

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: P1428486

Luminaire Tested: SQ2W-PW1-K-150U-125D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428486  
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-150U-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 1500 LUMENS PER FOOT  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

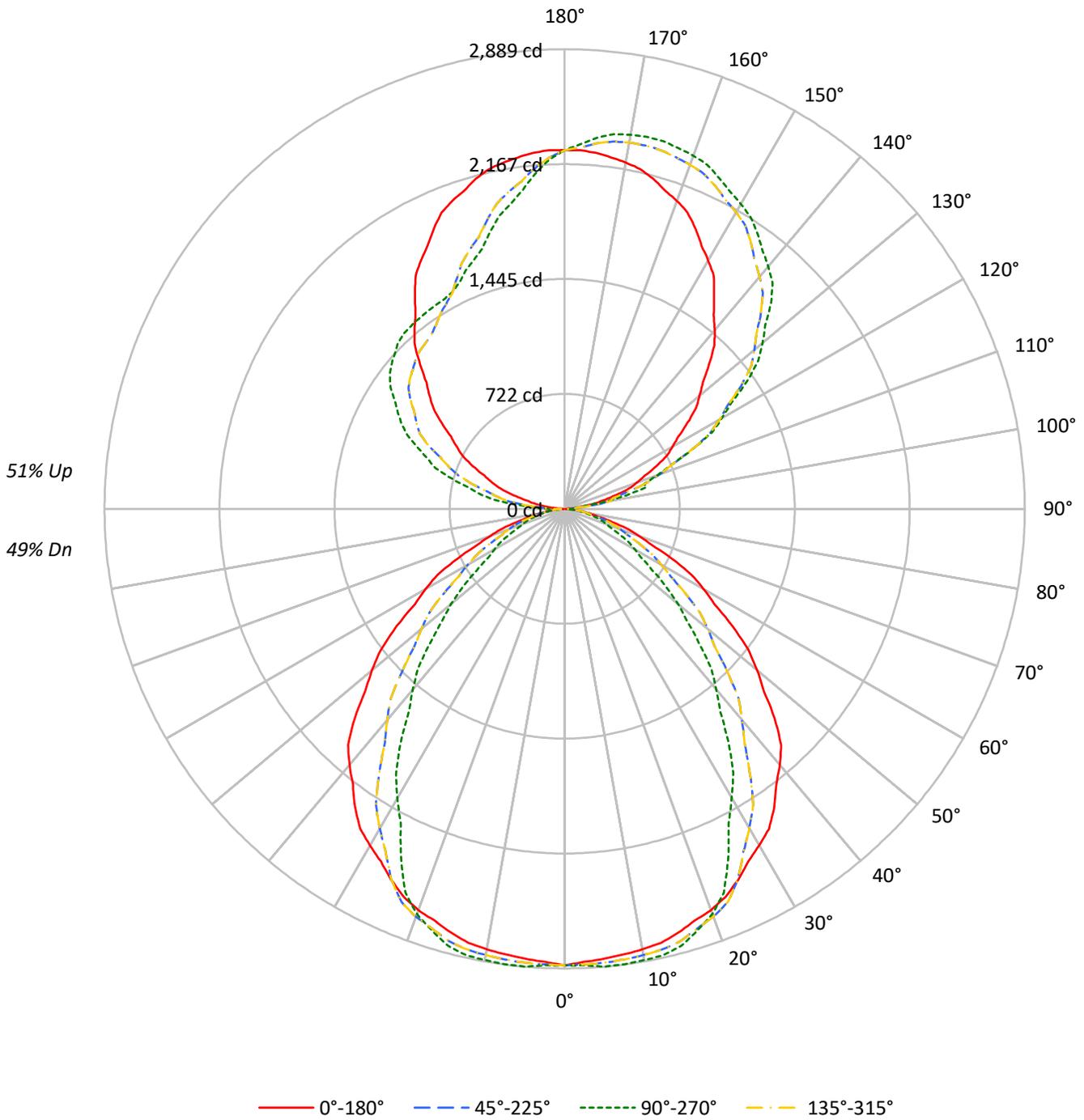
Lumens per Lamp: N/A  
Luminaire Lumens: 12957.0 lumens  
Efficiency: N/A  
Efficacy: 124.2 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 104.3  
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-PW1-K-150U-125D-L835-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	0	
RCR																						
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	55	55	55	49				
1	98	94	90	87	90	87	84	81	74	71	69	61	60	58	50	49	48	43				
2	90	83	77	72	83	77	72	67	65	61	58	54	52	49	45	43	41	37				
3	82	73	66	61	76	68	62	57	58	53	50	49	45	42	40	38	36	32				
4	76	65	58	52	69	61	54	49	52	47	43	44	40	37	36	33	31	28				
5	70	58	50	45	64	54	47	42	47	41	37	39	35	32	33	30	27	24				
6	64	52	45	39	59	49	42	37	42	37	33	36	32	29	30	27	24	22				
7	59	48	40	34	55	44	37	33	38	33	29	33	29	25	27	24	22	19				
8	55	43	36	31	51	40	34	29	35	30	26	30	26	23	25	22	20	17				
9	52	40	32	27	48	37	30	26	32	27	23	28	24	21	23	20	18	16				
10	48	36	29	25	45	34	28	23	30	25	21	26	22	19	22	19	16	14				

**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



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	273.3	2.1
10°-20°	791.8	6.1
20°-30°	1165.2	9.0
30°-40°	1274.0	9.8
40°-50°	1142.8	8.8
50°-60°	852.5	6.6
60°-70°	538.8	4.2
70°-80°	267.0	2.1
80°-90°	71.8	0.6
90°-100°	179.4	1.4
100°-110°	523.0	4.0
110°-120°	853.6	6.6
120°-130°	1083.1	8.4
130°-140°	1158.9	8.9
140°-150°	1082.2	8.4
150°-160°	890.5	6.9
160°-170°	597.2	4.6
170°-180°	212.1	1.6
0°-30°	2230.2	17.2
0°-40°	3504.1	27.0
0°-60°	5499.5	42.4
0°-90°	6377.0	49.2
90°-120°	1556.0	12.0
90°-150°	4880.2	37.7
90°-180°	6580.0	50.8
0°-180°	12957.0	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	63
90°	7	50	7	98	7	7
95°	71	52	71	307	71	85
105°	332	533	332	733	332	353
115°	637	883	637	1088	637	628
125°	942	1400	942	1334	942	843
135°	1282	1832	1282	1477	1282	990
145°	1637	2112	1637	1509	1637	1024
155°	1944	2294	1944	1566	1944	894
165°	2149	2392	2149	1803	2149	605
175°	2247	2342	2247	2115	2247	213
180°	2254	2254	2254	2254	2254	



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**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°	14.5	19.2	24.4	23.3	19.8	17.4	16.4	16.1	16.6	16.6	16.6
90°	6.8	15.9	27.3	36.4	43.3	45.5	45.5	47.8	50.1	50.1	50.1
92.5°	25.0	39.6	40.1	40.1	48.7	52.8	56.5	56.9	59.2	59.2	59.2
95°	70.6	77.4	116.1	113.8	77.4	61.5	52.4	52.4	52.4	52.4	52.4
97.5°	134.8	144.8	151.1	202.6	214.0	206.7	168.4	141.6	126.6	119.7	126.6
100°	191.2	195.8	209.4	211.7	268.6	323.2	295.9	261.8	250.4	243.6	250.4
102.5°	247.7	250.4	271.3	280.9	294.1	325.1	419.8	409.3	401.5	400.2	401.5
105°	332.3	334.6	373.3	391.5	400.6	400.6	398.4	443.9	516.7	532.7	516.7
107.5°	422.9	433.4	478.9	527.7	538.1	540.9	529.0	522.2	519.5	521.3	519.5
110°	484.9	500.8	555.4	616.9	632.8	637.4	632.8	626.0	621.4	621.4	621.4



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	545.0	568.2	630.1	700.7	727.5	741.2	731.2	726.1	721.6	725.2	721.6
115°	637.4	671.5	753.5	826.3	880.9	887.8	885.5	885.5	883.2	883.2	883.2
117.5°	723.0	777.6	869.6	954.2	1017.5	1035.7	1044.8	1042.1	1039.4	1043.9	1039.4
120°	783.1	846.8	951.5	1047.1	1108.6	1135.9	1145.0	1140.4	1145.0	1140.4	1145.0
122.5°	846.8	925.1	1028.0	1127.2	1199.6	1230.6	1241.5	1242.4	1243.3	1240.6	1243.3
125°	942.4	1038.0	1158.6	1261.1	1336.2	1372.6	1381.7	1384.0	1388.6	1399.9	1388.6
127.5°	1038.9	1147.3	1279.7	1378.5	1455.5	1499.6	1513.8	1518.8	1528.3	1533.3	1528.3
130°	1106.3	1229.2	1363.5	1456.8	1532.0	1579.8	1604.8	1611.6	1623.0	1620.7	1623.0
132.5°	1177.3	1305.7	1441.8	1538.8	1608.4	1659.9	1681.3	1700.9	1705.0	1708.2	1705.0
135°	1281.6	1420.4	1557.0	1652.6	1718.6	1768.7	1796.0	1814.2	1825.6	1832.4	1825.6
137.5°	1391.3	1537.9	1669.0	1754.1	1820.6	1863.9	1894.8	1913.9	1925.8	1931.2	1925.8
140°	1466.0	1607.1	1734.6	1823.3	1882.5	1925.8	1953.1	1975.8	1989.5	1989.5	1989.5
142.5°	1537.0	1676.3	1800.1	1888.9	1940.8	1980.4	2009.5	2026.8	2042.3	2042.3	2042.3
145°	1636.7	1775.5	1889.3	1978.1	2021.4	2057.8	2089.7	2103.3	2112.4	2112.4	2112.4
147.5°	1740.9	1863.9	1967.7	2052.8	2089.2	2132.0	2157.0	2168.0	2179.4	2174.3	2179.4
150°	1802.8	1916.7	2016.8	2096.5	2132.9	2173.9	2198.9	2208.0	2219.4	2212.6	2219.4
152.5°	1862.9	1971.3	2062.3	2136.6	2167.5	2208.5	2237.2	2246.3	2254.0	2249.0	2254.0
155°	1944.0	2039.6	2123.8	2192.1	2219.4	2258.1	2285.4	2296.8	2305.9	2294.5	2305.9
157.5°	2016.4	2098.8	2172.1	2234.9	2264.0	2297.3	2322.8	2336.9	2346.0	2341.0	2346.0
160°	2060.1	2135.2	2201.2	2260.4	2287.7	2317.3	2344.6	2360.5	2369.7	2362.8	2369.7
162.5°	2096.5	2164.3	2226.7	2280.4	2304.1	2330.0	2362.8	2376.9	2386.0	2377.4	2386.0
165°	2148.8	2203.5	2258.1	2303.6	2324.1	2344.6	2378.8	2394.7	2401.5	2392.4	2401.5
167.5°	2188.5	2230.3	2274.5	2313.7	2328.7	2348.7	2382.9	2396.1	2404.7	2393.3	2404.7
170°	2210.3	2246.7	2285.4	2317.3	2328.7	2346.9	2381.0	2392.4	2399.2	2387.9	2399.2
172.5°	2228.5	2255.8	2287.2	2315.5	2321.4	2336.0	2368.3	2379.7	2384.7	2375.1	2384.7
175°	2246.7	2262.7	2285.4	2303.6	2301.4	2310.5	2337.8	2346.9	2356.0	2342.3	2356.0
177.5°	2255.4	2262.7	2269.9	2280.9	2273.6	2273.6	2293.6	2299.1	2300.9	2293.6	2300.9
180°	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6



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**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°	16.1	16.4	17.4	19.8	23.3	24.4	19.2	14.5	19.2	24.0	24.2
90°	47.8	45.5	45.5	43.3	36.4	27.3	15.9	6.8	15.9	25.0	41.0
92.5°	56.9	56.5	52.8	48.7	40.1	40.1	39.6	25.0	43.3	61.5	88.3
95°	52.4	52.4	61.5	77.4	113.8	116.1	77.4	70.6	100.2	141.1	177.6
97.5°	141.6	168.4	206.7	214.0	202.6	151.1	144.8	134.8	183.5	224.0	282.7
100°	261.8	295.9	323.2	268.6	211.7	209.4	195.8	191.2	243.6	282.3	339.2
102.5°	409.3	419.8	325.1	294.1	280.9	271.3	250.4	247.7	300.0	353.3	401.1
105°	443.9	398.4	400.6	400.6	391.5	373.3	334.6	332.3	391.5	453.0	512.2
107.5°	522.2	529.0	540.9	538.1	527.7	478.9	433.4	422.9	476.2	550.0	615.1
110°	626.0	632.8	637.4	632.8	616.9	555.4	500.8	484.9	532.7	610.1	680.6



TEST NUMBER: P1428486

CATALOG NUMBER: SQ2W-PW1-K-150U-125D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	726.1	731.2	741.2	727.5	700.7	630.1	568.2	545.0	592.8	672.0	744.4
115°	885.5	885.5	887.8	880.9	826.3	753.5	671.5	637.4	678.3	751.2	830.9
117.5°	1042.1	1044.8	1035.7	1017.5	954.2	869.6	777.6	723.0	755.3	832.2	914.2
120°	1140.4	1145.0	1135.9	1108.6	1047.1	951.5	846.8	783.1	808.1	883.2	965.2
122.5°	1242.4	1241.5	1230.6	1199.6	1127.2	1028.0	925.1	846.8	857.3	926.9	1007.0
125°	1384.0	1381.7	1372.6	1336.2	1261.1	1158.6	1038.0	942.4	928.7	987.9	1069.9
127.5°	1518.8	1513.8	1499.6	1455.5	1378.5	1279.7	1147.3	1038.9	1008.4	1045.7	1120.9
130°	1611.6	1604.8	1579.8	1532.0	1456.8	1363.5	1229.2	1106.3	1063.0	1085.8	1151.8
132.5°	1700.9	1681.3	1659.9	1608.4	1538.8	1441.8	1305.7	1177.3	1117.7	1127.7	1179.1
135°	1814.2	1796.0	1768.7	1718.6	1652.6	1557.0	1420.4	1281.6	1199.6	1190.5	1220.1
137.5°	1913.9	1894.8	1863.9	1820.6	1754.1	1669.0	1537.9	1391.3	1287.9	1257.4	1268.8
140°	1975.8	1953.1	1925.8	1882.5	1823.3	1734.6	1607.1	1466.0	1349.9	1306.6	1299.8
142.5°	2026.8	2009.5	1980.4	1940.8	1888.9	1800.1	1676.3	1537.0	1413.6	1357.6	1341.7
145°	2103.3	2089.7	2057.8	2021.4	1978.1	1889.3	1775.5	1636.7	1513.8	1440.9	1406.8
147.5°	2168.0	2157.0	2132.0	2089.2	2052.8	1967.7	1863.9	1740.9	1614.8	1524.7	1480.5
150°	2208.0	2198.9	2173.9	2132.9	2096.5	2016.8	1916.7	1802.8	1682.2	1586.6	1529.7
152.5°	2246.3	2237.2	2208.5	2167.5	2136.6	2062.3	1971.3	1862.9	1740.5	1644.9	1586.1
155°	2296.8	2285.4	2258.1	2219.4	2192.1	2123.8	2039.6	1944.0	1839.3	1739.1	1673.1
157.5°	2336.9	2322.8	2297.3	2264.0	2234.9	2172.1	2098.8	2016.4	1924.9	1829.3	1761.9
160°	2360.5	2344.6	2317.3	2287.7	2260.4	2201.2	2135.2	2060.1	1975.8	1889.3	1816.5
162.5°	2376.9	2362.8	2330.0	2304.1	2280.4	2226.7	2164.3	2096.5	2021.4	1945.8	1878.4
165°	2394.7	2378.8	2344.6	2324.1	2303.6	2258.1	2203.5	2148.8	2085.1	2023.7	1969.0
167.5°	2396.1	2382.9	2348.7	2328.7	2313.7	2274.5	2230.3	2188.5	2138.8	2090.6	2045.0
170°	2392.4	2381.0	2346.9	2328.7	2317.3	2285.4	2246.7	2210.3	2171.6	2130.6	2094.2
172.5°	2379.7	2368.3	2336.0	2321.4	2315.5	2287.2	2255.8	2228.5	2195.3	2165.2	2136.1
175°	2346.9	2337.8	2310.5	2301.4	2303.6	2285.4	2262.7	2246.7	2226.2	2208.0	2192.1
177.5°	2299.1	2293.6	2273.6	2273.6	2280.9	2269.9	2262.7	2255.4	2246.3	2240.8	2235.3
180°	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6



TEST NUMBER: P1428486

CATALOG NUMBER: SQ2W-PW1-K-150U-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°	21.6	21.9	24.1	25.2	27.0	26.1	27.0	25.2	24.1	21.9	21.6
90°	52.4	68.3	84.2	93.3	102.4	97.9	102.4	93.3	84.2	68.3	52.4
92.5°	105.2	132.0	151.6	168.0	175.3	174.4	175.3	168.0	151.6	132.0	105.2
95°	211.7	243.6	275.4	298.2	311.9	307.3	311.9	298.2	275.4	243.6	211.7
97.5°	326.4	369.2	404.7	426.1	439.8	448.9	439.8	426.1	404.7	369.2	326.4
100°	402.9	443.9	484.9	509.9	532.7	541.8	532.7	509.9	484.9	443.9	402.9
102.5°	464.8	518.5	563.2	590.0	609.1	618.2	609.1	590.0	563.2	518.5	464.8
105°	566.8	623.7	671.5	705.7	726.1	733.0	726.1	705.7	671.5	623.7	566.8
107.5°	668.8	727.5	771.7	809.5	834.5	849.1	834.5	809.5	771.7	727.5	668.8
110°	748.9	796.7	844.5	878.7	903.7	912.8	903.7	878.7	844.5	796.7	748.9



TEST NUMBER: P1428486

CATALOG NUMBER: SQ2W-PW1-K-150U-125D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	816.3	869.6	917.4	951.5	980.2	992.9	980.2	951.5	917.4	869.6	816.3
115°	910.5	981.1	1024.3	1056.2	1076.7	1088.1	1076.7	1056.2	1024.3	981.1	910.5
117.5°	988.8	1062.6	1109.9	1134.5	1144.1	1152.3	1144.1	1134.5	1109.9	1062.6	988.8
120°	1038.0	1106.3	1160.9	1192.8	1204.2	1208.7	1204.2	1192.8	1160.9	1106.3	1038.0
122.5°	1083.5	1148.2	1201.0	1240.1	1258.8	1263.4	1258.8	1240.1	1201.0	1148.2	1083.5
125°	1147.3	1208.7	1263.4	1302.1	1322.5	1333.9	1322.5	1302.1	1263.4	1208.7	1147.3
127.5°	1202.8	1269.3	1319.4	1354.4	1374.4	1383.5	1374.4	1354.4	1319.4	1269.3	1202.8
130°	1233.8	1302.1	1352.1	1390.8	1409.0	1418.1	1409.0	1390.8	1352.1	1302.1	1233.8
132.5°	1257.4	1329.4	1381.3	1416.3	1436.4	1445.5	1436.4	1416.3	1381.3	1329.4	1257.4
135°	1286.1	1361.2	1415.9	1450.0	1468.2	1477.3	1468.2	1450.0	1415.9	1361.2	1286.1
137.5°	1311.2	1379.5	1436.4	1472.3	1488.7	1494.6	1488.7	1472.3	1436.4	1379.5	1311.2
140°	1329.4	1388.6	1445.5	1479.6	1497.8	1500.1	1497.8	1479.6	1445.5	1388.6	1329.4
142.5°	1353.0	1399.5	1449.1	1483.3	1501.5	1505.6	1501.5	1483.3	1449.1	1399.5	1353.0
145°	1395.4	1422.7	1456.8	1488.7	1504.6	1509.2	1504.6	1488.7	1456.8	1422.7	1395.4
147.5°	1448.7	1457.3	1475.1	1496.0	1511.5	1514.7	1511.5	1496.0	1475.1	1457.3	1448.7
150°	1488.7	1486.4	1493.3	1506.9	1520.6	1518.3	1520.6	1506.9	1493.3	1486.4	1488.7
152.5°	1534.2	1521.0	1520.6	1527.0	1533.3	1532.9	1533.3	1527.0	1520.6	1521.0	1534.2
155°	1611.6	1586.6	1572.9	1568.4	1568.4	1566.1	1568.4	1568.4	1572.9	1586.6	1611.6
157.5°	1696.8	1661.7	1641.2	1630.3	1627.1	1622.1	1627.1	1630.3	1641.2	1661.7	1696.8
160°	1755.0	1716.3	1695.9	1677.6	1670.8	1664.0	1670.8	1677.6	1695.9	1716.3	1755.0
162.5°	1809.7	1772.8	1750.5	1734.1	1727.3	1716.8	1727.3	1734.1	1750.5	1772.8	1809.7
165°	1898.5	1859.8	1834.7	1821.1	1812.0	1802.8	1812.0	1821.1	1834.7	1859.8	1898.5
167.5°	1987.2	1944.9	1928.5	1913.0	1904.4	1888.0	1904.4	1913.0	1928.5	1944.9	1987.2
170°	2041.9	2003.2	1994.1	1980.4	1964.5	1946.3	1964.5	1980.4	1994.1	2003.2	2041.9
172.5°	2089.2	2063.3	2054.2	2040.5	2035.5	2020.9	2035.5	2040.5	2054.2	2063.3	2089.2
175°	2158.0	2137.5	2137.5	2135.2	2128.4	2114.7	2128.4	2135.2	2137.5	2137.5	2158.0
177.5°	2215.3	2204.4	2211.7	2211.7	2209.9	2197.1	2209.9	2211.7	2211.7	2204.4	2215.3
180°	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6



TEST NUMBER: P1428486

CATALOG NUMBER: SQ2W-PW1-K-150U-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°	24.2	24.0	19.2	14.5
90°	41.0	25.0	15.9	6.8
92.5°	88.3	61.5	43.3	25.0
95°	177.6	141.1	100.2	70.6
97.5°	282.7	224.0	183.5	134.8
100°	339.2	282.3	243.6	191.2
102.5°	401.1	353.3	300.0	247.7
105°	512.2	453.0	391.5	332.3
107.5°	615.1	550.0	476.2	422.9
110°	680.6	610.1	532.7	484.9



TEST NUMBER: P1428486

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**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	744.4	672.0	592.8	545.0
115°	830.9	751.2	678.3	637.4
117.5°	914.2	832.2	755.3	723.0
120°	965.2	883.2	808.1	783.1
122.5°	1007.0	926.9	857.3	846.8
125°	1069.9	987.9	928.7	942.4
127.5°	1120.9	1045.7	1008.4	1038.9
130°	1151.8	1085.8	1063.0	1106.3
132.5°	1179.1	1127.7	1117.7	1177.3
135°	1220.1	1190.5	1199.6	1281.6
137.5°	1268.8	1257.4	1287.9	1391.3
140°	1299.8	1306.6	1349.9	1466.0
142.5°	1341.7	1357.6	1413.6	1537.0
145°	1406.8	1440.9	1513.8	1636.7
147.5°	1480.5	1524.7	1614.8	1740.9
150°	1529.7	1586.6	1682.2	1802.8
152.5°	1586.1	1644.9	1740.5	1862.9
155°	1673.1	1739.1	1839.3	1944.0
157.5°	1761.9	1829.3	1924.9	2016.4
160°	1816.5	1889.3	1975.8	2060.1
162.5°	1878.4	1945.8	2021.4	2096.5
165°	1969.0	2023.7	2085.1	2148.8
167.5°	2045.0	2090.6	2138.8	2188.5
170°	2094.2	2130.6	2171.6	2210.3
172.5°	2136.1	2165.2	2195.3	2228.5
175°	2192.1	2208.0	2226.2	2246.7
177.5°	2235.3	2240.8	2246.3	2255.4
180°	2253.6	2253.6	2253.6	2253.6



TEST NUMBER: P1428486  
 CATALOG NUMBER: SQ2W-PW1-K-150U-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	20.17	20.98	21.14	21.96	23.25	16.41	17.23	17.39	18.21	19.50
	3H	21.46	22.20	22.45	23.19	24.49	17.68	18.41	18.66	19.40	20.71
	4H	21.87	22.56	22.87	23.56	24.87	18.19	18.88	19.18	19.87	21.19
	6H	22.05	22.68	23.06	23.68	25.01	18.49	19.13	19.50	20.12	21.45
	8H	22.09	22.69	23.10	23.71	25.03	18.60	19.21	19.62	20.22	21.55
	12H	22.09	22.66	23.11	23.67	25.02	18.63	19.21	19.65	20.22	21.56
4H	2H	20.29	20.98	21.30	21.98	23.29	17.22	17.91	18.22	18.90	20.22
	3H	21.83	22.40	22.84	23.42	24.75	18.66	19.24	19.67	20.26	21.59
	4H	22.37	22.90	23.39	23.91	25.26	19.24	19.76	20.26	20.78	22.13
	6H	22.68	23.13	23.71	24.17	25.52	19.62	20.07	20.65	21.11	22.46
	8H	22.77	23.19	23.80	24.22	25.59	19.77	20.19	20.80	21.22	22.59
	12H	22.79	23.17	23.84	24.22	25.59	19.81	20.19	20.86	21.24	22.60
8H	4H	22.41	22.83	23.44	23.86	25.22	19.58	20.00	20.61	21.03	22.39
	6H	22.83	23.17	23.88	24.25	25.61	20.07	20.42	21.12	21.49	22.85
	8H	23.00	23.30	24.06	24.36	25.74	20.29	20.59	21.35	21.65	23.03
	12H	23.08	23.34	24.14	24.40	25.82	20.37	20.64	21.44	21.69	23.11
12H	4H	22.37	22.74	23.41	23.79	25.16	19.60	19.97	20.64	21.02	22.39
	6H	22.82	23.13	23.88	24.19	25.57	20.15	20.45	21.21	21.51	22.89
	8H	23.01	23.28	24.07	24.33	25.75	20.39	20.66	21.45	21.71	23.13