

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: P1428125

Luminaire Tested: SQ2W-PP3-K-125U-125D-L830-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428125
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PP3-K-125U-125D-L830-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE PRISM LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

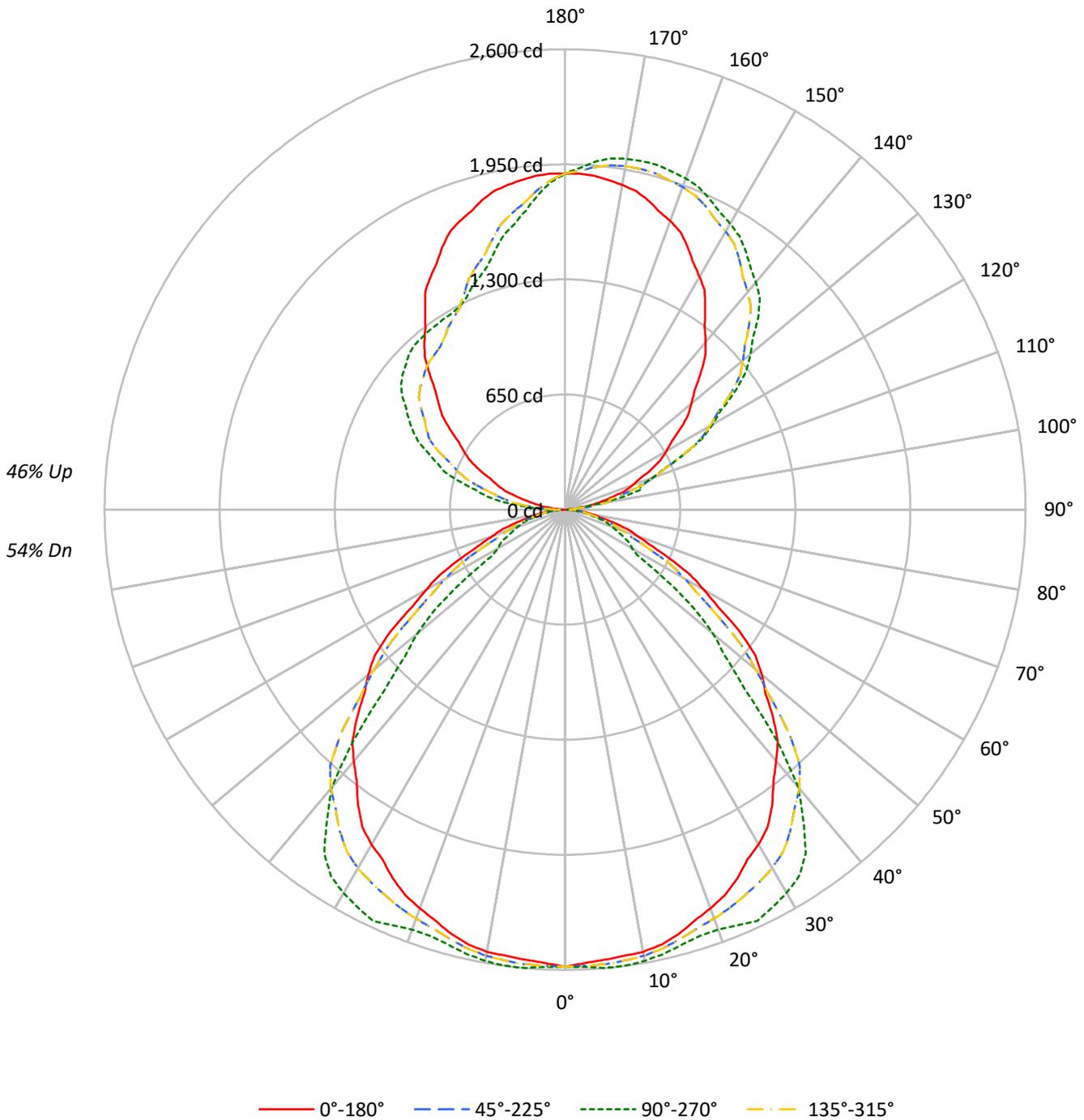
Lumens per Lamp: N/A
Luminaire Lumens: 12055.7 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 93.2
Input Voltage (V): 120
Input Current (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	50	30	10	0	
RCR																						
0	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54	54	54	54	
1	99	95	91	88	92	88	85	82	76	74	72	64	63	61	54	53	52	47	47	47	47	
2	91	84	78	73	84	78	73	69	67	63	60	57	54	52	48	46	44	40	40	40	40	
3	83	74	67	61	77	69	63	58	60	55	51	51	47	45	43	40	38	34	34	34	34	
4	76	66	58	52	71	61	55	49	53	48	44	46	42	39	39	36	33	30	30	30	30	
5	70	59	51	45	65	55	48	43	48	42	38	41	37	34	35	32	29	26	26	26	26	
6	65	53	45	39	60	50	42	37	43	38	33	37	33	30	32	28	26	23	23	23	23	
7	60	48	40	34	56	45	38	33	39	34	30	34	30	26	29	26	23	21	21	21	21	
8	56	43	36	31	52	41	34	29	36	30	26	31	27	23	27	23	21	18	18	18	18	
9	52	40	32	27	48	37	31	26	33	27	24	29	24	21	25	21	19	17	17	17	17	
10	48	36	29	24	45	34	28	23	30	25	21	26	22	19	23	19	17	15	15	15	15	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	41706	41706	41706	41706
5°	41379	42131	41379	42131
10°	41588	42439	41588	42439
15°	41489	42538	41489	42538
20°	41191	43398	41191	43398
25°	40958	45677	40958	45677
30°	40726	46631	40726	46631
35°	40149	46715	40149	46715
40°	39078	43163	39078	43163
45°	37908	32857	37908	32857
50°	36419	27366	36419	27366
55°	33897	19676	33897	19676
60°	29185	14108	29185	14108
65°	24618	13876	24618	13876
70°	20497	13274	20497	13274
75°	17373	12433	17373	12433
80°	14728	11167	14728	11167
85°	11634	6076	11634	6076

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 41467 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.0	2.0
10°-20°	711.9	5.9
20°-30°	1115.2	9.3
30°-40°	1375.7	11.4
40°-50°	1295.2	10.7
50°-60°	917.1	7.6
60°-70°	522.6	4.3
70°-80°	258.7	2.1
80°-90°	71.1	0.6
90°-100°	151.1	1.3
100°-110°	440.5	3.7
110°-120°	719.0	6.0
120°-130°	912.3	7.6
130°-140°	976.2	8.1
140°-150°	911.5	7.6
150°-160°	750.1	6.2
160°-170°	503.1	4.2
170°-180°	178.6	1.5
0°-30°	2073.1	17.2
0°-40°	3448.8	28.6
0°-60°	5661.0	47.0
0°-90°	6513.4	54.0
90°-120°	1310.6	10.9
90°-150°	4110.6	34.1
90°-180°	5542.0	46.0
0°-180°	12055.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2583	2583	2583	2583	2583	
5°	2553	2600	2553	2600	2553	243
15°	2482	2545	2482	2545	2482	699
25°	2299	2564	2299	2564	2299	1059
35°	2037	2370	2037	2370	2037	1270
45°	1660	1439	1660	1439	1660	1278
55°	1204	699	1204	699	1204	1062
65°	644	363	644	363	644	647
75°	278	199	278	199	278	302
85°	63	33	63	33	63	74
90°	6	42	6	82	6	7
95°	59	44	59	259	59	72
105°	280	449	280	617	280	298
115°	537	744	537	916	537	529
125°	794	1179	794	1124	794	710
135°	1080	1544	1080	1244	1080	834
145°	1379	1779	1379	1271	1379	863
155°	1637	1933	1637	1319	1637	753
165°	1810	2015	1810	1519	1810	510
175°	1892	1973	1892	1781	1892	180
180°	1898	1898	1898	1898	1898	



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CATALOG NUMBER: SQ2W-PP3-K-125U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2583.1	2583.1	2583.1	2583.1	2583.1	2583.1	2583.1	2583.1	2583.1	2583.1	2583.1
2.5°	2563.5	2580.0	2596.5	2592.6	2581.9	2577.5	2579.5	2581.4	2583.4	2585.3	2583.4
5°	2553.1	2573.7	2594.3	2591.3	2580.4	2576.1	2578.6	2582.5	2591.0	2599.5	2591.0
7.5°	2543.2	2564.4	2585.5	2582.8	2572.1	2568.8	2572.9	2578.6	2589.1	2599.5	2589.1
10°	2536.7	2554.9	2573.1	2570.4	2560.7	2558.8	2564.9	2571.6	2580.1	2588.6	2580.1
12.5°	2517.0	2534.3	2551.5	2549.3	2540.5	2540.2	2548.2	2556.1	2563.6	2571.1	2563.6
15°	2482.1	2497.9	2513.6	2513.9	2509.1	2512.1	2523.0	2532.8	2538.8	2544.9	2538.8
17.5°	2434.6	2453.7	2472.9	2477.4	2476.9	2484.4	2499.9	2513.2	2519.5	2525.8	2519.5
20°	2397.4	2420.5	2443.6	2451.1	2453.6	2464.5	2483.9	2501.5	2513.6	2525.8	2513.6
22.5°	2358.1	2385.1	2412.0	2422.0	2426.4	2443.1	2472.3	2499.3	2520.2	2541.1	2520.2
25°	2299.1	2325.8	2352.5	2372.0	2388.9	2418.7	2461.1	2500.9	2532.4	2564.0	2532.4
27.5°	2230.3	2256.8	2283.2	2316.6	2352.3	2394.0	2441.9	2484.0	2509.0	2534.0	2509.0
30°	2184.5	2209.9	2235.4	2273.7	2316.1	2362.2	2412.0	2455.1	2478.1	2501.2	2478.1
32.5°	2127.7	2154.1	2180.6	2221.2	2266.6	2316.1	2369.8	2415.3	2436.4	2457.5	2436.4
35°	2037.0	2062.5	2088.0	2135.3	2189.9	2245.1	2301.0	2345.9	2358.0	2370.1	2358.0
37.5°	1932.7	1961.6	1990.5	2043.6	2104.7	2151.0	2182.3	2205.9	2206.7	2207.4	2206.7
40°	1854.1	1891.7	1929.3	1982.4	2040.6	2072.8	2078.9	2079.5	2063.7	2047.9	2063.7
42.5°	1777.6	1825.9	1874.2	1916.9	1957.6	1966.0	1942.0	1906.4	1836.3	1766.1	1836.3
45°	1660.2	1717.2	1774.3	1800.4	1816.1	1762.7	1640.2	1536.1	1487.6	1439.0	1487.6
47.5°	1535.1	1591.4	1647.7	1640.5	1612.1	1531.3	1398.0	1289.7	1256.2	1222.7	1256.2
50°	1449.9	1503.3	1556.7	1518.2	1449.0	1358.0	1245.1	1152.6	1121.0	1089.5	1121.0
52.5°	1353.8	1401.4	1449.0	1390.8	1297.3	1201.4	1103.1	1017.4	969.4	921.3	969.4
55°	1204.2	1236.9	1269.7	1206.0	1110.1	1004.5	889.3	791.3	745.1	699.0	745.1
57.5°	1024.0	1047.0	1070.1	1020.0	945.4	840.5	705.0	590.5	538.8	487.1	538.8
60°	903.8	922.0	940.2	894.7	828.0	727.8	594.4	487.9	462.4	436.9	462.4
62.5°	794.6	810.9	827.1	779.7	711.0	621.5	511.3	426.5	417.5	408.5	417.5
65°	644.4	660.2	676.0	626.2	554.6	484.8	416.9	365.6	364.4	363.2	364.4
67.5°	512.8	530.0	547.3	500.4	432.2	380.6	345.7	319.1	317.7	316.2	317.7
70°	434.2	452.4	470.6	426.9	362.6	320.7	301.3	286.1	283.7	281.2	283.7
72.5°	368.6	385.9	403.1	365.0	308.4	273.8	261.2	251.4	249.9	248.5	249.9
75°	278.5	291.9	305.2	277.6	236.3	212.7	206.6	201.8	200.5	199.3	200.5
77.5°	202.1	210.6	219.1	201.0	174.0	159.0	155.8	153.2	151.9	150.7	151.9
80°	158.4	162.0	165.7	152.9	134.7	125.0	123.8	122.6	121.4	120.1	121.4
82.5°	119.1	117.8	116.6	109.2	99.8	94.4	93.2	91.7	89.6	87.4	89.6
85°	62.8	60.4	57.9	55.5	53.1	49.5	44.6	40.0	36.4	32.8	36.4
87.5°	20.8	22.3	24.3	22.2	18.5	15.9	15.0	14.6	15.0	15.0	15.0
90°	5.8	13.4	23.0	30.7	36.4	38.3	38.3	40.3	42.2	42.2	42.2
92.5°	21.1	33.4	33.7	33.7	41.0	44.5	47.6	47.9	49.9	49.9	49.9
95°	59.4	65.2	97.8	95.9	65.2	51.8	44.1	44.1	44.1	44.1	44.1
97.5°	113.5	121.9	127.3	170.6	180.2	174.1	141.9	119.3	106.6	100.9	106.6
100°	161.1	164.9	176.4	178.3	226.2	272.3	249.3	220.5	210.9	205.2	210.9
102.5°	208.6	210.9	228.5	236.6	247.7	273.8	353.6	344.7	338.2	337.1	338.2
105°	279.9	281.9	314.4	329.8	337.5	337.5	335.5	373.9	435.2	448.7	435.2
107.5°	356.2	365.1	403.4	444.4	453.3	455.6	445.6	439.8	437.5	439.1	437.5
110°	408.4	421.8	467.8	519.6	533.0	536.9	533.0	527.3	523.4	523.4	523.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	459.0	478.6	530.7	590.2	612.8	624.3	615.9	611.6	607.8	610.9	607.8
115°	536.9	565.6	634.6	696.0	742.0	747.8	745.9	745.9	743.9	743.9	743.9
117.5°	609.0	655.0	732.4	803.8	857.1	872.4	880.1	877.8	875.5	879.3	875.5
120°	659.6	713.3	801.5	882.0	933.8	956.8	964.4	960.6	964.4	960.6	964.4
122.5°	713.3	779.2	865.9	949.5	1010.5	1036.5	1045.7	1046.5	1047.3	1045.0	1047.3
125°	793.8	874.3	975.9	1062.2	1125.5	1156.2	1163.8	1165.8	1169.6	1179.2	1169.6
127.5°	875.1	966.4	1077.9	1161.2	1226.0	1263.2	1275.0	1279.3	1287.3	1291.5	1287.3
130°	931.8	1035.4	1148.5	1227.1	1290.4	1330.7	1351.7	1357.5	1367.1	1365.2	1367.1
132.5°	991.7	1099.8	1214.5	1296.1	1354.8	1398.1	1416.2	1432.7	1436.1	1438.8	1436.1
135°	1079.5	1196.4	1311.5	1392.0	1447.6	1489.8	1512.8	1528.1	1537.7	1543.5	1537.7
137.5°	1171.9	1295.4	1405.8	1477.5	1533.5	1569.9	1596.0	1612.1	1622.1	1626.7	1622.1
140°	1234.8	1353.7	1461.0	1535.8	1585.7	1622.1	1645.1	1664.3	1675.8	1675.8	1675.8
142.5°	1294.6	1411.9	1516.3	1591.0	1634.7	1668.1	1692.6	1707.2	1720.3	1720.3	1720.3
145°	1378.6	1495.5	1591.4	1666.2	1702.6	1733.3	1760.1	1771.6	1779.3	1779.3	1779.3
147.5°	1466.4	1569.9	1657.4	1729.1	1759.8	1795.8	1816.9	1826.1	1835.7	1831.5	1835.7
150°	1518.6	1614.4	1698.8	1765.9	1796.6	1831.1	1852.2	1859.8	1869.4	1863.7	1869.4
152.5°	1569.2	1660.4	1737.1	1799.6	1825.7	1860.2	1884.4	1892.1	1898.6	1894.4	1898.6
155°	1637.4	1718.0	1788.9	1846.4	1869.4	1902.0	1925.0	1934.6	1942.3	1932.7	1942.3
157.5°	1698.4	1767.8	1829.5	1882.5	1907.0	1935.0	1956.5	1968.4	1976.0	1971.8	1976.0
160°	1735.2	1798.5	1854.1	1903.9	1927.0	1951.9	1974.9	1988.3	1996.0	1990.2	1996.0
162.5°	1765.9	1823.0	1875.6	1920.8	1940.8	1962.6	1990.2	2002.1	2009.8	2002.5	2009.8
165°	1810.0	1856.0	1902.0	1940.4	1957.6	1974.9	2003.6	2017.1	2022.8	2015.1	2022.8
167.5°	1843.4	1878.6	1915.8	1948.8	1961.5	1978.3	2007.1	2018.2	2025.5	2015.9	2025.5
170°	1861.8	1892.4	1925.0	1951.9	1961.5	1976.8	2005.6	2015.1	2020.9	2011.3	2020.9
172.5°	1877.1	1900.1	1926.6	1950.3	1955.3	1967.6	1994.8	2004.4	2008.6	2000.6	2008.6
175°	1892.4	1905.9	1925.0	1940.4	1938.5	1946.1	1969.1	1976.8	1984.5	1973.0	1984.5
177.5°	1899.7	1905.9	1912.0	1921.2	1915.1	1915.1	1931.9	1936.5	1938.1	1931.9	1938.1
180°	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2583.1	2583.1	2583.1	2583.1	2583.1	2583.1	2583.1	2583.1	2583.1	2583.1	2583.1
2.5°	2581.4	2579.5	2577.5	2581.9	2592.6	2596.5	2580.0	2563.5	2580.0	2596.5	2592.6
5°	2582.5	2578.6	2576.1	2580.4	2591.3	2594.3	2573.7	2553.1	2573.7	2594.3	2591.3
7.5°	2578.6	2572.9	2568.8	2572.1	2582.8	2585.5	2564.4	2543.2	2564.4	2585.5	2582.8
10°	2571.6	2564.9	2558.8	2560.7	2570.4	2573.1	2554.9	2536.7	2554.9	2573.1	2570.4
12.5°	2556.1	2548.2	2540.2	2540.5	2549.3	2551.5	2534.3	2517.0	2534.3	2551.5	2549.3
15°	2532.8	2523.0	2512.1	2509.1	2513.9	2513.6	2497.9	2482.1	2497.9	2513.6	2513.9
17.5°	2513.2	2499.9	2484.4	2476.9	2477.4	2472.9	2453.7	2434.6	2453.7	2472.9	2477.4
20°	2501.5	2483.9	2464.5	2453.6	2451.1	2443.6	2420.5	2397.4	2420.5	2443.6	2451.1
22.5°	2499.3	2472.3	2443.1	2426.4	2422.0	2412.0	2385.1	2358.1	2385.1	2412.0	2422.0
25°	2500.9	2461.1	2418.7	2388.9	2372.0	2352.5	2325.8	2299.1	2325.8	2352.5	2372.0
27.5°	2484.0	2441.9	2394.0	2352.3	2316.6	2283.2	2256.8	2230.3	2256.8	2283.2	2316.6
30°	2455.1	2412.0	2362.2	2316.1	2273.7	2235.4	2209.9	2184.5	2209.9	2235.4	2273.7
32.5°	2415.3	2369.8	2316.1	2266.6	2221.2	2180.6	2154.1	2127.7	2154.1	2180.6	2221.2
35°	2345.9	2301.0	2245.1	2189.9	2135.3	2088.0	2062.5	2037.0	2062.5	2088.0	2135.3
37.5°	2205.9	2182.3	2151.0	2104.7	2043.6	1990.5	1961.6	1932.7	1961.6	1990.5	2043.6
40°	2079.5	2078.9	2072.8	2040.6	1982.4	1929.3	1891.7	1854.1	1891.7	1929.3	1982.4
42.5°	1906.4	1942.0	1966.0	1957.6	1916.9	1874.2	1825.9	1777.6	1825.9	1874.2	1916.9
45°	1536.1	1640.2	1762.7	1816.1	1800.4	1774.3	1717.2	1660.2	1717.2	1774.3	1800.4
47.5°	1289.7	1398.0	1531.3	1612.1	1640.5	1647.7	1591.4	1535.1	1591.4	1647.7	1640.5
50°	1152.6	1245.1	1358.0	1449.0	1518.2	1556.7	1503.3	1449.9	1503.3	1556.7	1518.2
52.5°	1017.4	1103.1	1201.4	1297.3	1390.8	1449.0	1401.4	1353.8	1401.4	1449.0	1390.8
55°	791.3	889.3	1004.5	1110.1	1206.0	1269.7	1236.9	1204.2	1236.9	1269.7	1206.0
57.5°	590.5	705.0	840.5	945.4	1020.0	1070.1	1047.0	1024.0	1047.0	1070.1	1020.0
60°	487.9	594.4	727.8	828.0	894.7	940.2	922.0	903.8	922.0	940.2	894.7
62.5°	426.5	511.3	621.5	711.0	779.7	827.1	810.9	794.6	810.9	827.1	779.7
65°	365.6	416.9	484.8	554.6	626.2	676.0	660.2	644.4	660.2	676.0	626.2
67.5°	319.1	345.7	380.6	432.2	500.4	547.3	530.0	512.8	530.0	547.3	500.4
70°	286.1	301.3	320.7	362.6	426.9	470.6	452.4	434.2	452.4	470.6	426.9
72.5°	251.4	261.2	273.8	308.4	365.0	403.1	385.9	368.6	385.9	403.1	365.0
75°	201.8	206.6	212.7	236.3	277.6	305.2	291.9	278.5	291.9	305.2	277.6
77.5°	153.2	155.8	159.0	174.0	201.0	219.1	210.6	202.1	210.6	219.1	201.0
80°	122.6	123.8	125.0	134.7	152.9	165.7	162.0	158.4	162.0	165.7	152.9
82.5°	91.7	93.2	94.4	99.8	109.2	116.6	117.8	119.1	117.8	116.6	109.2
85°	40.0	44.6	49.5	53.1	55.5	57.9	60.4	62.8	60.4	57.9	55.5
87.5°	14.6	15.0	15.9	18.5	22.2	24.3	22.3	20.8	22.3	23.9	22.9
90°	40.3	38.3	38.3	36.4	30.7	23.0	13.4	5.8	13.4	21.1	34.5
92.5°	47.9	47.6	44.5	41.0	33.7	33.7	33.4	21.1	36.4	51.8	74.4
95°	44.1	44.1	51.8	65.2	95.9	97.8	65.2	59.4	84.4	118.9	149.6
97.5°	119.3	141.9	174.1	180.2	170.6	127.3	121.9	113.5	154.5	188.7	238.1
100°	220.5	249.3	272.3	226.2	178.3	176.4	164.9	161.1	205.2	237.8	285.7
102.5°	344.7	353.6	273.8	247.7	236.6	228.5	210.9	208.6	252.7	297.6	337.8
105°	373.9	335.5	337.5	337.5	329.8	314.4	281.9	279.9	329.8	381.6	431.4
107.5°	439.8	445.6	455.6	453.3	444.4	403.4	365.1	356.2	401.1	463.2	518.1
110°	527.3	533.0	536.9	533.0	519.6	467.8	421.8	408.4	448.7	513.9	573.3



TEST NUMBER: P1428125

CATALOG NUMBER: SQ2W-PP3-K-125U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	611.6	615.9	624.3	612.8	590.2	530.7	478.6	459.0	499.3	566.0	627.0
115°	745.9	745.9	747.8	742.0	696.0	634.6	565.6	536.9	571.4	632.7	699.8
117.5°	877.8	880.1	872.4	857.1	803.8	732.4	655.0	609.0	636.2	701.0	770.0
120°	960.6	964.4	956.8	933.8	882.0	801.5	713.3	659.6	680.7	743.9	813.0
122.5°	1046.5	1045.7	1036.5	1010.5	949.5	865.9	779.2	713.3	722.1	780.8	848.2
125°	1165.8	1163.8	1156.2	1125.5	1062.2	975.9	874.3	793.8	782.3	832.1	901.2
127.5°	1279.3	1275.0	1263.2	1226.0	1161.2	1077.9	966.4	875.1	849.4	880.8	944.1
130°	1357.5	1351.7	1330.7	1290.4	1227.1	1148.5	1035.4	931.8	895.4	914.6	970.2
132.5°	1432.7	1416.2	1398.1	1354.8	1296.1	1214.5	1099.8	991.7	941.4	949.9	993.2
135°	1528.1	1512.8	1489.8	1447.6	1392.0	1311.5	1196.4	1079.5	1010.5	1002.8	1027.7
137.5°	1612.1	1596.0	1569.9	1533.5	1477.5	1405.8	1295.4	1171.9	1084.8	1059.2	1068.7
140°	1664.3	1645.1	1622.1	1585.7	1535.8	1461.0	1353.7	1234.8	1137.0	1100.6	1094.8
142.5°	1707.2	1692.6	1668.1	1634.7	1591.0	1516.3	1411.9	1294.6	1190.7	1143.5	1130.1
145°	1771.6	1760.1	1733.3	1702.6	1666.2	1591.4	1495.5	1378.6	1275.0	1213.7	1184.9
147.5°	1826.1	1816.9	1795.8	1759.8	1729.1	1657.4	1569.9	1466.4	1360.2	1284.3	1247.1
150°	1859.8	1852.2	1831.1	1796.6	1765.9	1698.8	1614.4	1518.6	1416.9	1336.4	1288.5
152.5°	1892.1	1884.4	1860.2	1825.7	1799.6	1737.1	1660.4	1569.2	1466.0	1385.5	1336.0
155°	1934.6	1925.0	1902.0	1869.4	1846.4	1788.9	1718.0	1637.4	1549.2	1464.9	1409.3
157.5°	1968.4	1956.5	1935.0	1907.0	1882.5	1829.5	1767.8	1698.4	1621.3	1540.8	1484.0
160°	1988.3	1974.9	1951.9	1927.0	1903.9	1854.1	1798.5	1735.2	1664.3	1591.4	1530.1
162.5°	2002.1	1990.2	1962.6	1940.8	1920.8	1875.6	1823.0	1765.9	1702.6	1639.0	1582.2
165°	2017.1	2003.6	1974.9	1957.6	1940.4	1902.0	1856.0	1810.0	1756.3	1704.5	1658.5
167.5°	2018.2	2007.1	1978.3	1961.5	1948.8	1915.8	1878.6	1843.4	1801.6	1760.9	1722.6
170°	2015.1	2005.6	1976.8	1961.5	1951.9	1925.0	1892.4	1861.8	1829.2	1794.7	1764.0
172.5°	2004.4	1994.8	1967.6	1955.3	1950.3	1926.6	1900.1	1877.1	1849.1	1823.8	1799.3
175°	1976.8	1969.1	1946.1	1938.5	1940.4	1925.0	1905.9	1892.4	1875.2	1859.8	1846.4
177.5°	1936.5	1931.9	1915.1	1915.1	1921.2	1912.0	1905.9	1899.7	1892.1	1887.5	1882.9
180°	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2



TEST NUMBER: P1428125

CATALOG NUMBER: SQ2W-PP3-K-125U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2583.1	2583.1	2583.1	2583.1	2583.1	2583.1	2583.1	2583.1	2583.1	2583.1	2583.1
2.5°	2581.9	2577.5	2579.5	2581.4	2583.4	2585.3	2583.4	2581.4	2579.5	2577.5	2581.9
5°	2580.4	2576.1	2578.6	2582.5	2591.0	2599.5	2591.0	2582.5	2578.6	2576.1	2580.4
7.5°	2572.1	2568.8	2572.9	2578.6	2589.1	2599.5	2589.1	2578.6	2572.9	2568.8	2572.1
10°	2560.7	2558.8	2564.9	2571.6	2580.1	2588.6	2580.1	2571.6	2564.9	2558.8	2560.7
12.5°	2540.5	2540.2	2548.2	2556.1	2563.6	2571.1	2563.6	2556.1	2548.2	2540.2	2540.5
15°	2509.1	2512.1	2523.0	2532.8	2538.8	2544.9	2538.8	2532.8	2523.0	2512.1	2509.1
17.5°	2476.9	2484.4	2499.9	2513.2	2519.5	2525.8	2519.5	2513.2	2499.9	2484.4	2476.9
20°	2453.6	2464.5	2483.9	2501.5	2513.6	2525.8	2513.6	2501.5	2483.9	2464.5	2453.6
22.5°	2426.4	2443.1	2472.3	2499.3	2520.2	2541.1	2520.2	2499.3	2472.3	2443.1	2426.4
25°	2388.9	2418.7	2461.1	2500.9	2532.4	2564.0	2532.4	2500.9	2461.1	2418.7	2388.9
27.5°	2352.3	2394.0	2441.9	2484.0	2509.0	2534.0	2509.0	2484.0	2441.9	2394.0	2352.3
30°	2316.1	2362.2	2412.0	2455.1	2478.1	2501.2	2478.1	2455.1	2412.0	2362.2	2316.1
32.5°	2266.6	2316.1	2369.8	2415.3	2436.4	2457.5	2436.4	2415.3	2369.8	2316.1	2266.6
35°	2189.9	2245.1	2301.0	2345.9	2358.0	2370.1	2358.0	2345.9	2301.0	2245.1	2189.9
37.5°	2104.7	2151.0	2182.3	2205.9	2206.7	2207.4	2206.7	2205.9	2182.3	2151.0	2104.7
40°	2040.6	2072.8	2078.9	2079.5	2063.7	2047.9	2063.7	2079.5	2078.9	2072.8	2040.6
42.5°	1957.6	1966.0	1942.0	1906.4	1836.3	1766.1	1836.3	1906.4	1942.0	1966.0	1957.6
45°	1816.1	1762.7	1640.2	1536.1	1487.6	1439.0	1487.6	1536.1	1640.2	1762.7	1816.1
47.5°	1612.1	1531.3	1398.0	1289.7	1256.2	1222.7	1256.2	1289.7	1398.0	1531.3	1612.1
50°	1449.0	1358.0	1245.1	1152.6	1121.0	1089.5	1121.0	1152.6	1245.1	1358.0	1449.0
52.5°	1297.3	1201.4	1103.1	1017.4	969.4	921.3	969.4	1017.4	1103.1	1201.4	1297.3
55°	1110.1	1004.5	889.3	791.3	745.1	699.0	745.1	791.3	889.3	1004.5	1110.1
57.5°	945.4	840.5	705.0	590.5	538.8	487.1	538.8	590.5	705.0	840.5	945.4
60°	828.0	727.8	594.4	487.9	462.4	436.9	462.4	487.9	594.4	727.8	828.0
62.5°	711.0	621.5	511.3	426.5	417.5	408.5	417.5	426.5	511.3	621.5	711.0
65°	554.6	484.8	416.9	365.6	364.4	363.2	364.4	365.6	416.9	484.8	554.6
67.5°	432.2	380.6	345.7	319.1	317.7	316.2	317.7	319.1	345.7	380.6	432.2
70°	362.6	320.7	301.3	286.1	283.7	281.2	283.7	286.1	301.3	320.7	362.6
72.5°	308.4	273.8	261.2	251.4	249.9	248.5	249.9	251.4	261.2	273.8	308.4
75°	236.3	212.7	206.6	201.8	200.5	199.3	200.5	201.8	206.6	212.7	236.3
77.5°	174.0	159.0	155.8	153.2	151.9	150.7	151.9	153.2	155.8	159.0	174.0
80°	134.7	125.0	123.8	122.6	121.4	120.1	121.4	122.6	123.8	125.0	134.7
82.5°	99.8	94.4	93.2	91.7	89.6	87.4	89.6	91.7	93.2	94.4	99.8
85°	53.1	49.5	44.6	40.0	36.4	32.8	36.4	40.0	44.6	49.5	53.1
87.5°	20.0	19.8	21.5	22.3	23.8	23.0	23.8	22.3	21.5	19.8	20.0
90°	44.1	57.5	70.9	78.6	86.3	82.4	86.3	78.6	70.9	57.5	44.1
92.5°	88.6	111.2	127.7	141.5	147.6	146.9	147.6	141.5	127.7	111.2	88.6
95°	178.3	205.2	232.0	251.2	262.7	258.8	262.7	251.2	232.0	205.2	178.3
97.5°	275.0	311.0	340.9	358.9	370.4	378.1	370.4	358.9	340.9	311.0	275.0
100°	339.4	373.9	408.4	429.5	448.7	456.3	448.7	429.5	408.4	373.9	339.4
102.5°	391.5	436.8	474.4	497.0	513.1	520.8	513.1	497.0	474.4	436.8	391.5
105°	477.4	525.4	565.6	594.4	611.6	617.4	611.6	594.4	565.6	525.4	477.4
107.5°	563.3	612.8	650.0	681.8	702.9	715.2	702.9	681.8	650.0	612.8	563.3
110°	630.8	671.1	711.3	740.1	761.2	768.9	761.2	740.1	711.3	671.1	630.8



TEST NUMBER: P1428125

CATALOG NUMBER: SQ2W-PP3-K-125U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	687.6	732.4	772.7	801.5	825.6	836.4	825.6	801.5	772.7	732.4	687.6
115°	766.9	826.4	862.8	889.7	906.9	916.5	906.9	889.7	862.8	826.4	766.9
117.5°	832.9	895.0	934.9	955.6	963.7	970.6	963.7	955.6	934.9	895.0	832.9
120°	874.3	931.8	977.9	1004.7	1014.3	1018.1	1014.3	1004.7	977.9	931.8	874.3
122.5°	912.7	967.1	1011.6	1044.6	1060.3	1064.1	1060.3	1044.6	1011.6	967.1	912.7
125°	966.4	1018.1	1064.1	1096.7	1114.0	1123.6	1114.0	1096.7	1064.1	1018.1	966.4
127.5°	1013.1	1069.1	1111.3	1140.8	1157.7	1165.4	1157.7	1140.8	1111.3	1069.1	1013.1
130°	1039.2	1096.7	1138.9	1171.5	1186.8	1194.5	1186.8	1171.5	1138.9	1096.7	1039.2
132.5°	1059.2	1119.7	1163.5	1193.0	1209.9	1217.5	1209.9	1193.0	1163.5	1119.7	1059.2
135°	1083.3	1146.6	1192.6	1221.4	1236.7	1244.4	1236.7	1221.4	1192.6	1146.6	1083.3
137.5°	1104.4	1161.9	1209.9	1240.2	1254.0	1258.9	1254.0	1240.2	1209.9	1161.9	1104.4
140°	1119.7	1169.6	1217.5	1246.3	1261.6	1263.5	1261.6	1246.3	1217.5	1169.6	1119.7
142.5°	1139.7	1178.8	1220.6	1249.4	1264.7	1268.1	1264.7	1249.4	1220.6	1178.8	1139.7
145°	1175.3	1198.4	1227.1	1254.0	1267.4	1271.2	1267.4	1254.0	1227.1	1198.4	1175.3
147.5°	1220.2	1227.5	1242.5	1260.1	1273.1	1275.8	1273.1	1260.1	1242.5	1227.5	1220.2
150°	1254.0	1252.0	1257.8	1269.3	1280.8	1278.9	1280.8	1269.3	1257.8	1252.0	1254.0
152.5°	1292.3	1281.2	1280.8	1286.2	1291.5	1291.2	1291.5	1286.2	1280.8	1281.2	1292.3
155°	1357.5	1336.4	1324.9	1321.1	1321.1	1319.1	1321.1	1321.1	1324.9	1336.4	1357.5
157.5°	1429.2	1399.7	1382.4	1373.2	1370.5	1366.3	1370.5	1373.2	1382.4	1399.7	1429.2
160°	1478.3	1445.7	1428.4	1413.1	1407.3	1401.6	1407.3	1413.1	1428.4	1445.7	1478.3
162.5°	1524.3	1493.2	1474.5	1460.6	1454.9	1446.1	1454.9	1460.6	1474.5	1493.2	1524.3
165°	1599.1	1566.5	1545.4	1533.9	1526.2	1518.6	1526.2	1533.9	1545.4	1566.5	1599.1
167.5°	1673.9	1638.2	1624.4	1611.4	1604.1	1590.3	1604.1	1611.4	1624.4	1638.2	1673.9
170°	1719.9	1687.3	1679.6	1668.1	1654.7	1639.3	1654.7	1668.1	1679.6	1687.3	1719.9
172.5°	1759.8	1737.9	1730.2	1718.7	1714.5	1702.2	1714.5	1718.7	1730.2	1737.9	1759.8
175°	1817.7	1800.4	1800.4	1798.5	1792.7	1781.2	1792.7	1798.5	1800.4	1800.4	1817.7
177.5°	1866.0	1856.8	1862.9	1862.9	1861.4	1850.6	1861.4	1862.9	1862.9	1856.8	1866.0
180°	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2	1898.2



TEST NUMBER: P1428125

CATALOG NUMBER: SQ2W-PP3-K-125U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2583.1	2583.1	2583.1	2583.1
2.5°	2592.6	2596.5	2580.0	2563.5
5°	2591.3	2594.3	2573.7	2553.1
7.5°	2582.8	2585.5	2564.4	2543.2
10°	2570.4	2573.1	2554.9	2536.7
12.5°	2549.3	2551.5	2534.3	2517.0
15°	2513.9	2513.6	2497.9	2482.1
17.5°	2477.4	2472.9	2453.7	2434.6
20°	2451.1	2443.6	2420.5	2397.4
22.5°	2422.0	2412.0	2385.1	2358.1
25°	2372.0	2352.5	2325.8	2299.1
27.5°	2316.6	2283.2	2256.8	2230.3
30°	2273.7	2235.4	2209.9	2184.5
32.5°	2221.2	2180.6	2154.1	2127.7
35°	2135.3	2088.0	2062.5	2037.0
37.5°	2043.6	1990.5	1961.6	1932.7
40°	1982.4	1929.3	1891.7	1854.1
42.5°	1916.9	1874.2	1825.9	1777.6
45°	1800.4	1774.3	1717.2	1660.2
47.5°	1640.5	1647.7	1591.4	1535.1
50°	1518.2	1556.7	1503.3	1449.9
52.5°	1390.8	1449.0	1401.4	1353.8
55°	1206.0	1269.7	1236.9	1204.2
57.5°	1020.0	1070.1	1047.0	1024.0
60°	894.7	940.2	922.0	903.8
62.5°	779.7	827.1	810.9	794.6
65°	626.2	676.0	660.2	644.4
67.5°	500.4	547.3	530.0	512.8
70°	426.9	470.6	452.4	434.2
72.5°	365.0	403.1	385.9	368.6
75°	277.6	305.2	291.9	278.5
77.5°	201.0	219.1	210.6	202.1
80°	152.9	165.7	162.0	158.4
82.5°	109.2	116.6	117.8	119.1
85°	55.5	57.9	60.4	62.8
87.5°	22.9	23.9	22.3	20.8
90°	34.5	21.1	13.4	5.8
92.5°	74.4	51.8	36.4	21.1
95°	149.6	118.9	84.4	59.4
97.5°	238.1	188.7	154.5	113.5
100°	285.7	237.8	205.2	161.1
102.5°	337.8	297.6	252.7	208.6
105°	431.4	381.6	329.8	279.9
107.5°	518.1	463.2	401.1	356.2
110°	573.3	513.9	448.7	408.4



TEST NUMBER: P1428125

CATALOG NUMBER: SQ2W-PP3-K-125U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	627.0	566.0	499.3	459.0
115°	699.8	632.7	571.4	536.9
117.5°	770.0	701.0	636.2	609.0
120°	813.0	743.9	680.7	659.6
122.5°	848.2	780.8	722.1	713.3
125°	901.2	832.1	782.3	793.8
127.5°	944.1	880.8	849.4	875.1
130°	970.2	914.6	895.4	931.8
132.5°	993.2	949.9	941.4	991.7
135°	1027.7	1002.8	1010.5	1079.5
137.5°	1068.7	1059.2	1084.8	1171.9
140°	1094.8	1100.6	1137.0	1234.8
142.5°	1130.1	1143.5	1190.7	1294.6
145°	1184.9	1213.7	1275.0	1378.6
147.5°	1247.1	1284.3	1360.2	1466.4
150°	1288.5	1336.4	1416.9	1518.6
152.5°	1336.0	1385.5	1466.0	1569.2
155°	1409.3	1464.9	1549.2	1637.4
157.5°	1484.0	1540.8	1621.3	1698.4
160°	1530.1	1591.4	1664.3	1735.2
162.5°	1582.2	1639.0	1702.6	1765.9
165°	1658.5	1704.5	1756.3	1810.0
167.5°	1722.6	1760.9	1801.6	1843.4
170°	1764.0	1794.7	1829.2	1861.8
172.5°	1799.3	1823.8	1849.1	1877.1
175°	1846.4	1859.8	1875.2	1892.4
177.5°	1882.9	1887.5	1892.1	1899.7
180°	1898.2	1898.2	1898.2	1898.2



TEST NUMBER: P1428125
 CATALOG NUMBER: SQ2W-PP3-K-125U-125D-L830-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	20.78	21.65	21.71	22.59	23.80	16.55	17.42	17.48	18.36	19.58
	3H	21.84	22.62	22.79	23.57	24.81	17.86	18.64	18.81	19.59	20.83
	4H	22.21	22.94	23.17	23.90	25.15	18.42	19.15	19.38	20.11	21.35
	6H	22.41	23.08	23.37	24.04	25.30	18.79	19.46	19.75	20.42	21.68
	8H	22.47	23.11	23.44	24.08	25.34	18.91	19.55	19.89	20.53	21.79
	12H	22.49	23.10	23.47	24.07	25.35	18.95	19.56	19.93	20.53	21.81
4H	2H	20.90	21.63	21.86	22.59	23.84	17.46	18.19	18.42	19.15	20.40
	3H	22.20	22.80	23.17	23.79	25.05	18.89	19.49	19.86	20.48	21.74
	4H	22.71	23.26	23.69	24.24	25.52	19.51	20.06	20.49	21.04	22.33
	6H	23.02	23.49	24.01	24.50	25.78	19.96	20.43	20.95	21.43	22.72
	8H	23.13	23.57	24.12	24.57	25.87	20.12	20.57	21.12	21.56	22.86
	12H	23.18	23.57	24.19	24.59	25.89	20.18	20.57	21.19	21.59	22.89
8H	4H	22.73	23.17	23.72	24.16	25.46	19.82	20.26	20.81	21.26	22.56
	6H	23.14	23.50	24.16	24.54	25.84	20.38	20.74	21.40	21.78	23.08
	8H	23.32	23.64	24.34	24.67	25.98	20.63	20.95	21.65	21.97	23.29
	12H	23.42	23.70	24.44	24.72	26.08	20.73	21.01	21.75	22.03	23.39
12H	4H	22.68	23.08	23.70	24.10	25.40	19.83	20.23	20.84	21.24	22.55
	6H	23.13	23.45	24.16	24.48	25.79	20.44	20.77	21.47	21.79	23.11
	8H	23.33	23.61	24.36	24.63	25.99	20.72	21.00	21.75	22.02	23.38