

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: P1428562

Luminaire Tested: SQ2W-WBM-K-125U-125D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428562  
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-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 1250 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

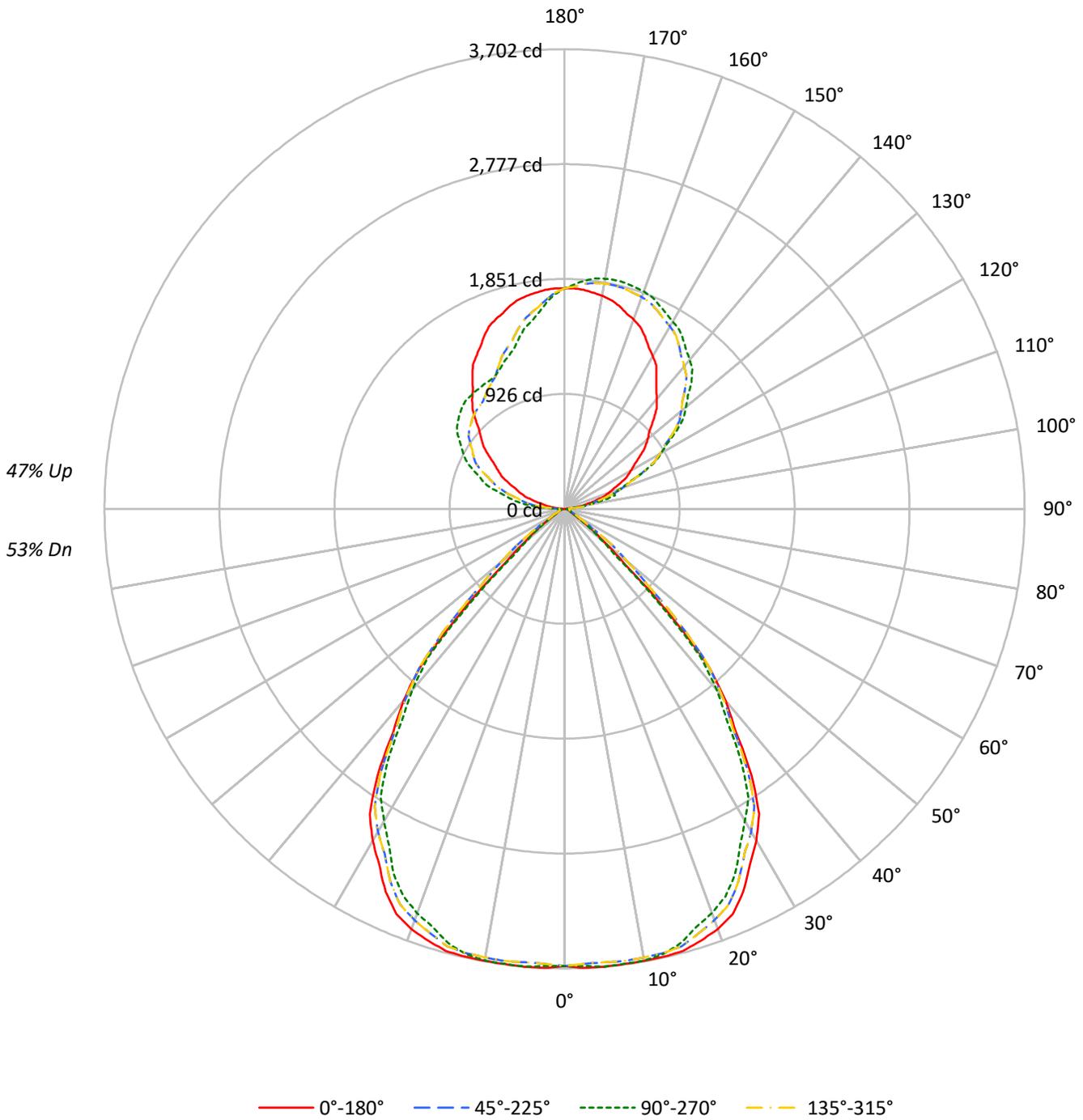
Lumens per Lamp: N/A  
Luminaire Lumens: 10952.9 lumens  
Efficiency: N/A  
Efficacy: 116.8 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 93.8  
Input Voltage (V): 120  
Input Current (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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CATALOG NUMBER: SQ2W-WBM-K-125U-125D-L940-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	50	30	10	0		
RCR																										
0	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53					53			
1	100	97	93	90	93	90	87	85	77	75	73	65	64	63	55	54	53	48					48			
2	93	87	82	77	86	81	76	73	70	67	64	60	58	56	51	49	48	44					44			
3	86	78	72	67	80	73	68	63	64	60	56	55	52	50	47	45	43	39					39			
4	80	71	64	59	74	66	60	56	58	53	50	50	47	44	43	41	39	36					36			
5	74	64	57	52	69	60	54	49	53	48	45	46	43	40	40	37	35	32					32			
6	69	58	51	46	64	55	49	44	49	44	40	43	39	36	37	34	32	30					30			
7	64	53	46	41	60	50	44	39	45	40	36	39	36	33	34	32	29	27					27			
8	60	49	42	37	56	46	40	36	41	36	33	36	33	30	32	29	27	25					25			
9	56	45	38	34	53	43	37	32	38	33	30	34	30	27	30	27	25	23					23			
10	53	42	35	31	49	39	33	29	35	31	27	32	28	25	28	25	23	21					21			

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

	0°	90°	180°	270°
0°	59458	59458	59458	59458
5°	59999	59972	59999	59972
10°	60606	60578	60606	60578
15°	61615	60522	61615	60522
20°	61909	59543	61909	59543
25°	60636	57867	60636	57867
30°	57531	54108	57531	54108
35°	51741	48820	51741	48820
40°	42419	40184	42419	40184
45°	26523	24911	26523	24911
50°	10376	9490	10376	9490
55°	5117	5070	5117	5070
60°	2393	2167	2393	2167
65°	2159	2025	2159	2025
70°	2082	2002	2082	2002
75°	2090	1871	2090	1871
80°	1971	1804	1971	1804
85°	1964	1630	1964	1630

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 30°  
 Vertical Angle: 45°  
 Luminance: 30192 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	352.1	3.2
10°-20°	1029.6	9.4
20°-30°	1522.3	13.9
30°-40°	1575.0	14.4
40°-50°	947.4	8.6
50°-60°	226.5	2.1
60°-70°	61.9	0.6
70°-80°	34.6	0.3
80°-90°	18.3	0.2
90°-100°	141.3	1.3
100°-110°	412.2	3.8
110°-120°	672.6	6.1
120°-130°	853.5	7.8
130°-140°	913.3	8.3
140°-150°	852.8	7.8
150°-160°	701.7	6.4
160°-170°	470.6	4.3
170°-180°	167.1	1.5
0°-30°	2903.9	26.5
0°-40°	4479.0	40.9
0°-60°	5652.9	51.6
0°-90°	5767.7	52.7
90°-120°	1226.1	11.2
90°-150°	3845.7	35.1
90°-180°	5185.0	47.3
0°-180°	10952.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3683	3683	3683	3683	3683	
5°	3702	3700	3702	3700	3702	353
15°	3686	3621	3686	3621	3686	1039
25°	3404	3248	3404	3248	3404	1556
35°	2625	2477	2625	2477	2625	1611
45°	1162	1091	1162	1091	1162	898
55°	182	180	182	180	182	182
65°	56	53	56	53	56	57
75°	34	30	34	30	34	35
85°	11	9	11	9	11	11
90°	5	40	5	77	5	5
95°	56	41	56	242	56	67
105°	262	420	262	578	262	279
115°	502	696	502	857	502	495
125°	743	1103	743	1051	743	664
135°	1010	1444	1010	1164	1010	780
145°	1290	1665	1290	1189	1290	807
155°	1532	1808	1532	1234	1532	704
165°	1693	1885	1693	1421	1693	477
175°	1770	1846	1770	1666	1770	168
180°	1776	1776	1776	1776	1776	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6
2.5°	3701.0	3696.6	3692.2	3681.2	3668.0	3668.3	3682.2	3691.7	3688.6	3685.4	3688.6
5°	3702.0	3696.5	3691.1	3678.5	3663.6	3667.1	3689.1	3705.0	3702.6	3700.3	3702.6
7.5°	3698.2	3695.8	3693.5	3684.3	3672.8	3675.4	3692.0	3703.6	3700.0	3696.4	3700.0
10°	3696.7	3697.5	3698.3	3686.2	3669.7	3670.1	3687.3	3699.7	3697.3	3695.0	3697.3
12.5°	3695.3	3701.8	3708.2	3691.8	3667.8	3662.5	3676.0	3684.8	3679.3	3673.8	3679.3
15°	3686.2	3698.7	3711.3	3689.1	3655.4	3638.5	3638.5	3636.5	3628.7	3620.8	3628.7
17.5°	3647.0	3661.9	3676.8	3646.7	3601.7	3573.1	3561.0	3549.6	3540.0	3530.4	3540.0
20°	3603.2	3618.1	3633.0	3597.3	3544.7	3508.6	3489.0	3473.3	3469.4	3465.5	3469.4
22.5°	3534.0	3550.1	3566.3	3528.1	3471.8	3432.8	3411.3	3393.6	3387.2	3380.7	3387.2
25°	3403.7	3416.2	3428.8	3389.0	3331.7	3295.2	3279.5	3265.6	3257.0	3248.3	3257.0
27.5°	3230.0	3236.9	3243.8	3205.3	3151.6	3115.8	3097.9	3081.5	3069.6	3057.7	3069.6
30°	3085.9	3089.1	3092.2	3061.2	3018.8	2985.9	2962.3	2940.0	2921.1	2902.3	2921.1
32.5°	2915.0	2918.2	2921.3	2894.1	2856.7	2826.9	2804.6	2784.2	2769.1	2754.0	2769.1
35°	2625.1	2623.6	2622.0	2604.6	2581.8	2557.5	2531.6	2508.2	2492.5	2476.9	2492.5
37.5°	2262.5	2264.7	2266.9	2253.9	2235.9	2216.7	2196.3	2177.0	2161.2	2145.3	2161.2
40°	2012.6	2014.1	2015.7	2004.9	1990.0	1967.6	1937.8	1914.5	1910.6	1906.6	1910.6
42.5°	1707.5	1731.0	1754.6	1745.0	1724.5	1702.7	1679.8	1658.1	1639.7	1621.3	1639.7
45°	1161.6	1233.0	1304.4	1322.3	1322.3	1308.6	1281.1	1241.7	1166.3	1091.0	1166.3
47.5°	656.0	737.3	818.6	872.0	916.1	897.3	815.7	731.7	640.2	548.7	640.2
50°	413.1	468.0	523.0	591.4	664.4	644.4	531.4	439.0	408.4	377.8	408.4
52.5°	293.1	321.0	348.9	413.5	490.2	480.9	385.4	309.8	293.7	277.5	293.7
55°	181.8	192.0	202.2	233.6	272.1	269.7	226.6	192.6	186.3	180.1	186.3
57.5°	108.0	118.6	129.1	143.0	158.1	158.1	143.0	129.2	119.3	109.5	119.3
60°	74.1	82.8	91.4	103.0	115.5	114.0	98.3	84.3	75.7	67.1	75.7
62.5°	64.3	67.9	71.5	80.4	91.1	90.1	77.6	67.4	64.4	61.4	64.4
65°	56.5	57.3	58.1	58.8	59.6	59.2	57.7	56.1	54.5	53.0	54.5
67.5°	49.8	50.6	51.4	51.1	50.5	50.1	49.9	49.4	48.0	46.6	48.0
70°	44.1	44.9	45.7	45.9	45.9	45.5	44.7	43.9	43.2	42.4	43.2
72.5°	39.9	40.7	41.5	41.2	40.6	40.2	40.0	39.5	38.1	36.7	38.1
75°	33.5	33.5	33.5	33.5	33.5	33.2	32.4	31.6	30.8	30.0	30.8
77.5°	25.4	26.2	27.0	26.6	25.8	25.4	25.4	25.2	24.4	23.7	24.4
80°	21.2	22.0	22.8	22.4	21.6	21.2	21.2	21.0	20.2	19.4	20.2
82.5°	16.9	17.1	17.3	17.2	17.0	16.9	16.9	16.8	16.0	15.2	16.0
85°	10.6	10.6	10.6	10.0	9.2	8.8	8.8	8.8	8.8	8.8	8.8
87.5°	3.9	6.0	8.4	9.5	10.0	10.0	10.0	10.4	10.7	10.7	10.7
90°	5.4	12.6	21.5	28.7	34.1	35.9	35.9	37.7	39.5	39.5	39.5
92.5°	19.7	31.2	31.6	31.6	38.4	41.6	44.5	44.8	46.6	46.6	46.6
95°	55.6	61.0	91.5	89.7	61.0	48.4	41.3	41.3	41.3	41.3	41.3
97.5°	106.2	114.1	119.1	159.6	168.6	162.9	132.7	111.6	99.7	94.4	99.7
100°	150.7	154.3	165.0	166.8	211.7	254.7	233.2	206.3	197.3	191.9	197.3
102.5°	195.2	197.3	213.8	221.4	231.8	256.2	330.8	322.5	316.4	315.3	316.4
105°	261.9	263.7	294.2	308.5	315.7	315.7	313.9	349.8	407.2	419.7	407.2
107.5°	333.3	341.5	377.4	415.8	424.0	426.2	416.9	411.5	409.3	410.8	409.3
110°	382.1	394.6	437.7	486.1	498.7	502.3	498.7	493.3	489.7	489.7	489.7



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	429.4	447.7	496.5	552.1	573.3	584.1	576.2	572.2	568.6	571.5	568.6
115°	502.3	529.2	593.7	651.1	694.2	699.6	697.8	697.8	696.0	696.0	696.0
117.5°	569.7	612.8	685.2	752.0	801.8	816.2	823.3	821.2	819.0	822.6	819.0
120°	617.1	667.3	749.8	825.1	873.6	895.1	902.3	898.7	902.3	898.7	902.3
122.5°	667.3	729.0	810.1	888.3	945.3	969.7	978.3	979.0	979.8	977.6	979.8
125°	742.6	818.0	913.0	993.8	1052.9	1081.6	1088.8	1090.6	1094.2	1103.2	1094.2
127.5°	818.7	904.1	1008.5	1086.3	1146.9	1181.7	1192.9	1196.8	1204.3	1208.3	1204.3
130°	871.8	968.6	1074.5	1148.0	1207.2	1244.9	1264.6	1270.0	1279.0	1277.2	1279.0
132.5°	927.7	1028.9	1136.2	1212.6	1267.5	1308.0	1324.9	1340.3	1343.5	1346.1	1343.5
135°	1009.9	1119.3	1226.9	1302.3	1354.3	1393.8	1415.3	1429.6	1438.6	1444.0	1438.6
137.5°	1096.4	1211.9	1315.2	1382.3	1434.7	1468.7	1493.1	1508.2	1517.5	1521.8	1517.5
140°	1155.2	1266.4	1366.9	1436.8	1483.5	1517.5	1539.1	1557.0	1567.8	1567.8	1567.8
142.5°	1211.2	1320.9	1418.5	1488.5	1529.4	1560.6	1583.5	1597.2	1609.4	1609.4	1609.4
145°	1289.7	1399.1	1488.8	1558.8	1592.9	1621.6	1646.7	1657.5	1664.6	1664.6	1664.6
147.5°	1371.9	1468.7	1550.5	1617.6	1646.3	1680.1	1699.8	1708.4	1717.4	1713.4	1717.4
150°	1420.7	1510.4	1589.3	1652.1	1680.8	1713.1	1732.8	1740.0	1748.9	1743.6	1748.9
152.5°	1468.0	1553.4	1625.2	1683.6	1708.0	1740.3	1762.9	1770.1	1776.2	1772.3	1776.2
155°	1531.9	1607.2	1673.6	1727.4	1748.9	1779.4	1801.0	1809.9	1817.1	1808.1	1817.1
157.5°	1588.9	1653.9	1711.6	1761.1	1784.1	1810.3	1830.4	1841.5	1848.7	1844.7	1848.7
160°	1623.4	1682.6	1734.6	1781.2	1802.7	1826.1	1847.6	1860.1	1867.3	1861.9	1867.3
162.5°	1652.1	1705.5	1754.7	1797.0	1815.7	1836.1	1861.9	1873.1	1880.2	1873.4	1880.2
165°	1693.3	1736.4	1779.4	1815.3	1831.4	1847.6	1874.5	1887.1	1892.4	1885.3	1892.4
167.5°	1724.5	1757.5	1792.3	1823.2	1835.0	1850.8	1877.7	1888.1	1894.9	1886.0	1894.9
170°	1741.8	1770.5	1801.0	1826.1	1835.0	1849.4	1876.3	1885.3	1890.6	1881.7	1890.6
172.5°	1756.1	1777.6	1802.4	1824.6	1829.3	1840.8	1866.2	1875.2	1879.2	1871.6	1879.2
175°	1770.5	1783.0	1801.0	1815.3	1813.5	1820.7	1842.2	1849.4	1856.6	1845.8	1856.6
177.5°	1777.3	1783.0	1788.8	1797.4	1791.6	1791.6	1807.4	1811.7	1813.2	1807.4	1813.2
180°	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6
2.5°	3691.7	3682.2	3668.3	3668.0	3681.2	3692.2	3696.6	3701.0	3696.6	3692.2	3681.2
5°	3705.0	3689.1	3667.1	3663.6	3678.5	3691.1	3696.5	3702.0	3696.5	3691.1	3678.5
7.5°	3703.6	3692.0	3675.4	3672.8	3684.3	3693.5	3695.8	3698.2	3695.8	3693.5	3684.3
10°	3699.7	3687.3	3670.1	3669.7	3686.2	3698.3	3697.5	3696.7	3697.5	3698.3	3686.2
12.5°	3684.8	3676.0	3662.5	3667.8	3691.8	3708.2	3701.8	3695.3	3701.8	3708.2	3691.8
15°	3636.5	3638.5	3638.5	3655.4	3689.1	3711.3	3698.7	3686.2	3698.7	3711.3	3689.1
17.5°	3549.6	3561.0	3573.1	3601.7	3646.7	3676.8	3661.9	3647.0	3661.9	3676.8	3646.7
20°	3473.3	3489.0	3508.6	3544.7	3597.3	3633.0	3618.1	3603.2	3618.1	3633.0	3597.3
22.5°	3393.6	3411.3	3432.8	3471.8	3528.1	3566.3	3550.1	3534.0	3550.1	3566.3	3528.1
25°	3265.6	3279.5	3295.2	3331.7	3389.0	3428.8	3416.2	3403.7	3416.2	3428.8	3389.0
27.5°	3081.5	3097.9	3115.8	3151.6	3205.3	3243.8	3236.9	3230.0	3236.9	3243.8	3205.3
30°	2940.0	2962.3	2985.9	3018.8	3061.2	3092.2	3089.1	3085.9	3089.1	3092.2	3061.2
32.5°	2784.2	2804.6	2826.9	2856.7	2894.1	2921.3	2918.2	2915.0	2918.2	2921.3	2894.1
35°	2508.2	2531.6	2557.5	2581.8	2604.6	2622.0	2623.6	2625.1	2623.6	2622.0	2604.6
37.5°	2177.0	2196.3	2216.7	2235.9	2253.9	2266.9	2264.7	2262.5	2264.7	2266.9	2253.9
40°	1914.5	1937.8	1967.6	1990.0	2004.9	2015.7	2014.1	2012.6	2014.1	2015.7	2004.9
42.5°	1658.1	1679.8	1702.7	1724.5	1745.0	1754.6	1731.0	1707.5	1731.0	1754.6	1745.0
45°	1241.7	1281.1	1308.6	1322.3	1322.3	1304.4	1233.0	1161.6	1233.0	1304.4	1322.3
47.5°	731.7	815.7	897.3	916.1	872.0	818.6	737.3	656.0	737.3	818.6	872.0
50°	439.0	531.4	644.4	664.4	591.4	523.0	468.0	413.1	468.0	523.0	591.4
52.5°	309.8	385.4	480.9	490.2	413.5	348.9	321.0	293.1	321.0	348.9	413.5
55°	192.6	226.6	269.7	272.1	233.6	202.2	192.0	181.8	192.0	202.2	233.6
57.5°	129.2	143.0	158.1	158.1	143.0	129.1	118.6	108.0	118.6	129.1	143.0
60°	84.3	98.3	114.0	115.5	103.0	91.4	82.8	74.1	82.8	91.4	103.0
62.5°	67.4	77.6	90.1	91.1	80.4	71.5	67.9	64.3	67.9	71.5	80.4
65°	56.1	57.7	59.2	59.6	58.8	58.1	57.3	56.5	57.3	58.1	58.8
67.5°	49.4	49.9	50.1	50.5	51.1	51.4	50.6	49.8	50.6	51.4	51.1
70°	43.9	44.7	45.5	45.9	45.9	45.7	44.9	44.1	44.9	45.7	45.9
72.5°	39.5	40.0	40.2	40.6	41.2	41.5	40.7	39.9	40.7	41.5	41.2
75°	31.6	32.4	33.2	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
77.5°	25.2	25.4	25.4	25.8	26.6	27.0	26.2	25.4	26.2	27.0	26.6
80°	21.0	21.2	21.2	21.6	22.4	22.8	22.0	21.2	22.0	22.8	22.4
82.5°	16.8	16.9	16.9	17.0	17.2	17.3	17.1	16.9	17.1	17.3	17.2
85°	8.8	8.8	8.8	9.2	10.0	10.6	10.6	10.6	10.6	10.6	10.0
87.5°	10.4	10.0	10.0	10.0	9.5	8.4	6.0	3.9	6.0	8.0	10.2
90°	37.7	35.9	35.9	34.1	28.7	21.5	12.6	5.4	12.6	19.7	32.3
92.5°	44.8	44.5	41.6	38.4	31.6	31.6	31.2	19.7	34.1	48.4	69.6
95°	41.3	41.3	48.4	61.0	89.7	91.5	61.0	55.6	78.9	111.2	139.9
97.5°	111.6	132.7	162.9	168.6	159.6	119.1	114.1	106.2	144.6	176.5	222.8
100°	206.3	233.2	254.7	211.7	166.8	165.0	154.3	150.7	191.9	222.4	267.3
102.5°	322.5	330.8	256.2	231.8	221.4	213.8	197.3	195.2	236.4	278.4	316.1
105°	349.8	313.9	315.7	315.7	308.5	294.2	263.7	261.9	308.5	357.0	403.6
107.5°	411.5	416.9	426.2	424.0	415.8	377.4	341.5	333.3	375.3	433.4	484.7
110°	493.3	498.7	502.3	498.7	486.1	437.7	394.6	382.1	419.7	480.7	536.3



TEST NUMBER: P1428562

CATALOG NUMBER: SQ2W-WBM-K-125U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	572.2	576.2	584.1	573.3	552.1	496.5	447.7	429.4	467.1	529.5	586.6
115°	697.8	697.8	699.6	694.2	651.1	593.7	529.2	502.3	534.5	591.9	654.7
117.5°	821.2	823.3	816.2	801.8	752.0	685.2	612.8	569.7	595.2	655.8	720.4
120°	898.7	902.3	895.1	873.6	825.1	749.8	667.3	617.1	636.8	696.0	760.6
122.5°	979.0	978.3	969.7	945.3	888.3	810.1	729.0	667.3	675.5	730.4	793.6
125°	1090.6	1088.8	1081.6	1052.9	993.8	913.0	818.0	742.6	731.9	778.5	843.1
127.5°	1196.8	1192.9	1181.7	1146.9	1086.3	1008.5	904.1	818.7	794.6	824.1	883.3
130°	1270.0	1264.6	1244.9	1207.2	1148.0	1074.5	968.6	871.8	837.7	855.6	907.7
132.5°	1340.3	1324.9	1308.0	1267.5	1212.6	1136.2	1028.9	927.7	880.7	888.6	929.2
135°	1429.6	1415.3	1393.8	1354.3	1302.3	1226.9	1119.3	1009.9	945.3	938.1	961.5
137.5°	1508.2	1493.1	1468.7	1434.7	1382.3	1315.2	1211.9	1096.4	1014.9	990.9	999.9
140°	1557.0	1539.1	1517.5	1483.5	1436.8	1366.9	1266.4	1155.2	1063.7	1029.6	1024.2
142.5°	1597.2	1583.5	1560.6	1529.4	1488.5	1418.5	1320.9	1211.2	1113.9	1069.8	1057.3
145°	1657.5	1646.7	1621.6	1592.9	1558.8	1488.8	1399.1	1289.7	1192.9	1135.5	1108.6
147.5°	1708.4	1699.8	1680.1	1646.3	1617.6	1550.5	1468.7	1371.9	1272.5	1201.5	1166.7
150°	1740.0	1732.8	1713.1	1680.8	1652.1	1589.3	1510.4	1420.7	1325.6	1250.3	1205.4
152.5°	1770.1	1762.9	1740.3	1708.0	1683.6	1625.2	1553.4	1468.0	1371.5	1296.2	1249.9
155°	1809.9	1801.0	1779.4	1748.9	1727.4	1673.6	1607.2	1531.9	1449.4	1370.4	1318.4
157.5°	1841.5	1830.4	1810.3	1784.1	1761.1	1711.6	1653.9	1588.9	1516.8	1441.5	1388.4
160°	1860.1	1847.6	1826.1	1802.7	1781.2	1734.6	1682.6	1623.4	1557.0	1488.8	1431.4
162.5°	1873.1	1861.9	1836.1	1815.7	1797.0	1754.7	1705.5	1652.1	1592.9	1533.3	1480.2
165°	1887.1	1874.5	1847.6	1831.4	1815.3	1779.4	1736.4	1693.3	1643.1	1594.7	1551.6
167.5°	1888.1	1877.7	1850.8	1835.0	1823.2	1792.3	1757.5	1724.5	1685.4	1647.4	1611.5
170°	1885.3	1876.3	1849.4	1835.0	1826.1	1801.0	1770.5	1741.8	1711.3	1679.0	1650.3
172.5°	1875.2	1866.2	1840.8	1829.3	1824.6	1802.4	1777.6	1756.1	1729.9	1706.2	1683.3
175°	1849.4	1842.2	1820.7	1813.5	1815.3	1801.0	1783.0	1770.5	1754.3	1740.0	1727.4
177.5°	1811.7	1807.4	1791.6	1791.6	1797.4	1788.8	1783.0	1777.3	1770.1	1765.8	1761.5
180°	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1428562

CATALOG NUMBER: SQ2W-WBM-K-125U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6	3682.6
2.5°	3668.0	3668.3	3682.2	3691.7	3688.6	3685.4	3688.6	3691.7	3682.2	3668.3	3668.0
5°	3663.6	3667.1	3689.1	3705.0	3702.6	3700.3	3702.6	3705.0	3689.1	3667.1	3663.6
7.5°	3672.8	3675.4	3692.0	3703.6	3700.0	3696.4	3700.0	3703.6	3692.0	3675.4	3672.8
10°	3669.7	3670.1	3687.3	3699.7	3697.3	3695.0	3697.3	3699.7	3687.3	3670.1	3669.7
12.5°	3667.8	3662.5	3676.0	3684.8	3679.3	3673.8	3679.3	3684.8	3676.0	3662.5	3667.8
15°	3655.4	3638.5	3638.5	3636.5	3628.7	3620.8	3628.7	3636.5	3638.5	3638.5	3655.4
17.5°	3601.7	3573.1	3561.0	3549.6	3540.0	3530.4	3540.0	3549.6	3561.0	3573.1	3601.7
20°	3544.7	3508.6	3489.0	3473.3	3469.4	3465.5	3469.4	3473.3	3489.0	3508.6	3544.7
22.5°	3471.8	3432.8	3411.3	3393.6	3387.2	3380.7	3387.2	3393.6	3411.3	3432.8	3471.8
25°	3331.7	3295.2	3279.5	3265.6	3257.0	3248.3	3257.0	3265.6	3279.5	3295.2	3331.7
27.5°	3151.6	3115.8	3097.9	3081.5	3069.6	3057.7	3069.6	3081.5	3097.9	3115.8	3151.6
30°	3018.8	2985.9	2962.3	2940.0	2921.1	2902.3	2921.1	2940.0	2962.3	2985.9	3018.8
32.5°	2856.7	2826.9	2804.6	2784.2	2769.1	2754.0	2769.1	2784.2	2804.6	2826.9	2856.7
35°	2581.8	2557.5	2531.6	2508.2	2492.5	2476.9	2492.5	2508.2	2531.6	2557.5	2581.8
37.5°	2235.9	2216.7	2196.3	2177.0	2161.2	2145.3	2161.2	2177.0	2196.3	2216.7	2235.9
40°	1990.0	1967.6	1937.8	1914.5	1910.6	1906.6	1910.6	1914.5	1937.8	1967.6	1990.0
42.5°	1724.5	1702.7	1679.8	1658.1	1639.7	1621.3	1639.7	1658.1	1679.8	1702.7	1724.5
45°	1322.3	1308.6	1281.1	1241.7	1166.3	1091.0	1166.3	1241.7	1281.1	1308.6	1322.3
47.5°	916.1	897.3	815.7	731.7	640.2	548.7	640.2	731.7	815.7	897.3	916.1
50°	664.4	644.4	531.4	439.0	408.4	377.8	408.4	439.0	531.4	644.4	664.4
52.5°	490.2	480.9	385.4	309.8	293.7	277.5	293.7	309.8	385.4	480.9	490.2
55°	272.1	269.7	226.6	192.6	186.3	180.1	186.3	192.6	226.6	269.7	272.1
57.5°	158.1	158.1	143.0	129.2	119.3	109.5	119.3	129.2	143.0	158.1	158.1
60°	115.5	114.0	98.3	84.3	75.7	67.1	75.7	84.3	98.3	114.0	115.5
62.5°	91.1	90.1	77.6	67.4	64.4	61.4	64.4	67.4	77.6	90.1	91.1
65°	59.6	59.2	57.7	56.1	54.5	53.0	54.5	56.1	57.7	59.2	59.6
67.5°	50.5	50.1	49.9	49.4	48.0	46.6	48.0	49.4	49.9	50.1	50.5
70°	45.9	45.5	44.7	43.9	43.2	42.4	43.2	43.9	44.7	45.5	45.9
72.5°	40.6	40.2	40.0	39.5	38.1	36.7	38.1	39.5	40.0	40.2	40.6
75°	33.5	33.2	32.4	31.6	30.8	30.0	30.8	31.6	32.4	33.2	33.5
77.5°	25.8	25.4	25.4	25.2	24.4	23.7	24.4	25.2	25.4	25.4	25.8
80°	21.6	21.2	21.2	21.0	20.2	19.4	20.2	21.0	21.2	21.2	21.6
82.5°	17.0	16.9	16.9	16.8	16.0	15.2	16.0	16.8	16.9	16.9	17.0
85°	9.2	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	9.2
87.5°	11.4	13.6	16.1	17.5	19.0	18.3	19.0	17.5	16.1	13.6	11.4
90°	41.3	53.8	66.4	73.5	80.7	77.1	80.7	73.5	66.4	53.8	41.3
92.5°	82.9	104.0	119.5	132.4	138.1	137.4	138.1	132.4	119.5	104.0	82.9
95°	166.8	191.9	217.0	235.0	245.7	242.2	245.7	235.0	217.0	191.9	166.8
97.5°	257.2	291.0	318.9	335.8	346.6	353.7	346.6	335.8	318.9	291.0	257.2
100°	317.5	349.8	382.1	401.8	419.7	426.9	419.7	401.8	382.1	349.8	317.5
102.5°	366.3	408.6	443.8	464.9	480.0	487.2	480.0	464.9	443.8	408.6	366.3
105°	446.7	491.5	529.2	556.1	572.2	577.6	572.2	556.1	529.2	491.5	446.7
107.5°	527.0	573.3	608.1	637.9	657.6	669.1	657.6	608.1	573.3	527.0	527.0
110°	590.2	627.8	665.5	692.4	712.1	719.3	712.1	692.4	665.5	627.8	590.2



TEST NUMBER: P1428562

CATALOG NUMBER: SQ2W-WBM-K-125U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	643.2	685.2	722.9	749.8	772.4	782.4	772.4	749.8	722.9	685.2	643.2
115°	717.5	773.1	807.2	832.3	848.5	857.4	848.5	832.3	807.2	773.1	717.5
117.5°	779.2	837.3	874.6	894.0	901.6	908.0	901.6	894.0	874.6	837.3	779.2
120°	818.0	871.8	914.8	939.9	948.9	952.5	948.9	939.9	914.8	871.8	818.0
122.5°	853.8	904.8	946.4	977.3	992.0	995.5	992.0	977.3	946.4	904.8	853.8
125°	904.1	952.5	995.5	1026.0	1042.2	1051.2	1042.2	1026.0	995.5	952.5	904.1
127.5°	947.8	1000.2	1039.7	1067.3	1083.1	1090.3	1083.1	1067.3	1039.7	1000.2	947.8
130°	972.2	1026.0	1065.5	1096.0	1110.3	1117.5	1110.3	1096.0	1065.5	1026.0	972.2
132.5°	990.9	1047.6	1088.5	1116.1	1131.9	1139.0	1131.9	1116.1	1088.5	1047.6	990.9
135°	1013.5	1072.7	1115.7	1142.6	1157.0	1164.2	1157.0	1142.6	1115.7	1072.7	1013.5
137.5°	1033.2	1087.0	1131.9	1160.2	1173.1	1177.8	1173.1	1160.2	1131.9	1087.0	1033.2
140°	1047.6	1094.2	1139.0	1166.0	1180.3	1182.1	1180.3	1166.0	1139.0	1094.2	1047.6
142.5°	1066.2	1102.8	1141.9	1168.8	1183.2	1186.4	1183.2	1168.8	1141.9	1102.8	1066.2
145°	1099.6	1121.1	1148.0	1173.1	1185.7	1189.3	1185.7	1173.1	1148.0	1121.1	1099.6
147.5°	1141.6	1148.4	1162.4	1178.9	1191.1	1193.6	1191.1	1178.9	1162.4	1148.4	1141.6
150°	1173.1	1171.3	1176.7	1187.5	1198.2	1196.5	1198.2	1187.5	1176.7	1171.3	1173.1
152.5°	1209.0	1198.6	1198.2	1203.3	1208.3	1207.9	1208.3	1203.3	1198.2	1198.6	1209.0
155°	1270.0	1250.3	1239.5	1235.9	1235.9	1234.1	1235.9	1235.9	1239.5	1250.3	1270.0
157.5°	1337.1	1309.5	1293.3	1284.7	1282.2	1278.2	1282.2	1284.7	1293.3	1309.5	1337.1
160°	1383.0	1352.5	1336.4	1322.0	1316.6	1311.3	1316.6	1322.0	1336.4	1352.5	1383.0
162.5°	1426.1	1397.0	1379.4	1366.5	1361.1	1352.9	1361.1	1366.5	1379.4	1397.0	1426.1
165°	1496.0	1465.5	1445.8	1435.0	1427.8	1420.7	1427.8	1435.0	1445.8	1465.5	1496.0
167.5°	1566.0	1532.6	1519.7	1507.5	1500.7	1487.8	1500.7	1507.5	1519.7	1532.6	1566.0
170°	1609.0	1578.5	1571.4	1560.6	1548.0	1533.7	1548.0	1560.6	1571.4	1578.5	1609.0
172.5°	1646.3	1625.9	1618.7	1607.9	1604.0	1592.5	1604.0	1607.9	1618.7	1625.9	1646.3
175°	1700.5	1684.4	1684.4	1682.6	1677.2	1666.4	1677.2	1682.6	1684.4	1684.4	1700.5
177.5°	1745.7	1737.1	1742.8	1742.8	1741.4	1731.4	1741.4	1742.8	1742.8	1737.1	1745.7
180°	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1428562

CATALOG NUMBER: SQ2W-WBM-K-125U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	3682.6	3682.6	3682.6	3682.6
2.5°	3681.2	3692.2	3696.6	3701.0
5°	3678.5	3691.1	3696.5	3702.0
7.5°	3684.3	3693.5	3695.8	3698.2
10°	3686.2	3698.3	3697.5	3696.7
12.5°	3691.8	3708.2	3701.8	3695.3
15°	3689.1	3711.3	3698.7	3686.2
17.5°	3646.7	3676.8	3661.9	3647.0
20°	3597.3	3633.0	3618.1	3603.2
22.5°	3528.1	3566.3	3550.1	3534.0
25°	3389.0	3428.8	3416.2	3403.7
27.5°	3205.3	3243.8	3236.9	3230.0
30°	3061.2	3092.2	3089.1	3085.9
32.5°	2894.1	2921.3	2918.2	2915.0
35°	2604.6	2622.0	2623.6	2625.1
37.5°	2253.9	2266.9	2264.7	2262.5
40°	2004.9	2015.7	2014.1	2012.6
42.5°	1745.0	1754.6	1731.0	1707.5
45°	1322.3	1304.4	1233.0	1161.6
47.5°	872.0	818.6	737.3	656.0
50°	591.4	523.0	468.0	413.1
52.5°	413.5	348.9	321.0	293.1
55°	233.6	202.2	192.0	181.8
57.5°	143.0	129.1	118.6	108.0
60°	103.0	91.4	82.8	74.1
62.5°	80.4	71.5	67.9	64.3
65°	58.8	58.1	57.3	56.5
67.5°	51.1	51.4	50.6	49.8
70°	45.9	45.7	44.9	44.1
72.5°	41.2	41.5	40.7	39.9
75°	33.5	33.5	33.5	33.5
77.5°	26.6	27.0	26.2	25.4
80°	22.4	22.8	22.0	21.2
82.5°	17.2	17.3	17.1	16.9
85°	10.0	10.6	10.6	10.6
87.5°	10.2	8.0	6.0	3.9
90°	32.3	19.7	12.6	5.4
92.5°	69.6	48.4	34.1	19.7
95°	139.9	111.2	78.9	55.6
97.5°	222.8	176.5	144.6	106.2
100°	267.3	222.4	191.9	150.7
102.5°	316.1	278.4	236.4	195.2
105°	403.6	357.0	308.5	261.9
107.5°	484.7	433.4	375.3	333.3
110°	536.3	480.7	419.7	382.1



TEST NUMBER: P1428562

CATALOG NUMBER: SQ2W-WBM-K-125U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	586.6	529.5	467.1	429.4
115°	654.7	591.9	534.5	502.3
117.5°	720.4	655.8	595.2	569.7
120°	760.6	696.0	636.8	617.1
122.5°	793.6	730.4	675.5	667.3
125°	843.1	778.5	731.9	742.6
127.5°	883.3	824.1	794.6	818.7
130°	907.7	855.6	837.7	871.8
132.5°	929.2	888.6	880.7	927.7
135°	961.5	938.1	945.3	1009.9
137.5°	999.9	990.9	1014.9	1096.4
140°	1024.2	1029.6	1063.7	1155.2
142.5°	1057.3	1069.8	1113.9	1211.2
145°	1108.6	1135.5	1192.9	1289.7
147.5°	1166.7	1201.5	1272.5	1371.9
150°	1205.4	1250.3	1325.6	1420.7
152.5°	1249.9	1296.2	1371.5	1468.0
155°	1318.4	1370.4	1449.4	1531.9
157.5°	1388.4	1441.5	1516.8	1588.9
160°	1431.4	1488.8	1557.0	1623.4
162.5°	1480.2	1533.3	1592.9	1652.1
165°	1551.6	1594.7	1643.1	1693.3
167.5°	1611.5	1647.4	1685.4	1724.5
170°	1650.3	1679.0	1711.3	1741.8
172.5°	1683.3	1706.2	1729.9	1756.1
175°	1727.4	1740.0	1754.3	1770.5
177.5°	1761.5	1765.8	1770.1	1777.3
180°	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1428562  
 CATALOG NUMBER: SQ2W-WBM-K-125U-125D-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	6.37	7.11	7.34	8.06	9.31	6.35	7.09	7.32	8.04	9.29
	3H	7.06	7.71	8.04	8.68	9.95	6.98	7.63	7.96	8.59	9.86
	4H	7.42	8.04	8.42	9.01	10.29	7.28	7.89	8.27	8.86	10.14
	6H	7.69	8.26	8.69	9.23	10.52	7.51	8.08	8.51	9.05	10.34
	8H	7.81	8.34	8.82	9.34	10.62	7.61	8.14	8.62	9.13	10.42
	12H	7.89	8.39	8.90	9.38	10.69	7.66	8.17	8.67	9.15	10.46
4H	2H	6.47	7.08	7.46	8.05	9.33	6.45	7.06	7.44	8.03	9.31
	3H	7.41	7.91	8.41	8.91	10.20	7.32	7.82	8.32	8.82	10.11
	4H	7.91	8.37	8.92	9.36	10.68	7.76	8.22	8.77	9.21	10.53
	6H	8.34	8.73	9.36	9.75	11.06	8.14	8.53	9.16	9.54	10.86
	8H	8.53	8.89	9.55	9.90	11.23	8.30	8.67	9.32	9.68	11.00
	12H	8.65	8.98	9.69	10.00	11.33	8.39	8.72	9.43	9.75	11.07
8H	4H	8.03	8.39	9.05	9.40	10.73	7.89	8.26	8.91	9.27	10.59
	6H	8.60	8.90	9.65	9.95	11.28	8.41	8.71	9.45	9.76	11.08
	8H	8.89	9.16	9.94	10.20	11.54	8.68	8.94	9.73	9.98	11.32
	12H	9.11	9.34	10.16	10.37	11.76	8.84	9.08	9.90	10.11	11.50
12H	4H	8.00	8.33	9.04	9.36	10.69	7.87	8.20	8.91	9.23	10.56
	6H	8.64	8.90	9.69	9.94	11.28	8.45	8.72	9.51	9.76	11.10
	8H	8.96	9.19	10.01	10.23	11.61	8.75	8.99	9.81	10.02	11.41