

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: P1428318

Luminaire Tested: SQ2W-PR1-K-150U-125D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428318  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-PR1-K-150U-125D-L835-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE RIPPLE 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**

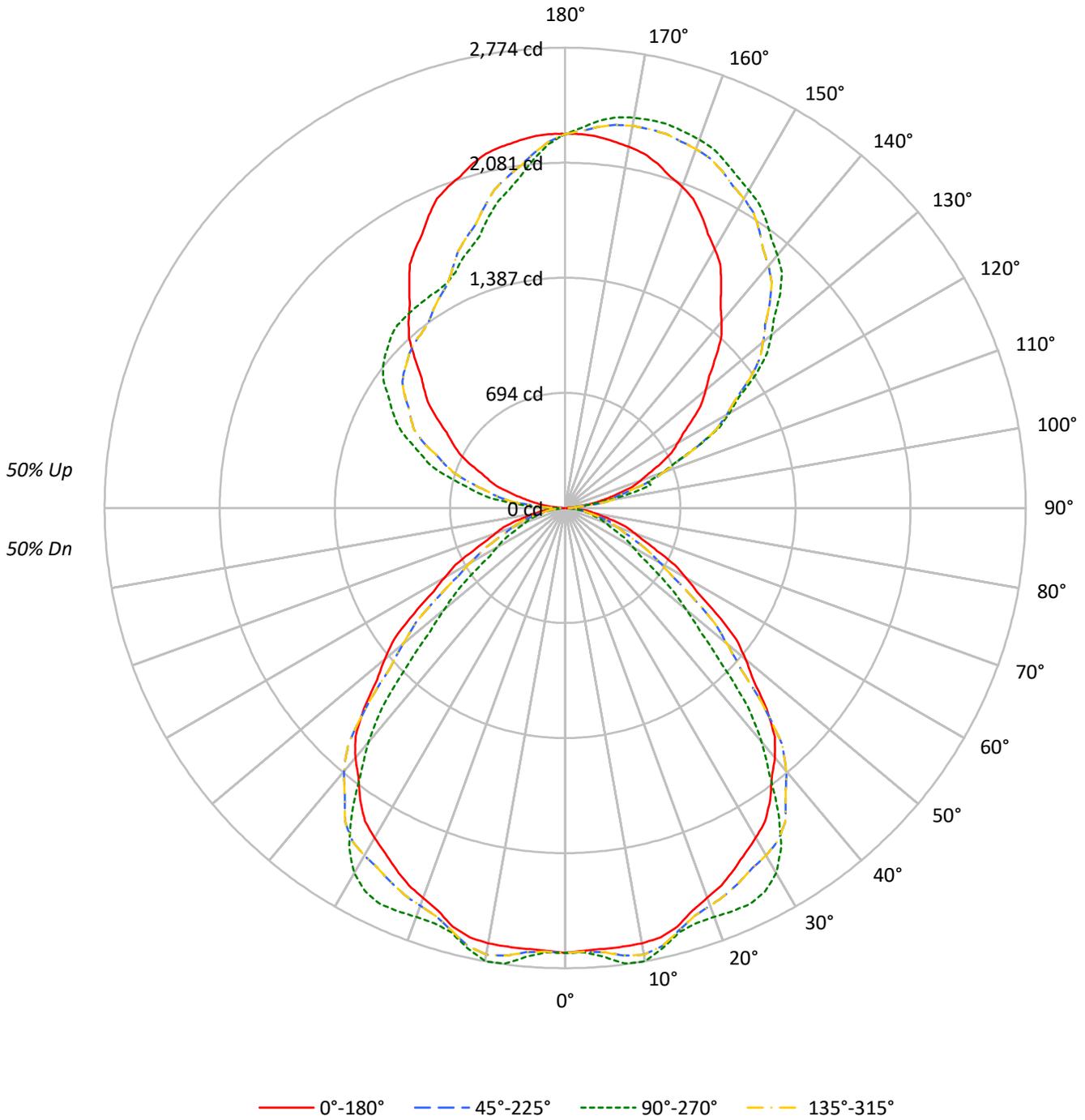
Lumens per Lamp: N/A  
Luminaire Lumens: 13039.5 lumens  
Efficiency: N/A  
Efficacy: 125.0 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 104.3  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50				
1	98	94	91	87	91	87	84	81	74	72	69	61	60	59	50	49	48	43				
2	90	83	77	72	83	77	72	68	65	62	58	55	52	50	45	43	42	37				
3	82	73	66	61	76	68	62	57	58	54	50	49	46	43	40	38	36	32				
4	76	65	58	52	70	61	54	49	52	47	43	44	40	37	36	34	31	28				
5	70	58	51	45	64	54	47	42	47	41	37	40	36	32	33	30	28	25				
6	64	53	45	39	59	49	42	37	42	37	33	36	32	29	30	27	25	22				
7	59	48	40	34	55	44	37	33	38	33	29	33	29	25	27	24	22	19				
8	55	43	36	30	51	40	34	29	35	30	26	30	26	23	25	22	20	17				
9	51	40	32	27	48	37	30	26	32	27	23	28	24	21	23	20	18	16				
10	48	36	29	24	44	34	28	23	30	24	21	26	21	19	22	19	16	14				

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

	0°	90°	180°	270°
0°	43288	43288	43288	43288
5°	43231	44029	43231	44029
10°	43687	45479	43687	45479
15°	43673	44267	43673	44267
20°	42966	45080	42966	45080
25°	42846	46934	42846	46934
30°	42799	47386	42799	47386
35°	42394	44119	42394	44119
40°	41417	38825	41417	38825
45°	39189	30704	39189	30704
50°	35627	23822	35627	23822
55°	31310	18542	31310	18542
60°	27092	15267	27092	15267
65°	23388	13364	23388	13364
70°	21030	11868	21030	11868
75°	19263	10911	19263	10911
80°	16773	10674	16773	10674
85°	12152	5057	12152	5057

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 42075 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	258.9	2.0
10°-20°	749.5	5.7
20°-30°	1158.7	8.9
30°-40°	1393.4	10.7
40°-50°	1251.3	9.6
50°-60°	838.4	6.4
60°-70°	487.7	3.7
70°-80°	250.5	1.9
80°-90°	71.1	0.5
90°-100°	179.4	1.4
100°-110°	523.0	4.0
110°-120°	853.6	6.5
120°-130°	1083.1	8.3
130°-140°	1158.9	8.9
140°-150°	1082.2	8.3
150°-160°	890.5	6.8
160°-170°	597.2	4.6
170°-180°	212.1	1.6
0°-30°	2167.1	16.6
0°-40°	3560.5	27.3
0°-60°	5650.2	43.3
0°-90°	6459.5	49.5
90°-120°	1556.0	11.9
90°-150°	4880.2	37.4
90°-180°	6580.0	50.5
0°-180°	13039.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2681	2681	2681	2681	2681	
5°	2667	2717	2667	2717	2667	255
15°	2613	2648	2613	2648	2613	734
25°	2405	2635	2405	2635	2405	1109
35°	2151	2238	2151	2238	2151	1341
45°	1716	1345	1716	1345	1716	1313
55°	1112	659	1112	659	1112	1000
65°	612	350	612	350	612	619
75°	309	175	309	175	309	328
85°	66	27	66	27	66	81
90°	7	50	7	98	7	8
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°	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1
2.5°	2670.2	2684.7	2699.3	2692.8	2679.2	2672.8	2673.8	2675.3	2678.2	2681.1	2678.2
5°	2667.4	2688.1	2708.7	2703.9	2690.5	2685.1	2687.5	2692.3	2704.5	2716.6	2704.5
7.5°	2666.9	2696.3	2725.7	2727.9	2721.1	2721.2	2728.3	2737.6	2753.6	2769.7	2753.6
10°	2664.7	2699.9	2735.2	2740.3	2735.5	2733.6	2734.9	2740.0	2757.0	2774.0	2757.0
12.5°	2651.6	2692.6	2733.7	2729.4	2710.0	2699.4	2697.7	2698.7	2707.9	2717.2	2707.9
15°	2612.8	2661.4	2710.0	2690.2	2647.7	2628.3	2631.9	2636.2	2642.2	2648.3	2642.2
17.5°	2544.5	2595.2	2646.0	2628.3	2587.7	2574.0	2587.1	2599.9	2611.8	2623.7	2611.8
20°	2500.7	2550.5	2600.3	2588.2	2555.4	2547.5	2564.5	2582.4	2603.1	2623.7	2603.1
22.5°	2461.4	2511.2	2561.0	2553.2	2526.2	2524.7	2548.5	2573.4	2601.8	2630.3	2601.8
25°	2405.1	2448.8	2492.5	2493.4	2480.1	2493.4	2533.5	2571.5	2603.1	2634.6	2603.1
27.5°	2346.0	2371.8	2397.5	2414.5	2428.6	2462.8	2516.9	2563.1	2585.2	2607.3	2585.2
30°	2295.7	2312.8	2329.8	2361.3	2397.8	2439.7	2487.1	2524.7	2533.2	2541.7	2533.2
32.5°	2241.1	2251.3	2261.5	2306.0	2361.8	2402.3	2427.3	2443.3	2432.4	2421.5	2432.4
35°	2150.9	2159.4	2167.9	2224.7	2297.6	2324.3	2304.9	2284.5	2261.4	2238.4	2261.4
37.5°	2043.8	2061.3	2078.7	2125.0	2180.9	2180.4	2123.6	2074.3	2047.8	2021.4	2047.8
40°	1965.1	1994.2	2023.4	2054.3	2085.9	2059.2	1974.2	1902.8	1872.4	1842.1	1872.4
42.5°	1868.8	1915.5	1962.1	1969.1	1962.7	1905.4	1797.1	1706.5	1669.3	1632.2	1669.3
45°	1716.3	1779.5	1842.7	1806.5	1737.3	1643.8	1525.9	1427.3	1386.0	1344.7	1386.0
47.5°	1536.5	1601.4	1666.2	1598.1	1485.6	1376.8	1271.6	1183.0	1144.4	1105.8	1144.4
50°	1418.4	1470.7	1522.9	1445.8	1325.5	1216.2	1117.8	1033.4	990.9	948.4	990.9
52.5°	1298.2	1335.8	1373.5	1297.1	1182.7	1076.3	977.9	894.4	855.8	817.2	855.8
55°	1112.3	1131.8	1151.2	1080.5	979.6	882.5	788.9	712.1	685.4	658.7	685.4
57.5°	941.8	954.2	966.6	899.5	806.0	719.5	640.1	575.6	555.9	536.2	555.9
60°	839.0	847.5	856.0	788.0	694.5	616.8	554.8	504.4	488.6	472.8	488.6
62.5°	745.0	751.6	758.1	692.6	602.9	533.4	484.1	444.1	432.2	420.3	432.2
65°	612.2	618.3	624.3	568.5	491.9	434.9	397.2	366.8	358.3	349.8	358.3
67.5°	506.7	509.9	513.0	467.0	404.5	358.5	328.9	304.6	296.6	288.6	296.6
70°	445.5	446.7	447.9	407.2	352.6	311.9	285.1	263.6	257.5	251.4	257.5
72.5°	390.8	389.1	387.4	351.1	303.2	268.4	246.5	229.1	225.0	220.8	225.0
75°	308.8	305.2	301.5	271.5	232.6	205.9	191.3	179.8	177.3	174.9	177.3
77.5°	230.7	226.8	222.9	197.9	165.8	147.3	142.5	138.8	138.8	138.8	138.8
80°	180.4	175.5	170.7	151.2	126.9	114.8	114.8	114.8	114.8	114.8	114.8
82.5°	134.5	127.7	120.9	109.0	95.4	88.6	88.6	88.3	87.3	86.4	87.3
85°	65.6	59.5	53.4	51.9	51.9	48.3	41.0	34.6	31.0	27.3	31.0
87.5°	18.9	20.7	23.0	21.1	17.6	15.7	15.7	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°	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1
2.5°	2675.3	2673.8	2672.8	2679.2	2692.8	2699.3	2684.7	2670.2	2684.7	2699.3	2692.8
5°	2692.3	2687.5	2685.1	2690.5	2703.9	2708.7	2688.1	2667.4	2688.1	2708.7	2703.9
7.5°	2737.6	2728.3	2721.2	2721.1	2727.9	2725.7	2696.3	2666.9	2696.3	2725.7	2727.9
10°	2740.0	2734.9	2733.6	2735.5	2740.3	2735.2	2699.9	2664.7	2699.9	2735.2	2740.3
12.5°	2698.7	2697.7	2699.4	2710.0	2729.4	2733.7	2692.6	2651.6	2692.6	2733.7	2729.4
15°	2636.2	2631.9	2628.3	2647.7	2690.2	2710.0	2661.4	2612.8	2661.4	2710.0	2690.2
17.5°	2599.9	2587.1	2574.0	2587.7	2628.3	2646.0	2595.2	2544.5	2595.2	2646.0	2628.3
20°	2582.4	2564.5	2547.5	2555.4	2588.2	2600.3	2550.5	2500.7	2550.5	2600.3	2588.2
22.5°	2573.4	2548.5	2524.7	2526.2	2553.2	2561.0	2511.2	2461.4	2511.2	2561.0	2553.2
25°	2571.5	2533.5	2493.4	2480.1	2493.4	2492.5	2448.8	2405.1	2448.8	2492.5	2493.4
27.5°	2563.1	2516.9	2462.8	2428.6	2414.5	2397.5	2371.8	2346.0	2371.8	2397.5	2414.5
30°	2524.7	2487.1	2439.7	2397.8	2361.3	2329.8	2312.8	2295.7	2312.8	2329.8	2361.3
32.5°	2443.3	2427.3	2402.3	2361.8	2306.0	2261.5	2251.3	2241.1	2251.3	2261.5	2306.0
35°	2284.5	2304.9	2324.3	2297.6	2224.7	2167.9	2159.4	2150.9	2159.4	2167.9	2224.7
37.5°	2074.3	2123.6	2180.4	2180.9	2125.0	2078.7	2061.3	2043.8	2061.3	2078.7	2125.0
40°	1902.8	1974.2	2059.2	2085.9	2054.3	2023.4	1994.2	1965.1	1994.2	2023.4	2054.3
42.5°	1706.5	1797.1	1905.4	1962.7	1969.1	1962.1	1915.5	1868.8	1915.5	1962.1	1969.1
45°	1427.3	1525.9	1643.8	1737.3	1806.5	1842.7	1779.5	1716.3	1779.5	1842.7	1806.5
47.5°	1183.0	1271.6	1376.8	1485.6	1598.1	1666.2	1601.4	1536.5	1601.4	1666.2	1598.1
50°	1033.4	1117.8	1216.2	1325.5	1445.8	1522.9	1470.7	1418.4	1470.7	1522.9	1445.8
52.5°	894.4	977.9	1076.3	1182.7	1297.1	1373.5	1335.8	1298.2	1335.8	1373.5	1297.1
55°	712.1	788.9	882.5	979.6	1080.5	1151.2	1131.8	1112.3	1131.8	1151.2	1080.5
57.5°	575.6	640.1	719.5	806.0	899.5	966.6	954.2	941.8	954.2	966.6	899.5
60°	504.4	554.8	616.8	694.5	788.0	856.0	847.5	839.0	847.5	856.0	788.0
62.5°	444.1	484.1	533.4	602.9	692.6	758.1	751.6	745.0	751.6	758.1	692.6
65°	366.8	397.2	434.9	491.9	568.5	624.3	618.3	612.2	618.3	624.3	568.5
67.5°	304.6	328.9	358.5	404.5	467.0	513.0	509.9	506.7	509.9	513.0	467.0
70°	263.6	285.1	311.9	352.6	407.2	447.9	446.7	445.5	446.7	447.9	407.2
72.5°	229.1	246.5	268.4	303.2	351.1	387.4	389.1	390.8	389.1	387.4	351.1
75°	179.8	191.3	205.9	232.6	271.5	301.5	305.2	308.8	305.2	301.5	271.5
77.5°	138.8	142.5	147.3	165.8	197.9	222.9	226.8	230.7	226.8	222.9	197.9
80°	114.8	114.8	114.8	126.9	151.2	170.7	175.5	180.4	175.5	170.7	151.2
82.5°	88.3	88.6	88.6	95.4	109.0	120.9	127.7	134.5	127.7	120.9	109.0
85°	34.6	41.0	48.3	51.9	51.9	53.4	59.5	65.6	59.5	53.4	51.9
87.5°	16.1	15.7	15.7	17.6	21.1	23.0	20.7	18.9	20.7	22.5	22.0
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: P1428318

CATALOG NUMBER: SQ2W-PR1-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: P1428318

CATALOG NUMBER: SQ2W-PR1-K-150U-125D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1	2681.1
2.5°	2679.2	2672.8	2673.8	2675.3	2678.2	2681.1	2678.2	2675.3	2673.8	2672.8	2679.2
5°	2690.5	2685.1	2687.5	2692.3	2704.5	2716.6	2704.5	2692.3	2687.5	2685.1	2690.5
7.5°	2721.1	2721.2	2728.3	2737.6	2753.6	2769.7	2753.6	2737.6	2728.3	2721.2	2721.1
10°	2735.5	2733.6	2734.9	2740.0	2757.0	2774.0	2757.0	2740.0	2734.9	2733.6	2735.5
12.5°	2710.0	2699.4	2697.7	2698.7	2707.9	2717.2	2707.9	2698.7	2697.7	2699.4	2710.0
15°	2647.7	2628.3	2631.9	2636.2	2642.2	2648.3	2642.2	2636.2	2631.9	2628.3	2647.7
17.5°	2587.7	2574.0	2587.1	2599.9	2611.8	2623.7	2611.8	2599.9	2587.1	2574.0	2587.7
20°	2555.4	2547.5	2564.5	2582.4	2603.1	2623.7	2603.1	2582.4	2564.5	2547.5	2555.4
22.5°	2526.2	2524.7	2548.5	2573.4	2601.8	2630.3	2601.8	2573.4	2548.5	2524.7	2526.2
25°	2480.1	2493.4	2533.5	2571.5	2603.1	2634.6	2603.1	2571.5	2533.5	2493.4	2480.1
27.5°	2428.6	2462.8	2516.9	2563.1	2585.2	2607.3	2585.2	2563.1	2516.9	2462.8	2428.6
30°	2397.8	2439.7	2487.1	2524.7	2533.2	2541.7	2533.2	2524.7	2487.1	2439.7	2397.8
32.5°	2361.8	2402.3	2427.3	2443.3	2432.4	2421.5	2432.4	2443.3	2427.3	2402.3	2361.8
35°	2297.6	2324.3	2304.9	2284.5	2261.4	2238.4	2261.4	2284.5	2304.9	2324.3	2297.6
37.5°	2180.9	2180.4	2123.6	2074.3	2047.8	2021.4	2047.8	2074.3	2123.6	2180.4	2180.9
40°	2085.9	2059.2	1974.2	1902.8	1872.4	1842.1	1872.4	1902.8	1974.2	2059.2	2085.9
42.5°	1962.7	1905.4	1797.1	1706.5	1669.3	1632.2	1669.3	1706.5	1797.1	1905.4	1962.7
45°	1737.3	1643.8	1525.9	1427.3	1386.0	1344.7	1386.0	1427.3	1525.9	1643.8	1737.3
47.5°	1485.6	1376.8	1271.6	1183.0	1144.4	1105.8	1144.4	1183.0	1271.6	1376.8	1485.6
50°	1325.5	1216.2	1117.8	1033.4	990.9	948.4	990.9	1033.4	1117.8	1216.2	1325.5
52.5°	1182.7	1076.3	977.9	894.4	855.8	817.2	855.8	894.4	977.9	1076.3	1182.7
55°	979.6	882.5	788.9	712.1	685.4	658.7	685.4	712.1	788.9	882.5	979.6
57.5°	806.0	719.5	640.1	575.6	555.9	536.2	555.9	575.6	640.1	719.5	806.0
60°	694.5	616.8	554.8	504.4	488.6	472.8	488.6	504.4	554.8	616.8	694.5
62.5°	602.9	533.4	484.1	444.1	432.2	420.3	432.2	444.1	484.1	533.4	602.9
65°	491.9	434.9	397.2	366.8	358.3	349.8	358.3	366.8	397.2	434.9	491.9
67.5°	404.5	358.5	328.9	304.6	296.6	288.6	296.6	304.6	328.9	358.5	404.5
70°	352.6	311.9	285.1	263.6	257.5	251.4	257.5	263.6	285.1	311.9	352.6
72.5°	303.2	268.4	246.5	229.1	225.0	220.8	225.0	229.1	246.5	268.4	303.2
75°	232.6	205.9	191.3	179.8	177.3	174.9	177.3	179.8	191.3	205.9	232.6
77.5°	165.8	147.3	142.5	138.8	138.8	138.8	138.8	138.8	142.5	147.3	165.8
80°	126.9	114.8	114.8	114.8	114.8	114.8	114.8	114.8	114.8	114.8	126.9
82.5°	95.4	88.6	88.6	88.3	87.3	86.4	87.3	88.3	88.6	88.6	95.4
85°	51.9	48.3	41.0	34.6	31.0	27.3	31.0	34.6	41.0	48.3	51.9
87.5°	19.5	20.2	23.4	25.2	27.0	26.1	27.0	25.2	23.4	20.2	19.5
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: P1428318

CATALOG NUMBER: SQ2W-PR1-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: P1428318

CATALOG NUMBER: SQ2W-PR1-K-150U-125D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	2681.1	2681.1	2681.1	2681.1
2.5°	2692.8	2699.3	2684.7	2670.2
5°	2703.9	2708.7	2688.1	2667.4
7.5°	2727.9	2725.7	2696.3	2666.9
10°	2740.3	2735.2	2699.9	2664.7
12.5°	2729.4	2733.7	2692.6	2651.6
15°	2690.2	2710.0	2661.4	2612.8
17.5°	2628.3	2646.0	2595.2	2544.5
20°	2588.2	2600.3	2550.5	2500.7
22.5°	2553.2	2561.0	2511.2	2461.4
25°	2493.4	2492.5	2448.8	2405.1
27.5°	2414.5	2397.5	2371.8	2346.0
30°	2361.3	2329.8	2312.8	2295.7
32.5°	2306.0	2261.5	2251.3	2241.1
35°	2224.7	2167.9	2159.4	2150.9
37.5°	2125.0	2078.7	2061.3	2043.8
40°	2054.3	2023.4	1994.2	1965.1
42.5°	1969.1	1962.1	1915.5	1868.8
45°	1806.5	1842.7	1779.5	1716.3
47.5°	1598.1	1666.2	1601.4	1536.5
50°	1445.8	1522.9	1470.7	1418.4
52.5°	1297.1	1373.5	1335.8	1298.2
55°	1080.5	1151.2	1131.8	1112.3
57.5°	899.5	966.6	954.2	941.8
60°	788.0	856.0	847.5	839.0
62.5°	692.6	758.1	751.6	745.0
65°	568.5	624.3	618.3	612.2
67.5°	467.0	513.0	509.9	506.7
70°	407.2	447.9	446.7	445.5
72.5°	351.1	387.4	389.1	390.8
75°	271.5	301.5	305.2	308.8
77.5°	197.9	222.9	226.8	230.7
80°	151.2	170.7	175.5	180.4
82.5°	109.0	120.9	127.7	134.5
85°	51.9	53.4	59.5	65.6
87.5°	22.0	22.5	20.7	18.9
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

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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: P1428318  
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**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	19.72	20.54	20.69	21.51	22.79	16.09	16.91	17.06	17.88	19.16
	3H	20.92	21.65	21.90	22.64	23.94	17.25	17.98	18.23	18.96	20.27
	4H	21.40	22.09	22.40	23.09	24.40	17.71	18.40	18.70	19.39	20.70
	6H	21.70	22.33	22.71	23.33	24.65	18.05	18.68	19.05	19.68	21.00
	8H	21.80	22.41	22.81	23.42	24.74	18.18	18.79	19.19	19.80	21.12
	12H	21.84	22.41	22.86	23.42	24.76	18.21	18.79	19.23	19.79	21.14
4H	2H	19.82	20.51	20.82	21.50	22.81	16.79	17.48	17.79	18.47	19.79
	3H	21.27	21.84	22.28	22.86	24.19	18.14	18.72	19.15	19.74	21.06
	4H	21.90	22.42	22.92	23.43	24.78	18.69	19.21	19.71	20.22	21.57
	6H	22.33	22.78	23.36	23.81	25.16	19.12	19.57	20.15	20.60	21.95
	8H	22.49	22.91	23.52	23.93	25.29	19.30	19.72	20.33	20.75	22.11
	12H	22.55	22.93	23.60	23.97	25.34	19.35	19.72	20.39	20.77	22.13
8H	4H	21.92	22.34	22.95	23.37	24.73	19.01	19.43	20.04	20.46	21.82
	6H	22.45	22.80	23.50	23.87	25.23	19.55	19.90	20.60	20.97	22.33
	8H	22.69	22.99	23.75	24.05	25.42	19.81	20.12	20.87	21.17	22.55
	12H	22.80	23.07	23.87	24.12	25.54	19.91	20.17	20.97	21.22	22.64
12H	4H	21.88	22.26	22.92	23.30	24.67	19.03	19.41	20.08	20.45	21.82
	6H	22.44	22.75	23.50	23.80	25.18	19.62	19.93	20.68	20.98	22.36
	8H	22.69	22.96	23.75	24.01	25.43	19.91	20.18	20.97	21.23	22.65