

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: P1428462

Luminaire Tested: SQ2W-PW1-K-125U-125D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428462
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PW1-K-125U-125D-L835-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE WAVES LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

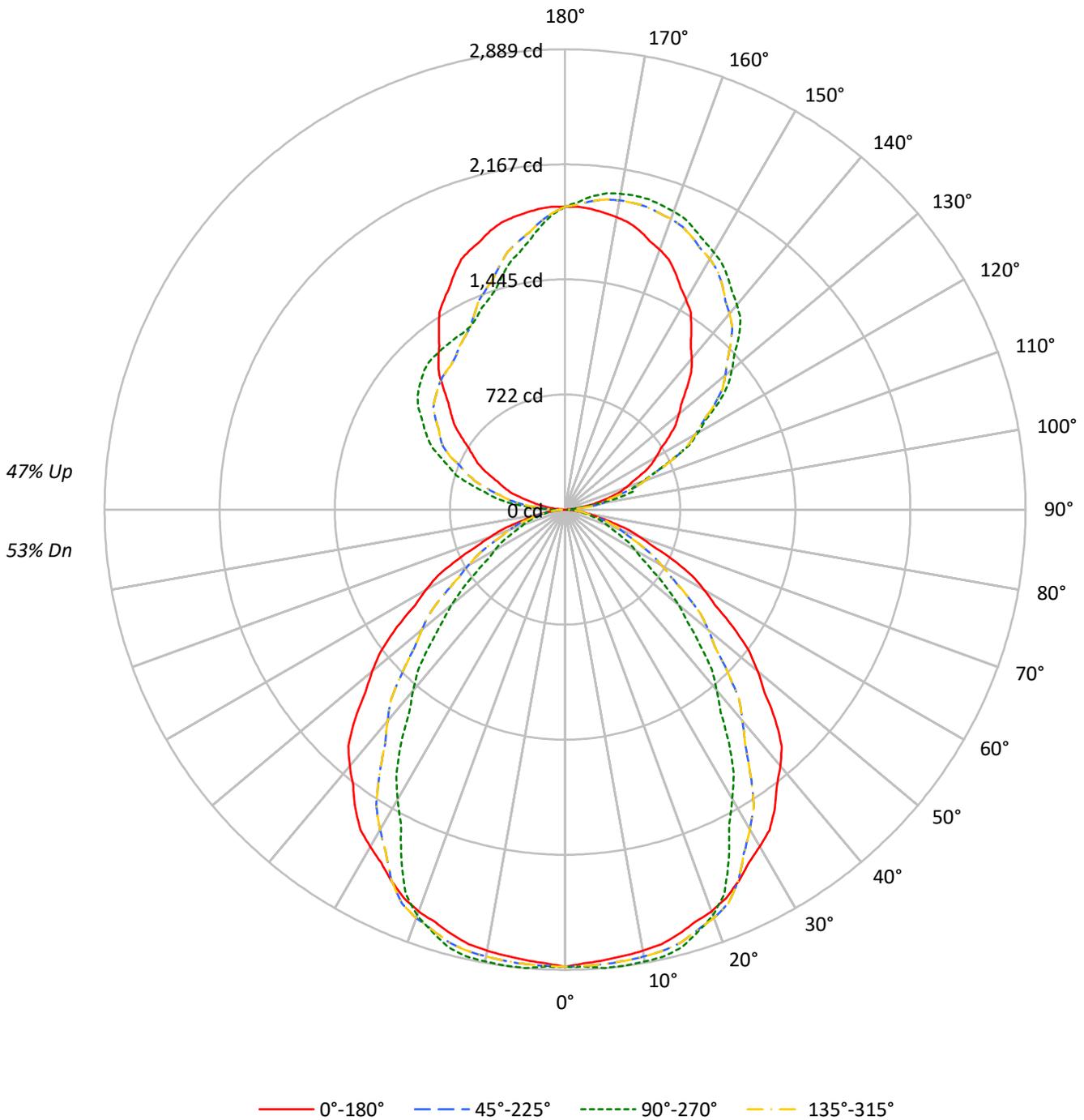
Lumens per Lamp: N/A
Luminaire Lumens: 11922.9 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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

TEST NUMBER: P1428462

CATALOG NUMBER: SQ2W-PW1-K-125U-125D-L835-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1428462

CATALOG NUMBER: SQ2W-PW1-K-125U-125D-L835-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	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	53				53
1	99	95	91	88	92	88	85	82	76	73	71	64	62	61	53	52	51	46				46
2	91	84	78	73	84	78	73	69	67	63	60	57	54	52	48	46	44	40				40
3	83	74	67	61	77	69	63	58	60	55	51	51	47	45	43	40	38	34				34
4	76	66	58	53	71	62	55	50	53	48	44	46	42	39	39	36	33	30				30
5	70	59	51	45	65	55	48	43	48	43	38	41	37	34	35	32	29	26				26
6	65	53	45	40	60	50	43	38	44	38	34	38	33	30	32	29	26	23				23
7	60	48	40	35	56	45	38	33	40	34	30	34	30	27	29	26	24	21				21
8	56	44	36	31	52	41	34	30	36	31	27	32	27	24	27	24	21	19				19
9	52	40	33	28	49	38	31	27	33	28	24	29	25	22	25	22	19	17				17
10	49	37	30	25	45	35	28	24	31	26	22	27	23	20	23	20	18	16				16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	46333	46333	46333	46333
5°	46022	46819	46022	46819
10°	46107	47226	46107	47226
15°	46094	47511	46094	47511
20°	46112	46583	46112	46583
25°	45864	43284	45864	43284
30°	45551	39132	45551	39132
35°	45195	35338	45195	35338
40°	44297	31221	44297	31221
45°	42559	27270	42559	27270
50°	39611	23340	39611	23340
55°	36236	18925	36236	18925
60°	32478	16326	32478	16326
65°	28401	14514	28401	14514
70°	23221	13161	23221	13161
75°	18072	12102	18072	12102
80°	13473	10674	13473	10674
85°	9114	6076	9114	6076

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 42559 cd/sqm



TEST NUMBER: P1428462

CATALOG NUMBER: SQ2W-PW1-K-125U-125D-L835-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.3	2.3
10°-20°	791.8	6.6
20°-30°	1165.2	9.8
30°-40°	1274.0	10.7
40°-50°	1142.8	9.6
50°-60°	852.5	7.2
60°-70°	538.8	4.5
70°-80°	267.0	2.2
80°-90°	70.3	0.6
90°-100°	151.2	1.3
100°-110°	440.9	3.7
110°-120°	719.6	6.0
120°-130°	913.1	7.7
130°-140°	977.1	8.2
140°-150°	912.4	7.7
150°-160°	750.8	6.3
160°-170°	503.5	4.2
170°-180°	178.8	1.5
0°-30°	2230.2	18.7
0°-40°	3504.1	29.4
0°-60°	5499.5	46.1
0°-90°	6375.6	53.5
90°-120°	1311.8	11.0
90°-150°	4114.3	34.5
90°-180°	5547.0	46.5
0°-180°	11922.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2870	2870	2870	2870	2870	
5°	2840	2889	2840	2889	2840	270
15°	2758	2842	2758	2842	2758	779
25°	2574	2430	2574	2430	2574	1186
35°	2293	1793	2293	1793	2293	1430
45°	1864	1194	1864	1194	1864	1429
55°	1287	672	1287	672	1287	1149
65°	743	380	743	380	743	737
75°	290	194	290	194	290	319
85°	49	33	49	33	49	62
90°	6	42	6	82	6	6
95°	60	44	60	259	60	72
105°	280	449	280	618	280	298
115°	537	745	537	917	537	530
125°	794	1180	794	1125	794	711
135°	1080	1545	1080	1246	1080	835
145°	1380	1781	1380	1272	1380	863
155°	1639	1934	1639	1320	1639	753
165°	1812	2017	1812	1520	1812	510
175°	1894	1975	1894	1783	1894	180
180°	1900	1900	1900	1900	1900	



TEST NUMBER: P1428462

CATALOG NUMBER: SQ2W-PW1-K-125U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7
2.5°	2850.0	2866.5	2883.1	2879.2	2868.5	2863.6	2864.6	2866.0	2869.0	2871.9	2869.0
5°	2839.6	2860.3	2880.9	2877.9	2867.0	2862.1	2863.3	2867.0	2877.9	2888.8	2877.9
7.5°	2825.4	2846.3	2867.2	2866.2	2858.0	2855.9	2860.0	2865.8	2876.5	2887.2	2876.5
10°	2812.3	2834.2	2856.0	2856.0	2848.7	2848.1	2854.2	2861.2	2870.9	2880.6	2870.9
12.5°	2794.8	2817.6	2840.5	2842.2	2836.8	2837.7	2844.7	2852.4	2862.2	2871.9	2862.2
15°	2757.6	2781.9	2806.2	2811.4	2810.2	2813.8	2822.3	2830.2	2836.3	2842.4	2836.3
17.5°	2714.5	2738.7	2763.0	2767.8	2766.1	2766.4	2768.6	2770.9	2773.9	2776.8	2773.9
20°	2683.8	2708.1	2732.4	2735.8	2732.1	2726.1	2717.6	2711.2	2711.2	2711.2	2711.2
22.5°	2640.1	2666.4	2692.6	2692.8	2684.3	2668.5	2645.4	2626.1	2618.4	2610.6	2618.4
25°	2574.5	2600.0	2625.5	2613.7	2589.4	2553.6	2506.2	2466.1	2447.9	2429.7	2447.9
27.5°	2498.0	2518.6	2539.3	2508.4	2460.3	2402.6	2335.3	2278.5	2253.2	2228.0	2253.2
30°	2443.3	2459.1	2474.9	2426.0	2355.6	2283.3	2209.2	2147.6	2123.3	2099.0	2123.3
32.5°	2386.5	2392.6	2398.6	2334.2	2246.3	2163.8	2086.8	2022.4	1996.2	1970.0	1996.2
35°	2293.0	2282.1	2271.2	2185.5	2075.0	1980.8	1903.1	1839.0	1816.0	1792.9	1816.0
37.5°	2182.6	2150.1	2117.5	2021.0	1903.2	1803.6	1722.2	1654.8	1629.3	1603.7	1629.3
40°	2101.7	2055.5	2009.4	1905.8	1783.2	1681.1	1599.7	1532.3	1506.8	1481.3	1506.8
42.5°	2012.1	1954.2	1896.4	1790.0	1667.3	1565.2	1483.9	1416.2	1389.7	1363.2	1389.7
45°	1863.9	1795.9	1727.9	1617.0	1491.9	1389.9	1310.9	1245.4	1219.8	1194.3	1219.8
47.5°	1697.2	1629.7	1562.1	1451.6	1326.7	1226.0	1149.5	1086.7	1064.8	1042.9	1064.8
50°	1577.0	1511.4	1445.8	1340.1	1221.1	1123.3	1046.8	982.7	956.0	929.2	956.0
52.5°	1454.5	1395.7	1336.9	1235.2	1119.0	1021.7	943.3	875.3	838.9	802.4	838.9
55°	1287.3	1231.4	1175.5	1079.6	970.2	871.8	784.4	713.6	693.0	672.3	693.0
57.5°	1115.1	1066.7	1018.4	932.1	833.3	744.1	664.7	600.8	583.8	566.8	583.8
60°	1005.8	963.2	920.7	838.1	742.2	660.8	594.0	539.6	522.6	505.6	522.6
62.5°	900.8	863.2	825.5	746.3	653.3	580.1	526.9	483.5	469.4	455.3	469.4
65°	743.4	715.4	687.5	622.2	544.5	483.7	440.0	404.2	392.0	379.9	392.0
67.5°	590.3	574.8	559.2	510.3	450.3	401.1	362.8	332.0	324.0	315.9	324.0
70°	491.9	487.1	482.2	441.8	389.6	347.7	316.1	290.9	284.8	278.8	284.8
72.5°	406.7	408.6	410.6	377.0	331.5	296.4	271.7	252.0	247.9	243.8	247.9
75°	289.7	299.4	309.1	287.0	254.2	229.3	212.3	198.9	196.5	194.0	196.5
77.5°	197.3	211.9	226.5	212.1	188.0	169.7	157.1	147.1	145.2	143.2	145.2
80°	144.9	159.4	174.0	164.0	145.8	131.8	122.1	114.8	114.8	114.8	114.8
82.5°	101.1	112.8	124.4	117.3	104.0	94.9	90.0	86.4	86.4	86.4	86.4
85°	49.2	55.3	61.3	59.2	54.4	48.3	41.0	35.2	34.0	32.8	34.0
87.5°	14.3	18.7	23.6	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	36.5	38.4	38.4	40.3	42.2	42.2	42.2
92.5°	21.1	33.4	33.8	33.8	41.1	44.5	47.6	48.0	49.9	49.9	49.9
95°	59.5	65.2	97.9	96.0	65.2	51.8	44.1	44.1	44.1	44.1	44.1
97.5°	113.6	122.1	127.4	170.8	180.4	174.3	142.0	119.4	106.7	100.9	106.7
100°	161.2	165.0	176.6	178.5	226.5	272.5	249.5	220.7	211.1	205.3	211.1
102.5°	208.8	211.1	228.8	236.8	247.9	274.0	353.9	345.1	338.5	337.4	338.5
105°	280.2	282.1	314.7	330.1	337.8	337.8	335.8	374.2	435.6	449.1	435.6
107.5°	356.6	365.4	403.8	444.8	453.7	456.0	446.0	440.2	437.9	439.5	437.9
110°	408.8	422.2	468.3	520.1	533.5	537.3	533.5	527.8	523.9	523.9	523.9



TEST NUMBER: P1428462

CATALOG NUMBER: SQ2W-PW1-K-125U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	459.4	479.0	531.2	590.7	613.3	624.9	616.4	612.2	608.4	611.4	608.4
115°	537.3	566.1	635.2	696.6	742.7	748.4	746.5	746.5	744.6	744.6	744.6
117.5°	609.5	655.6	733.1	804.5	857.8	873.2	880.9	878.6	876.3	880.1	876.3
120°	660.2	713.9	802.2	882.8	934.6	957.6	965.3	961.5	965.3	961.5	965.3
122.5°	713.9	779.9	866.7	950.3	1011.4	1037.5	1046.7	1047.4	1048.2	1045.9	1048.2
125°	794.5	875.1	976.8	1063.2	1126.5	1157.2	1164.9	1166.8	1170.6	1180.2	1170.6
127.5°	875.9	967.2	1078.9	1162.2	1227.1	1264.3	1276.2	1280.4	1288.5	1292.7	1288.5
130°	932.7	1036.3	1149.5	1228.2	1291.6	1331.9	1353.0	1358.7	1368.3	1366.4	1368.3
132.5°	992.6	1100.8	1215.6	1297.3	1356.0	1399.4	1417.4	1433.9	1437.4	1440.1	1437.4
135°	1080.5	1197.5	1312.7	1393.3	1448.9	1491.1	1514.2	1529.5	1539.1	1544.9	1539.1
137.5°	1173.0	1296.5	1407.1	1478.9	1534.9	1571.4	1597.5	1613.6	1623.6	1628.2	1623.6
140°	1235.9	1354.9	1462.4	1537.2	1587.1	1623.6	1646.6	1665.8	1677.3	1677.3	1677.3
142.5°	1295.8	1413.2	1517.6	1592.5	1636.2	1669.6	1694.2	1708.8	1721.8	1721.8	1721.8
145°	1379.8	1496.9	1592.8	1667.7	1704.2	1734.9	1761.7	1773.2	1780.9	1780.9	1780.9
147.5°	1467.7	1571.4	1658.9	1730.6	1761.3	1797.4	1818.5	1827.7	1837.3	1833.1	1837.3
150°	1519.9	1615.9	1700.3	1767.5	1798.2	1832.7	1853.8	1861.5	1871.1	1865.4	1871.1
152.5°	1570.6	1661.9	1738.7	1801.3	1827.4	1861.9	1886.1	1893.8	1900.3	1896.1	1900.3
155°	1638.9	1719.5	1790.5	1848.1	1871.1	1903.7	1926.8	1936.4	1944.0	1934.4	1944.0
157.5°	1699.9	1769.4	1831.2	1884.2	1908.7	1936.8	1958.2	1970.1	1977.8	1973.6	1977.8
160°	1736.8	1800.1	1855.8	1905.7	1928.7	1953.6	1976.7	1990.1	1997.8	1992.0	1997.8
162.5°	1767.5	1824.7	1877.3	1922.5	1942.5	1964.4	1992.0	2003.9	2011.6	2004.3	2011.6
165°	1811.6	1857.7	1903.7	1942.1	1959.4	1976.7	2005.5	2018.9	2024.6	2017.0	2024.6
167.5°	1845.0	1880.3	1917.6	1950.6	1963.2	1980.1	2008.9	2020.0	2027.3	2017.7	2027.3
170°	1863.4	1894.1	1926.8	1953.6	1963.2	1978.6	2007.4	2017.0	2022.7	2013.1	2022.7
172.5°	1878.8	1901.8	1928.3	1952.1	1957.1	1969.4	1996.6	2006.2	2010.4	2002.4	2010.4
175°	1894.1	1907.6	1926.8	1942.1	1940.2	1947.9	1970.9	1978.6	1986.3	1974.7	1986.3
177.5°	1901.4	1907.6	1913.7	1922.9	1916.8	1916.8	1933.7	1938.3	1939.8	1933.7	1939.8
180°	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9



TEST NUMBER: P1428462

CATALOG NUMBER: SQ2W-PW1-K-125U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7
2.5°	2866.0	2864.6	2863.6	2868.5	2879.2	2883.1	2866.5	2850.0	2866.5	2883.1	2879.2
5°	2867.0	2863.3	2862.1	2867.0	2877.9	2880.9	2860.3	2839.6	2860.3	2880.9	2877.9
7.5°	2865.8	2860.0	2855.9	2858.0	2866.2	2867.2	2846.3	2825.4	2846.3	2867.2	2866.2
10°	2861.2	2854.2	2848.1	2848.7	2856.0	2856.0	2834.2	2812.3	2834.2	2856.0	2856.0
12.5°	2852.4	2844.7	2837.7	2836.8	2842.2	2840.5	2817.6	2794.8	2817.6	2840.5	2842.2
15°	2830.2	2822.3	2813.8	2810.2	2811.4	2806.2	2781.9	2757.6	2781.9	2806.2	2811.4
17.5°	2770.9	2768.6	2766.4	2766.1	2767.8	2763.0	2738.7	2714.5	2738.7	2763.0	2767.8
20°	2711.2	2717.6	2726.1	2732.1	2735.8	2732.4	2708.1	2683.8	2708.1	2732.4	2735.8
22.5°	2626.1	2645.4	2668.5	2684.3	2692.8	2692.6	2666.4	2640.1	2666.4	2692.6	2692.8
25°	2466.1	2506.2	2553.6	2589.4	2613.7	2625.5	2600.0	2574.5	2600.0	2625.5	2613.7
27.5°	2278.5	2335.3	2402.6	2460.3	2508.4	2539.3	2518.6	2498.0	2518.6	2539.3	2508.4
30°	2147.6	2209.2	2283.3	2355.6	2426.0	2474.9	2459.1	2443.3	2459.1	2474.9	2426.0
32.5°	2022.4	2086.8	2163.8	2246.3	2334.2	2398.6	2392.6	2386.5	2392.6	2398.6	2334.2
35°	1839.0	1903.1	1980.8	2075.0	2185.5	2271.2	2282.1	2293.0	2282.1	2271.2	2185.5
37.5°	1654.8	1722.2	1803.6	1903.2	2021.0	2117.5	2150.1	2182.6	2150.1	2117.5	2021.0
40°	1532.3	1599.7	1681.1	1783.2	1905.8	2009.4	2055.5	2101.7	2055.5	2009.4	1905.8
42.5°	1416.2	1483.9	1565.2	1667.3	1790.0	1896.4	1954.2	2012.1	1954.2	1896.4	1790.0
45°	1245.4	1310.9	1389.9	1491.9	1617.0	1727.9	1795.9	1863.9	1795.9	1727.9	1617.0
47.5°	1086.7	1149.5	1226.0	1326.7	1451.6	1562.1	1629.7	1697.2	1629.7	1562.1	1451.6
50°	982.7	1046.8	1123.3	1221.1	1340.1	1445.8	1511.4	1577.0	1511.4	1445.8	1340.1
52.5°	875.3	943.3	1021.7	1119.0	1235.2	1336.9	1395.7	1454.5	1395.7	1336.9	1235.2
55°	713.6	784.4	871.8	970.2	1079.6	1175.5	1231.4	1287.3	1231.4	1175.5	1079.6
57.5°	600.8	664.7	744.1	833.3	932.1	1018.4	1066.7	1115.1	1066.7	1018.4	932.1
60°	539.6	594.0	660.8	742.2	838.1	920.7	963.2	1005.8	963.2	920.7	838.1
62.5°	483.5	526.9	580.1	653.3	746.3	825.5	863.2	900.8	863.2	825.5	746.3
65°	404.2	440.0	483.7	544.5	622.2	687.5	715.4	743.4	715.4	687.5	622.2
67.5°	332.0	362.8	401.1	450.3	510.3	559.2	574.8	590.3	574.8	559.2	510.3
70°	290.9	316.1	347.7	389.6	441.8	482.2	487.1	491.9	487.1	482.2	441.8
72.5°	252.0	271.7	296.4	331.5	377.0	410.6	408.6	406.7	408.6	410.6	377.0
75°	198.9	212.3	229.3	254.2	287.0	309.1	299.4	289.7	299.4	309.1	287.0
77.5°	147.1	157.1	169.7	188.0	212.1	226.5	211.9	197.3	211.9	226.5	212.1
80°	114.8	122.1	131.8	145.8	164.0	174.0	159.4	144.9	159.4	174.0	164.0
82.5°	86.4	90.0	94.9	104.0	117.3	124.4	112.8	101.1	112.8	124.4	117.3
85°	35.2	41.0	48.3	54.4	59.2	61.3	55.3	49.2	55.3	61.3	59.2
87.5°	14.6	15.0	15.9	18.5	22.2	23.6	18.7	14.3	18.7	23.2	22.9
90°	40.3	38.4	38.4	36.5	30.7	23.0	13.4	5.8	13.4	21.1	34.5
92.5°	48.0	47.6	44.5	41.1	33.8	33.8	33.4	21.1	36.5	51.8	74.5
95°	44.1	44.1	51.8	65.2	96.0	97.9	65.2	59.5	84.4	119.0	149.7
97.5°	119.4	142.0	174.3	180.4	170.8	127.4	122.1	113.6	154.7	188.8	238.4
100°	220.7	249.5	272.5	226.5	178.5	176.6	165.0	161.2	205.3	238.0	285.9
102.5°	345.1	353.9	274.0	247.9	236.8	228.8	211.1	208.8	252.9	297.8	338.1
105°	374.2	335.8	337.8	337.8	330.1	314.7	282.1	280.2	330.1	381.9	431.8
107.5°	440.2	446.0	456.0	453.7	444.8	403.8	365.4	356.6	401.5	463.7	518.5
110°	527.8	533.5	537.3	533.5	520.1	468.3	422.2	408.8	449.1	514.3	573.8



TEST NUMBER: P1428462

CATALOG NUMBER: SQ2W-PW1-K-125U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	612.2	616.4	624.9	613.3	590.7	531.2	479.0	459.4	499.7	566.5	627.5
115°	746.5	746.5	748.4	742.7	696.6	635.2	566.1	537.3	571.9	633.3	700.5
117.5°	878.6	880.9	873.2	857.8	804.5	733.1	655.6	609.5	636.8	701.6	770.7
120°	961.5	965.3	957.6	934.6	882.8	802.2	713.9	660.2	681.3	744.6	813.7
122.5°	1047.4	1046.7	1037.5	1011.4	950.3	866.7	779.9	713.9	722.7	781.5	849.0
125°	1166.8	1164.9	1157.2	1126.5	1063.2	976.8	875.1	794.5	783.0	832.9	902.0
127.5°	1280.4	1276.2	1264.3	1227.1	1162.2	1078.9	967.2	875.9	850.2	881.6	945.0
130°	1358.7	1353.0	1331.9	1291.6	1228.2	1149.5	1036.3	932.7	896.2	915.4	971.1
132.5°	1433.9	1417.4	1399.4	1356.0	1297.3	1215.6	1100.8	992.6	942.3	950.7	994.1
135°	1529.5	1514.2	1491.1	1448.9	1393.3	1312.7	1197.5	1080.5	1011.4	1003.7	1028.6
137.5°	1613.6	1597.5	1571.4	1534.9	1478.9	1407.1	1296.5	1173.0	1085.8	1060.1	1069.7
140°	1665.8	1646.6	1623.6	1587.1	1537.2	1462.4	1354.9	1235.9	1138.0	1101.6	1095.8
142.5°	1708.8	1694.2	1669.6	1636.2	1592.5	1517.6	1413.2	1295.8	1191.8	1144.5	1131.1
145°	1773.2	1761.7	1734.9	1704.2	1667.7	1592.8	1496.9	1379.8	1276.2	1214.8	1186.0
147.5°	1827.7	1818.5	1797.4	1761.3	1730.6	1658.9	1571.4	1467.7	1361.4	1285.4	1248.2
150°	1861.5	1853.8	1832.7	1798.2	1767.5	1700.3	1615.9	1519.9	1418.2	1337.6	1289.6
152.5°	1893.8	1886.1	1861.9	1827.4	1801.3	1738.7	1661.9	1570.6	1467.3	1386.7	1337.2
155°	1936.4	1926.8	1903.7	1871.1	1848.1	1790.5	1719.5	1638.9	1550.6	1466.2	1410.5
157.5°	1970.1	1958.2	1936.8	1908.7	1884.2	1831.2	1769.4	1699.9	1622.8	1542.2	1485.4
160°	1990.1	1976.7	1953.6	1928.7	1905.7	1855.8	1800.1	1736.8	1665.8	1592.8	1531.4
162.5°	2003.9	1992.0	1964.4	1942.5	1922.5	1877.3	1824.7	1767.5	1704.2	1640.4	1583.6
165°	2018.9	2005.5	1976.7	1959.4	1942.1	1903.7	1857.7	1811.6	1757.9	1706.1	1660.0
167.5°	2020.0	2008.9	1980.1	1963.2	1950.6	1917.6	1880.3	1845.0	1803.2	1762.5	1724.1
170°	2017.0	2007.4	1978.6	1963.2	1953.6	1926.8	1894.1	1863.4	1830.8	1796.3	1765.6
172.5°	2006.2	1996.6	1969.4	1957.1	1952.1	1928.3	1901.8	1878.8	1850.8	1825.4	1800.9
175°	1978.6	1970.9	1947.9	1940.2	1942.1	1926.8	1907.6	1894.1	1876.9	1861.5	1848.1
177.5°	1938.3	1933.7	1916.8	1916.8	1922.9	1913.7	1907.6	1901.4	1893.8	1889.2	1884.6
180°	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9



TEST NUMBER: P1428462

CATALOG NUMBER: SQ2W-PW1-K-125U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7
2.5°	2868.5	2863.6	2864.6	2866.0	2869.0	2871.9	2869.0	2866.0	2864.6	2863.6	2868.5
5°	2867.0	2862.1	2863.3	2867.0	2877.9	2888.8	2877.9	2867.0	2863.3	2862.1	2867.0
7.5°	2858.0	2855.9	2860.0	2865.8	2876.5	2887.2	2876.5	2865.8	2860.0	2855.9	2858.0
10°	2848.7	2848.1	2854.2	2861.2	2870.9	2880.6	2870.9	2861.2	2854.2	2848.1	2848.7
12.5°	2836.8	2837.7	2844.7	2852.4	2862.2	2871.9	2862.2	2852.4	2844.7	2837.7	2836.8
15°	2810.2	2813.8	2822.3	2830.2	2836.3	2842.4	2836.3	2830.2	2822.3	2813.8	2810.2
17.5°	2766.1	2766.4	2768.6	2770.9	2773.9	2776.8	2773.9	2770.9	2768.6	2766.4	2766.1
20°	2732.1	2726.1	2717.6	2711.2	2711.2	2711.2	2711.2	2711.2	2717.6	2726.1	2732.1
22.5°	2684.3	2668.5	2645.4	2626.1	2618.4	2610.6	2618.4	2626.1	2645.4	2668.5	2684.3
25°	2589.4	2553.6	2506.2	2466.1	2447.9	2429.7	2447.9	2466.1	2506.2	2553.6	2589.4
27.5°	2460.3	2402.6	2335.3	2278.5	2253.2	2228.0	2253.2	2278.5	2335.3	2402.6	2460.3
30°	2355.6	2283.3	2209.2	2147.6	2123.3	2099.0	2123.3	2147.6	2209.2	2283.3	2355.6
32.5°	2246.3	2163.8	2086.8	2022.4	1996.2	1970.0	1996.2	2022.4	2086.8	2163.8	2246.3
35°	2075.0	1980.8	1903.1	1839.0	1816.0	1792.9	1816.0	1839.0	1903.1	1980.8	2075.0
37.5°	1903.2	1803.6	1722.2	1654.8	1629.3	1603.7	1629.3	1654.8	1722.2	1803.6	1903.2
40°	1783.2	1681.1	1599.7	1532.3	1506.8	1481.3	1506.8	1532.3	1599.7	1681.1	1783.2
42.5°	1667.3	1565.2	1483.9	1416.2	1389.7	1363.2	1389.7	1416.2	1483.9	1565.2	1667.3
45°	1491.9	1389.9	1310.9	1245.4	1219.8	1194.3	1219.8	1245.4	1310.9	1389.9	1491.9
47.5°	1326.7	1226.0	1149.5	1086.7	1064.8	1042.9	1064.8	1086.7	1149.5	1226.0	1326.7
50°	1221.1	1123.3	1046.8	982.7	956.0	929.2	956.0	982.7	1046.8	1123.3	1221.1
52.5°	1119.0	1021.7	943.3	875.3	838.9	802.4	838.9	875.3	943.3	1021.7	1119.0
55°	970.2	871.8	784.4	713.6	693.0	672.3	693.0	713.6	784.4	871.8	970.2
57.5°	833.3	744.1	664.7	600.8	583.8	566.8	583.8	600.8	664.7	744.1	833.3
60°	742.2	660.8	594.0	539.6	522.6	505.6	522.6	539.6	594.0	660.8	742.2
62.5°	653.3	580.1	526.9	483.5	469.4	455.3	469.4	483.5	526.9	580.1	653.3
65°	544.5	483.7	440.0	404.2	392.0	379.9	392.0	404.2	440.0	483.7	544.5
67.5°	450.3	401.1	362.8	332.0	324.0	315.9	324.0	332.0	362.8	401.1	450.3
70°	389.6	347.7	316.1	290.9	284.8	278.8	284.8	290.9	316.1	347.7	389.6
72.5°	331.5	296.4	271.7	252.0	247.9	243.8	247.9	252.0	271.7	296.4	331.5
75°	254.2	229.3	212.3	198.9	196.5	194.0	196.5	198.9	212.3	229.3	254.2
77.5°	188.0	169.7	157.1	147.1	145.2	143.2	145.2	147.1	157.1	169.7	188.0
80°	145.8	131.8	122.1	114.8	114.8	114.8	114.8	114.8	122.1	131.8	145.8
82.5°	104.0	94.9	90.0	86.4	86.4	86.4	86.4	86.4	90.0	94.9	104.0
85°	54.4	48.3	41.0	35.2	34.0	32.8	34.0	35.2	41.0	48.3	54.4
87.5°	20.0	19.8	21.5	22.3	23.8	23.1	23.8	22.3	21.5	19.8	20.0
90°	44.1	57.6	71.0	78.7	86.4	82.5	86.4	78.7	71.0	57.6	44.1
92.5°	88.7	111.3	127.8	141.6	147.8	147.0	147.8	141.6	127.8	111.3	88.7
95°	178.5	205.3	232.2	251.4	262.9	259.1	262.9	251.4	232.2	205.3	178.5
97.5°	275.2	311.3	341.2	359.3	370.8	378.4	370.8	359.3	341.2	311.3	275.2
100°	339.7	374.2	408.8	429.9	449.1	456.7	449.1	429.9	408.8	374.2	339.7
102.5°	391.9	437.2	474.8	497.4	513.5	521.2	513.5	497.4	474.8	437.2	391.9
105°	477.9	525.8	566.1	594.9	612.2	617.9	612.2	594.9	566.1	525.8	477.9
107.5°	563.8	613.3	650.6	682.4	703.5	715.8	703.5	682.4	650.6	613.3	563.8
110°	631.4	671.7	712.0	740.8	761.9	769.6	761.9	740.8	712.0	671.7	631.4



TEST NUMBER: P1428462

CATALOG NUMBER: SQ2W-PW1-K-125U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	688.2	733.1	773.4	802.2	826.4	837.1	826.4	802.2	773.4	733.1	688.2
115°	767.6	827.1	863.6	890.5	907.7	917.3	907.7	890.5	863.6	827.1	767.6
117.5°	833.7	895.8	935.8	956.5	964.5	971.4	964.5	956.5	935.8	895.8	833.7
120°	875.1	932.7	978.7	1005.6	1015.2	1019.0	1015.2	1005.6	978.7	932.7	875.1
122.5°	913.5	968.0	1012.5	1045.5	1061.3	1065.1	1061.3	1045.5	1012.5	968.0	913.5
125°	967.2	1019.0	1065.1	1097.7	1115.0	1124.6	1115.0	1097.7	1065.1	1019.0	967.2
127.5°	1014.1	1070.1	1112.3	1141.9	1158.7	1166.4	1158.7	1141.9	1112.3	1070.1	1014.1
130°	1040.1	1097.7	1139.9	1172.6	1187.9	1195.6	1187.9	1172.6	1139.9	1097.7	1040.1
132.5°	1060.1	1120.8	1164.5	1194.1	1210.9	1218.6	1210.9	1194.1	1164.5	1120.8	1060.1
135°	1084.3	1147.6	1193.7	1222.5	1237.8	1245.5	1237.8	1222.5	1193.7	1147.6	1084.3
137.5°	1105.4	1163.0	1210.9	1241.3	1255.1	1260.1	1255.1	1241.3	1210.9	1163.0	1105.4
140°	1120.8	1170.6	1218.6	1247.4	1262.8	1264.7	1262.8	1247.4	1218.6	1170.6	1120.8
142.5°	1140.7	1179.9	1221.7	1250.5	1265.8	1269.3	1265.8	1250.5	1221.7	1179.9	1140.7
145°	1176.4	1199.4	1228.2	1255.1	1268.5	1272.4	1268.5	1255.1	1228.2	1199.4	1176.4
147.5°	1221.3	1228.6	1243.6	1261.2	1274.3	1277.0	1274.3	1261.2	1243.6	1228.6	1221.3
150°	1255.1	1253.2	1258.9	1270.4	1282.0	1280.0	1282.0	1270.4	1258.9	1253.2	1255.1
152.5°	1293.5	1282.3	1282.0	1287.3	1292.7	1292.3	1292.7	1287.3	1282.0	1282.3	1293.5
155°	1358.7	1337.6	1326.1	1322.3	1322.3	1320.3	1322.3	1322.3	1326.1	1337.6	1358.7
157.5°	1430.5	1400.9	1383.7	1374.5	1371.8	1367.5	1371.8	1374.5	1383.7	1400.9	1430.5
160°	1479.6	1447.0	1429.7	1414.4	1408.6	1402.9	1408.6	1414.4	1429.7	1447.0	1479.6
162.5°	1525.7	1494.6	1475.8	1462.0	1456.2	1447.4	1456.2	1462.0	1475.8	1494.6	1525.7
165°	1600.5	1567.9	1546.8	1535.3	1527.6	1519.9	1527.6	1535.3	1546.8	1567.9	1600.5
167.5°	1675.4	1639.7	1625.9	1612.8	1605.5	1591.7	1605.5	1612.8	1625.9	1639.7	1675.4
170°	1721.4	1688.8	1681.1	1669.6	1656.2	1640.8	1656.2	1669.6	1681.1	1688.8	1721.4
172.5°	1761.3	1739.5	1731.8	1720.3	1716.1	1703.8	1716.1	1720.3	1731.8	1739.5	1761.3
175°	1819.3	1802.0	1802.0	1800.1	1794.4	1782.8	1794.4	1800.1	1802.0	1802.0	1819.3
177.5°	1867.7	1858.5	1864.6	1864.6	1863.1	1852.3	1863.1	1864.6	1864.6	1858.5	1867.7
180°	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9



TEST NUMBER: P1428462

CATALOG NUMBER: SQ2W-PW1-K-125U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2869.7	2869.7	2869.7	2869.7
2.5°	2879.2	2883.1	2866.5	2850.0
5°	2877.9	2880.9	2860.3	2839.6
7.5°	2866.2	2867.2	2846.3	2825.4
10°	2856.0	2856.0	2834.2	2812.3
12.5°	2842.2	2840.5	2817.6	2794.8
15°	2811.4	2806.2	2781.9	2757.6
17.5°	2767.8	2763.0	2738.7	2714.5
20°	2735.8	2732.4	2708.1	2683.8
22.5°	2692.8	2692.6	2666.4	2640.1
25°	2613.7	2625.5	2600.0	2574.5
27.5°	2508.4	2539.3	2518.6	2498.0
30°	2426.0	2474.9	2459.1	2443.3
32.5°	2334.2	2398.6	2392.6	2386.5
35°	2185.5	2271.2	2282.1	2293.0
37.5°	2021.0	2117.5	2150.1	2182.6
40°	1905.8	2009.4	2055.5	2101.7
42.5°	1790.0	1896.4	1954.2	2012.1
45°	1617.0	1727.9	1795.9	1863.9
47.5°	1451.6	1562.1	1629.7	1697.2
50°	1340.1	1445.8	1511.4	1577.0
52.5°	1235.2	1336.9	1395.7	1454.5
55°	1079.6	1175.5	1231.4	1287.3
57.5°	932.1	1018.4	1066.7	1115.1
60°	838.1	920.7	963.2	1005.8
62.5°	746.3	825.5	863.2	900.8
65°	622.2	687.5	715.4	743.4
67.5°	510.3	559.2	574.8	590.3
70°	441.8	482.2	487.1	491.9
72.5°	377.0	410.6	408.6	406.7
75°	287.0	309.1	299.4	289.7
77.5°	212.1	226.5	211.9	197.3
80°	164.0	174.0	159.4	144.9
82.5°	117.3	124.4	112.8	101.1
85°	59.2	61.3	55.3	49.2
87.5°	22.9	23.2	18.7	14.3
90°	34.5	21.1	13.4	5.8
92.5°	74.5	51.8	36.5	21.1
95°	149.7	119.0	84.4	59.5
97.5°	238.4	188.8	154.7	113.6
100°	285.9	238.0	205.3	161.2
102.5°	338.1	297.8	252.9	208.8
105°	431.8	381.9	330.1	280.2
107.5°	518.5	463.7	401.5	356.6
110°	573.8	514.3	449.1	408.8



TEST NUMBER: P1428462

CATALOG NUMBER: SQ2W-PW1-K-125U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	627.5	566.5	499.7	459.4
115°	700.5	633.3	571.9	537.3
117.5°	770.7	701.6	636.8	609.5
120°	813.7	744.6	681.3	660.2
122.5°	849.0	781.5	722.7	713.9
125°	902.0	832.9	783.0	794.5
127.5°	945.0	881.6	850.2	875.9
130°	971.1	915.4	896.2	932.7
132.5°	994.1	950.7	942.3	992.6
135°	1028.6	1003.7	1011.4	1080.5
137.5°	1069.7	1060.1	1085.8	1173.0
140°	1095.8	1101.6	1138.0	1235.9
142.5°	1131.1	1144.5	1191.8	1295.8
145°	1186.0	1214.8	1276.2	1379.8
147.5°	1248.2	1285.4	1361.4	1467.7
150°	1289.6	1337.6	1418.2	1519.9
152.5°	1337.2	1386.7	1467.3	1570.6
155°	1410.5	1466.2	1550.6	1638.9
157.5°	1485.4	1542.2	1622.8	1699.9
160°	1531.4	1592.8	1665.8	1736.8
162.5°	1583.6	1640.4	1704.2	1767.5
165°	1660.0	1706.1	1757.9	1811.6
167.5°	1724.1	1762.5	1803.2	1845.0
170°	1765.6	1796.3	1830.8	1863.4
172.5°	1800.9	1825.4	1850.8	1878.8
175°	1848.1	1861.5	1876.9	1894.1
177.5°	1884.6	1889.2	1893.8	1901.4
180°	1899.9	1899.9	1899.9	1899.9



TEST NUMBER: P1428462
 CATALOG NUMBER: SQ2W-PW1-K-125U-125D-L835-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	20.56	21.41	21.50	22.36	23.58	16.81	17.66	17.74	18.61	19.83
	3H	21.86	22.62	22.81	23.58	24.83	18.08	18.84	19.02	19.80	21.04
	4H	22.27	22.99	23.23	23.95	25.21	18.58	19.30	19.54	20.26	21.52
	6H	22.45	23.11	23.42	24.08	25.35	18.89	19.55	19.86	20.52	21.79
	8H	22.49	23.12	23.47	24.10	25.37	19.01	19.64	19.98	20.62	21.88
	12H	22.49	23.09	23.48	24.07	25.36	19.04	19.63	20.02	20.61	21.90
4H	2H	20.69	21.41	21.66	22.37	23.63	17.62	18.34	18.58	19.30	20.55
	3H	22.23	22.83	23.21	23.82	25.09	19.06	19.66	20.04	20.65	21.92
	4H	22.78	23.32	23.76	24.30	25.60	19.64	20.19	20.63	21.17	22.47
	6H	23.09	23.55	24.08	24.56	25.86	20.03	20.49	21.02	21.50	22.79
	8H	23.18	23.61	24.18	24.61	25.92	20.18	20.61	21.17	21.61	22.92
	12H	23.20	23.59	24.22	24.61	25.92	20.22	20.61	21.23	21.63	22.94
8H	4H	22.81	23.25	23.81	24.25	25.56	19.98	20.42	20.98	21.42	22.73
	6H	23.24	23.60	24.26	24.64	25.94	20.48	20.84	21.50	21.88	23.19
	8H	23.41	23.72	24.44	24.75	26.08	20.70	21.01	21.73	22.04	23.37
	12H	23.48	23.76	24.52	24.79	26.15	20.78	21.06	21.81	22.08	23.45
12H	4H	22.77	23.17	23.79	24.18	25.49	20.00	20.40	21.02	21.41	22.72
	6H	23.23	23.55	24.26	24.58	25.90	20.55	20.87	21.58	21.90	23.22
	8H	23.42	23.70	24.45	24.72	26.09	20.80	21.08	21.83	22.10	23.47