102.5°	410.7	458.2	497.6	521.4	538.3	546.3	538.3	521.4	497.6	458.2	410.7
105°	500.9	551.1	593.4	623.6	641.7	647.7	641.7	623.6	593.4	551.1	500.9
107.5°	591.0	642.9	681.9	715.3	737.4	750.3	737.4	715.3	681.9	642.9	591.0
110°	661.8	704.0	746.3	776.4	798.6	806.6	798.6	776.4	746.3	704.0	661.8



TEST NUMBER: P1428573

CATALOG NUMBER: SQ2W-WBM-K-150U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	721.3	768.4	810.6	840.8	866.1	877.4	866.1	840.8	810.6	768.4	721.3
115°	804.6	866.9	905.2	933.3	951.4	961.5	951.4	933.3	905.2	866.9	804.6
117.5°	873.8	939.0	980.8	1002.5	1011.0	1018.2	1011.0	1002.5	980.8	939.0	873.8
120°	917.2	977.6	1025.9	1054.0	1064.1	1068.1	1064.1	1054.0	1025.9	977.6	917.2
122.5°	957.5	1014.6	1061.3	1095.9	1112.4	1116.4	1112.4	1095.9	1061.3	1014.6	957.5
125°	1013.8	1068.1	1116.4	1150.6	1168.7	1178.7	1168.7	1150.6	1116.4	1068.1	1013.8
127.5°	1062.9	1121.6	1165.9	1196.8	1214.5	1222.6	1214.5	1196.8	1165.9	1121.6	1062.9
130°	1090.2	1150.6	1194.8	1229.0	1245.1	1253.2	1245.1	1229.0	1194.8	1150.6	1090.2
132.5°	1111.1	1174.7	1220.6	1251.5	1269.2	1277.3	1269.2	1251.5	1220.6	1174.7	1111.1
135°	1136.5	1202.9	1251.1	1281.3	1297.4	1305.5	1297.4	1281.3	1251.1	1202.9	1136.5
137.5°	1158.6	1219.0	1269.2	1301.0	1315.5	1320.7	1315.5	1301.0	1269.2	1219.0	1158.6
140°	1174.7	1227.0	1277.3	1307.5	1323.6	1325.6	1323.6	1307.5	1277.3	1227.0	1174.7
142.5°	1195.6	1236.7	1280.5	1310.7	1326.8	1330.4	1326.8	1310.7	1280.5	1236.7	1195.6
145°	1233.0	1257.2	1287.3	1315.5	1329.6	1333.6	1329.6	1315.5	1287.3	1257.2	1233.0
147.5°	1280.1	1287.8	1303.4	1321.9	1335.6	1338.4	1335.6	1321.9	1303.4	1287.8	1280.1
150°	1315.5	1313.5	1319.5	1331.6	1343.7	1341.7	1343.7	1331.6	1319.5	1313.5	1315.5
152.5°	1355.7	1344.1	1343.7	1349.3	1354.9	1354.5	1354.9	1349.3	1343.7	1344.1	1355.7
155°	1424.1	1402.0	1389.9	1385.9	1385.9	1383.9	1385.9	1385.9	1389.9	1402.0	1424.1
157.5°	1499.4	1468.4	1450.3	1440.6	1437.8	1433.4	1437.8	1440.6	1450.3	1468.4	1499.4
160°	1550.9	1516.7	1498.6	1482.5	1476.4	1470.4	1476.4	1482.5	1498.6	1516.7	1550.9
162.5°	1599.1	1566.5	1546.8	1532.3	1526.3	1517.1	1526.3	1532.3	1546.8	1566.5	1599.1
165°	1677.6	1643.4	1621.3	1609.2	1601.1	1593.1	1601.1	1609.2	1621.3	1643.4	1677.6
167.5°	1756.0	1718.6	1704.1	1690.5	1682.8	1668.3	1682.8	1690.5	1704.1	1718.6	1756.0
170°	1804.3	1770.1	1762.1	1750.0	1735.9	1719.8	1735.9	1750.0	1762.1	1770.1	1804.3
172.5°	1846.1	1823.2	1815.2	1803.1	1798.7	1785.8	1798.7	1803.1	1815.2	1823.2	1846.1
175°	1906.9	1888.8	1888.8	1886.8	1880.7	1868.7	1880.7	1886.8	1888.8	1888.8	1906.9
177.5°	1957.6	1947.9	1954.4	1954.4	1952.7	1941.5	1952.7	1954.4	1954.4	1947.9	1957.6
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1428573

CATALOG NUMBER: SQ2W-WBM-K-150U-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°	10.8	8.3	6.1	3.9
90°	36.2	22.1	14.1	6.0
92.5°	78.0	54.3	38.2	22.1
95°	156.9	124.7	88.5	62.4
97.5°	249.8	197.9	162.1	119.1
100°	299.7	249.4	215.2	169.0
102.5°	354.4	312.2	265.1	218.8
105°	452.6	400.3	346.0	293.7
107.5°	543.5	486.0	420.8	373.7
110°	601.4	539.1	470.7	428.4



TEST NUMBER: P1428573

CATALOG NUMBER: SQ2W-WBM-K-150U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	657.8	593.8	523.8	481.5
115°	734.2	663.8	599.4	563.2
117.5°	807.8	735.4	667.4	638.8
120°	852.9	780.5	714.1	692.0
122.5°	889.9	819.1	757.5	748.3
125°	945.4	873.0	820.7	832.8
127.5°	990.5	924.1	891.1	918.0
130°	1017.8	959.5	939.4	977.6
132.5°	1041.9	996.5	987.6	1040.3
135°	1078.2	1052.0	1060.1	1132.5
137.5°	1121.2	1111.1	1138.1	1229.4
140°	1148.6	1154.6	1192.8	1295.4
142.5°	1185.6	1199.6	1249.1	1358.2
145°	1243.1	1273.3	1337.6	1446.3
147.5°	1308.3	1347.3	1426.9	1538.4
150°	1351.7	1402.0	1486.5	1593.1
152.5°	1401.6	1453.5	1538.0	1646.2
155°	1478.4	1536.8	1625.3	1717.8
157.5°	1556.9	1616.4	1700.9	1781.8
160°	1605.2	1669.5	1746.0	1820.4
162.5°	1659.9	1719.4	1786.2	1852.6
165°	1739.9	1788.2	1842.5	1898.8
167.5°	1807.1	1847.3	1890.0	1933.8
170°	1850.6	1882.7	1919.0	1953.2
172.5°	1887.6	1913.3	1939.9	1969.2
175°	1937.1	1951.1	1967.2	1985.3
177.5°	1975.3	1980.1	1984.9	1993.0
180°	1991.4	1991.4	1991.4	1991.4

TEST NUMBER: P1428573
 CATALOG NUMBER: SQ2W-WBM-K-150U-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	5.76	6.47	6.77	7.46	8.77	5.75	6.46	6.75	7.45	8.76
	3H	6.45	7.08	7.46	8.08	9.41	6.37	7.00	7.38	8.00	9.33
	4H	6.81	7.41	7.84	8.41	9.75	6.67	7.27	7.70	8.27	9.61
	6H	7.08	7.63	8.11	8.64	9.98	6.90	7.45	7.94	8.46	9.80
	8H	7.20	7.72	8.24	8.74	10.08	7.00	7.52	8.04	8.54	9.88
	12H	7.28	7.77	8.32	8.78	10.15	7.05	7.54	8.09	8.56	9.92
4H	2H	5.85	6.45	6.88	7.45	8.79	5.84	6.43	6.87	7.44	8.77
	3H	6.79	7.28	7.83	8.31	9.66	6.71	7.20	7.74	8.23	9.58
	4H	7.30	7.74	8.34	8.77	10.14	7.15	7.60	8.19	8.62	9.99
	6H	7.72	8.10	8.77	9.15	10.52	7.52	7.91	8.58	8.95	10.32
	8H	7.91	8.27	8.96	9.31	10.69	7.69	8.05	8.74	9.09	10.47
	12H	8.04	8.36	9.10	9.41	10.80	7.78	8.10	8.85	9.15	10.54
8H	4H	7.41	7.77	8.46	8.81	10.19	7.28	7.63	8.33	8.67	10.06
	6H	7.99	8.28	9.06	9.36	10.74	7.80	8.09	8.87	9.17	10.55
	8H	8.28	8.53	9.36	9.60	11.00	8.06	8.32	9.14	9.39	10.78
	12H	8.49	8.72	9.58	9.78	11.22	8.23	8.46	9.31	9.52	10.96
12H	4H	7.39	7.71	8.46	8.76	10.15	7.26	7.58	8.33	8.64	10.02
	6H	8.02	8.28	9.10	9.35	10.74	7.84	8.10	8.92	9.17	10.56
	8H	8.35	8.57	9.43	9.63	11.07	8.14	8.37	9.22	9.43	10.87