

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: P571925

Luminaire Tested: 22ID-30-L850-SWR

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P571925
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2109-397-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/5/2021
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22ID-30-L850-SWR
Description: 3000 LUMEN, 2X2 INDEPTH TROFFER WITH 2IN REGRESSED SWEEP LENS AND 5000K, 80 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3170.9 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.2 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

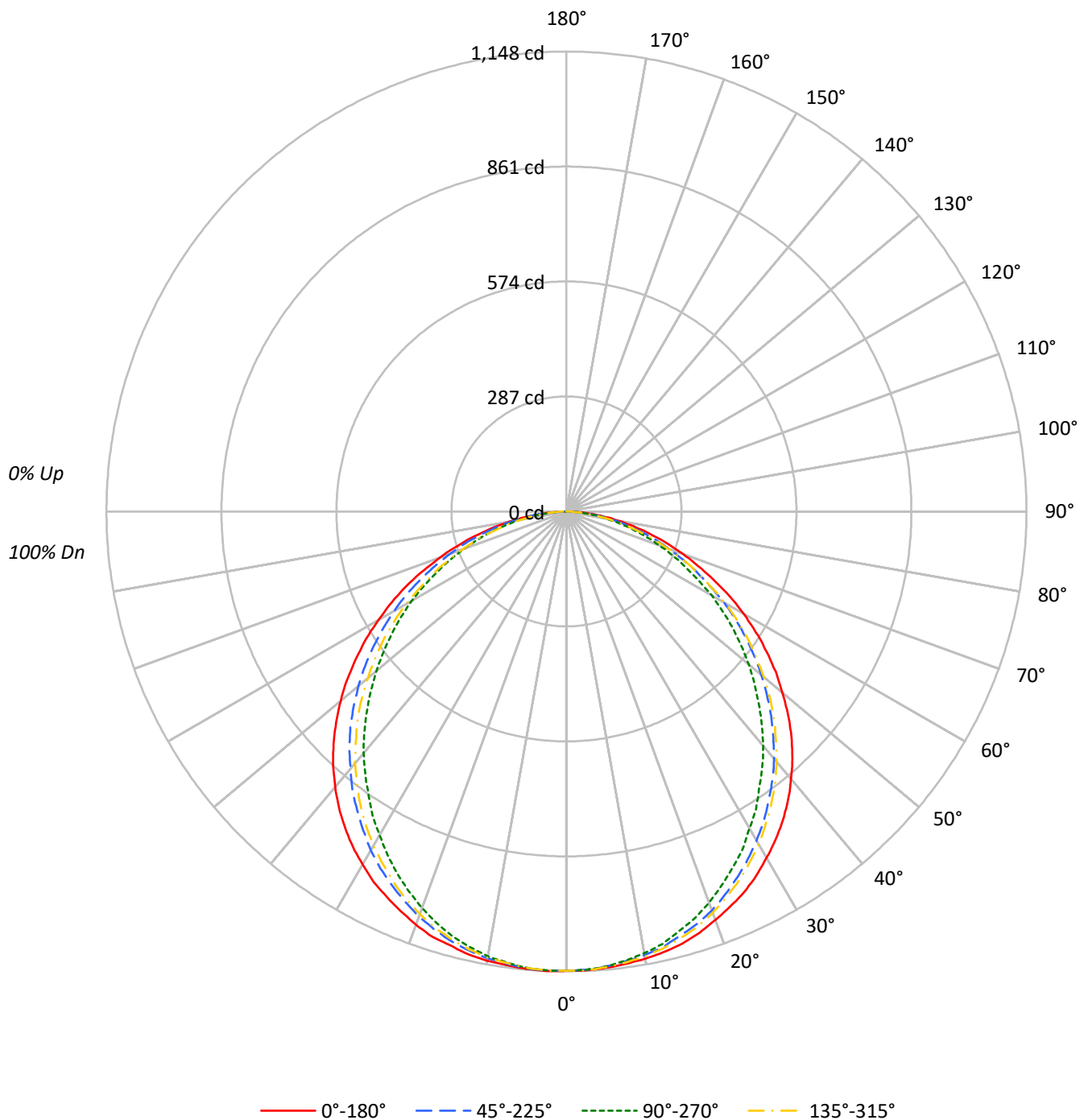
Input Watts (W): 24.2
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P571925

CATALOG NUMBER: 22ID-30-L850-SWR

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				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	76	72
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53
5	76	63	54	48	74	62	54	47	60	53	47	58	52	46	56	51	46
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40
7	65	52	43	37	64	51	43	37	49	42	36	48	41	36	47	41	36
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32
9	57	43	35	30	55	43	35	30	42	34	29	41	34	29	40	33	29
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3085	3085	3085	3085
5°	3089	3080	3097	3089
10°	3099	3060	3111	3081
15°	3111	3023	3124	3058
20°	3108	2977	3144	3017
25°	3114	2913	3152	2965
30°	3103	2838	3161	2897
35°	3094	2758	3166	2830
40°	3065	2683	3153	2766
45°	3021	2583	3129	2679
50°	2947	2486	3079	2591
55°	2860	2372	3007	2497
60°	2746	2246	2916	2399
65°	2587	2086	2808	2257
70°	2429	1933	2640	2131
75°	2244	1752	2456	1982
80°	2025	1537	2173	1782
85°	1652	1263	1701	1507

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 3129 cd/sqm

TEST NUMBER: P571925

CATALOG NUMBER: 22ID-30-L850-SWR

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.6	3.4
10°-20°	311.6	9.8
20°-30°	470.4	14.8
30°-40°	561.6	17.7
40°-50°	573.0	18.1
50°-60°	505.4	15.9
60°-70°	373.5	11.8
70°-80°	210.6	6.6
80°-90°	56.4	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	890.6	28.1
0°-40°	1452.2	45.8
0°-60°	2530.5	79.8
0°-90°	3170.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3170.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1147	1147	1147	1147	1147	
5°	1143	1140	1147	1143	1143	109
15°	1117	1085	1121	1098	1117	315
25°	1049	981	1062	998	1049	483
35°	942	840	964	862	942	589
45°	794	679	822	704	794	611
55°	610	506	641	532	610	545
65°	406	328	441	354	406	404
75°	216	168	236	191	216	229
85°	54	41	55	49	54	63
90°	0	0	0	0	0	

TEST NUMBER: P571925

CATALOG NUMBER: 22ID-30-L850-SWR

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6
2.5°	1146.6	1146.6	1146.6	1146.6	1145.0	1143.4	1143.4	1145.0	1145.0	1143.4	1145.0
5°	1143.4	1143.4	1143.4	1141.9	1140.3	1140.3	1140.3	1140.3	1138.7	1140.3	1140.3
7.5°	1138.7	1138.7	1138.7	1137.1	1135.6	1135.6	1135.6	1134.0	1132.4	1134.0	1132.4
10°	1134.0	1132.4	1132.4	1132.4	1129.3	1127.7	1127.7	1127.7	1126.1	1126.1	1124.5
12.5°	1126.1	1124.5	1124.5	1123.0	1121.4	1119.8	1118.2	1116.7	1115.1	1113.5	1113.5
15°	1116.7	1116.7	1113.5	1111.9	1108.8	1107.2	1105.6	1104.1	1100.9	1099.3	1096.2
17.5°	1102.5	1102.5	1099.3	1097.8	1094.6	1091.5	1091.5	1088.3	1085.2	1082.0	1080.4
20°	1085.2	1086.7	1085.2	1082.0	1077.3	1075.7	1074.1	1071.0	1066.3	1063.1	1060.0
22.5°	1067.8	1069.4	1066.3	1061.5	1058.4	1056.8	1053.7	1048.9	1044.2	1039.5	1034.8
25°	1048.9	1047.4	1044.2	1041.1	1036.3	1034.8	1031.6	1026.9	1019.0	1014.3	1008.0
27.5°	1025.3	1025.3	1020.6	1017.4	1009.6	1009.6	1004.8	998.5	992.2	984.4	979.6
30°	998.5	998.5	995.4	990.7	982.8	981.2	976.5	971.8	962.3	954.4	948.1
32.5°	971.8	970.2	967.0	962.3	954.4	951.3	946.6	940.3	932.4	921.4	916.6
35°	941.8	940.3	935.5	929.2	922.9	919.8	915.1	907.2	899.3	888.3	880.4
37.5°	908.8	907.2	902.5	896.2	888.3	885.1	880.4	872.5	861.5	853.6	844.2
40°	872.5	871.0	867.8	861.5	853.6	850.5	844.2	836.3	823.7	814.3	806.4
42.5°	834.7	833.2	828.4	820.6	814.3	811.1	804.8	796.9	785.9	774.9	763.9
45°	793.8	792.2	787.5	778.0	773.3	768.6	762.3	754.4	745.0	735.5	722.9
47.5°	749.7	748.1	745.0	737.1	727.6	726.1	719.8	711.9	700.9	688.3	678.8
50°	704.0	704.0	699.3	693.0	686.7	682.0	675.7	667.8	653.6	645.7	634.7
52.5°	658.3	656.8	653.6	645.7	641.0	636.3	628.4	623.7	609.5	603.2	590.6
55°	609.5	607.9	601.6	596.9	593.8	589.0	582.7	573.3	565.4	556.0	544.9
57.5°	560.7	559.1	554.4	551.2	544.9	540.2	533.9	527.6	516.6	510.3	499.3
60°	510.3	510.3	507.1	502.4	496.1	491.4	486.7	480.4	470.9	461.5	453.6
62.5°	459.9	459.9	455.2	450.4	447.3	442.6	439.4	431.5	423.7	417.4	404.8
65°	406.3	406.3	400.0	398.5	395.3	392.2	387.4	379.6	374.8	363.8	359.1
67.5°	355.9	357.5	352.8	352.8	348.1	344.9	340.2	333.9	329.2	319.7	315.0
70°	308.7	310.3	307.1	305.5	300.8	297.7	294.5	289.8	283.5	280.3	272.5
72.5°	261.4	263.0	259.9	259.9	255.1	253.6	250.4	247.3	241.0	237.8	229.9
75°	215.8	214.2	214.2	215.8	211.0	209.5	207.9	201.6	198.4	195.3	189.0
77.5°	171.7	171.7	173.2	171.7	168.5	166.9	163.8	159.1	157.5	155.9	149.6
80°	130.7	132.3	132.3	130.7	127.6	126.0	124.4	119.7	118.1	118.1	113.4
82.5°	91.3	91.3	89.8	91.3	88.2	86.6	88.2	83.5	81.9	81.9	78.7
85°	53.5	52.0	52.0	53.5	52.0	52.0	52.0	48.8	48.8	48.8	45.7
87.5°	20.5	20.5	22.0	22.0	20.5	20.5	20.5	20.5	18.9	18.9	17.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571925

CATALOG NUMBER: 22ID-30-L850-SWR

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6
2.5°	1143.4	1143.4	1143.4	1143.4	1145.0	1143.4	1145.0	1145.0	1146.6	1145.0	1146.6
5°	1140.3	1140.3	1138.7	1138.7	1138.7	1138.7	1138.7	1138.7	1138.7	1140.3	1140.3
7.5°	1132.4	1132.4	1130.8	1130.8	1130.8	1130.8	1129.3	1129.3	1130.8	1130.8	1130.8
10°	1123.0	1121.4	1119.8	1119.8	1119.8	1119.8	1118.2	1119.8	1119.8	1119.8	1119.8
12.5°	1108.8	1108.8	1107.2	1105.6	1105.6	1105.6	1104.1	1105.6	1105.6	1105.6	1105.6
15°	1094.6	1093.0	1091.5	1088.3	1088.3	1086.7	1085.2	1086.7	1085.2	1085.2	1086.7
17.5°	1074.1	1074.1	1071.0	1069.4	1067.8	1066.3	1064.7	1064.7	1064.7	1064.7	1067.8
20°	1053.7	1052.1	1048.9	1042.6	1044.2	1042.6	1039.5	1041.1	1041.1	1039.5	1039.5
22.5°	1031.6	1025.3	1022.2	1015.9	1017.4	1014.3	1012.7	1014.3	1012.7	1011.1	1014.3
25°	1001.7	998.5	990.7	990.7	987.5	985.9	985.9	984.4	982.8	981.2	984.4
27.5°	974.9	968.6	963.9	957.6	954.4	954.4	952.9	951.3	948.1	951.3	951.3
30°	941.8	935.5	927.7	924.5	921.4	921.4	918.2	916.6	913.5	913.5	918.2
32.5°	910.3	900.9	893.0	888.3	886.7	885.1	883.6	877.3	878.8	880.4	882.0
35°	872.5	864.7	858.4	853.6	848.9	847.3	845.8	841.0	841.0	839.5	844.2
37.5°	836.3	826.9	822.1	814.3	811.1	808.0	806.4	803.2	801.7	803.2	804.8
40°	796.9	789.1	781.2	773.3	770.2	768.6	763.9	763.9	760.7	763.9	763.9
42.5°	756.0	748.1	738.7	732.4	729.2	726.1	722.9	721.3	721.3	721.3	722.9
45°	715.0	705.6	696.1	689.8	686.7	685.1	680.4	678.8	675.7	678.8	680.4
47.5°	670.9	663.1	653.6	648.9	644.2	642.6	637.9	634.7	633.1	636.3	636.3
50°	626.8	619.0	611.1	604.8	600.1	598.5	593.8	593.8	590.6	593.8	593.8
52.5°	582.7	574.9	567.0	559.1	556.0	554.4	549.7	549.7	549.7	549.7	549.7
55°	538.6	527.6	522.9	515.0	511.9	510.3	508.7	504.0	505.6	505.6	505.6
57.5°	493.0	485.1	475.6	472.5	467.8	466.2	466.2	459.9	458.3	461.5	461.5
60°	447.3	441.0	431.5	426.8	423.7	423.7	418.9	412.6	411.1	417.4	417.4
62.5°	400.0	390.6	385.9	381.1	378.0	376.4	374.8	370.1	371.7	370.1	370.1
65°	355.9	346.5	343.3	338.6	335.5	333.9	332.3	329.2	326.0	327.6	327.6
67.5°	311.8	304.0	299.2	296.1	292.9	292.9	289.8	286.6	288.2	286.6	286.6
70°	269.3	263.0	256.7	255.1	252.0	252.0	250.4	248.8	247.3	245.7	245.7
72.5°	228.4	222.1	217.3	214.2	212.6	212.6	211.0	206.3	207.9	206.3	206.3
75°	185.8	181.1	179.5	176.4	174.8	174.8	173.2	170.1	171.7	168.5	165.4
77.5°	148.0	143.3	141.7	140.2	141.7	140.2	135.4	137.0	135.4	132.3	132.3
80°	113.4	108.7	108.7	105.5	103.9	103.9	102.4	102.4	100.8	99.2	99.2
82.5°	77.2	75.6	74.0	72.4	70.9	74.0	70.9	69.3	69.3	69.3	67.7
85°	44.1	44.1	42.5	42.5	40.9	42.5	40.9	39.4	40.9	40.9	37.8
87.5°	17.3	18.9	15.7	15.7	15.7	15.7	14.2	15.7	15.7	15.7	14.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571925

CATALOG NUMBER: 22ID-30-L850-SWR

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6
2.5°	1146.6	1145.0	1145.0	1145.0	1145.0	1143.4	1145.0	1145.0	1146.6	1145.0	1145.0
5°	1140.3	1138.7	1140.3	1138.7	1138.7	1140.3	1140.3	1141.9	1141.9	1143.4	1143.4
7.5°	1130.8	1130.8	1130.8	1130.8	1130.8	1132.4	1132.4	1134.0	1135.6	1135.6	1137.1
10°	1119.8	1119.8	1121.4	1119.8	1121.4	1123.0	1124.5	1126.1	1127.7	1129.3	1129.3
12.5°	1105.6	1105.6	1105.6	1108.8	1108.8	1110.4	1111.9	1115.1	1116.7	1119.8	1119.8
15°	1086.7	1086.7	1089.9	1089.9	1091.5	1094.6	1097.8	1099.3	1102.5	1105.6	1107.2
17.5°	1066.3	1066.3	1069.4	1069.4	1071.0	1075.7	1078.9	1080.4	1086.7	1089.9	1093.0
20°	1042.6	1042.6	1047.4	1045.8	1048.9	1053.7	1056.8	1061.5	1066.3	1071.0	1074.1
22.5°	1014.3	1015.9	1020.6	1020.6	1022.2	1028.5	1033.2	1037.9	1042.6	1048.9	1053.7
25°	984.4	985.9	990.7	992.2	993.8	1000.1	1006.4	1009.6	1017.4	1025.3	1028.5
27.5°	951.3	954.4	957.6	959.2	962.3	970.2	976.5	982.8	989.1	997.0	1003.3
30°	918.2	921.4	924.5	926.1	929.2	937.1	943.4	951.3	959.2	967.0	973.3
32.5°	880.4	885.1	888.3	891.4	893.0	902.5	910.3	918.2	926.1	935.5	943.4
35°	844.2	848.9	852.1	853.6	856.8	866.2	872.5	880.4	891.4	900.9	908.8
37.5°	804.8	808.0	814.3	814.3	817.4	828.4	836.3	844.2	855.2	864.7	874.1
40°	765.4	767.0	773.3	774.9	778.0	789.1	796.9	808.0	815.8	826.9	836.3
42.5°	722.9	727.6	733.9	737.1	740.2	746.5	752.8	765.4	773.3	785.9	795.4
45°	680.4	685.1	688.3	689.8	697.7	704.0	710.3	722.9	732.4	743.4	754.4
47.5°	637.9	641.0	645.7	652.0	655.2	661.5	666.2	678.8	688.3	700.9	710.3
50°	593.8	598.5	601.6	603.2	609.5	617.4	623.7	634.7	642.6	655.2	666.2
52.5°	549.7	556.0	556.0	562.3	565.4	568.6	578.0	589.0	596.9	607.9	619.0
55°	507.1	510.3	515.0	516.6	521.3	524.5	530.8	541.8	551.2	562.3	573.3
57.5°	459.9	463.0	466.2	472.5	475.6	481.9	488.2	496.1	504.0	515.0	522.9
60°	414.2	418.9	422.1	426.8	426.8	434.7	442.6	450.4	456.7	467.8	475.6
62.5°	373.3	373.3	373.3	379.6	378.0	384.3	390.6	400.0	406.3	420.5	430.0
65°	329.2	330.7	330.7	335.5	333.9	340.2	344.9	354.4	360.7	368.5	378.0
67.5°	286.6	286.6	288.2	292.9	291.4	296.1	304.0	308.7	313.4	322.9	330.7
70°	242.5	244.1	245.7	250.4	248.8	255.1	259.9	263.0	269.3	275.6	281.9
72.5°	204.7	204.7	209.5	209.5	207.9	212.6	217.3	220.5	223.6	231.5	239.4
75°	168.5	166.9	170.1	170.1	168.5	170.1	173.2	178.0	181.1	187.4	193.7
77.5°	132.3	130.7	133.9	133.9	133.9	132.3	137.0	138.6	140.2	143.3	149.6
80°	97.6	96.1	99.2	99.2	96.1	97.6	100.8	102.4	102.4	105.5	110.2
82.5°	67.7	66.1	67.7	67.7	67.7	67.7	69.3	67.7	69.3	69.3	74.0
85°	40.9	39.4	40.9	39.4	39.4	37.8	40.9	39.4	39.4	40.9	40.9
87.5°	14.2	14.2	15.7	15.7	14.2	15.7	14.2	14.2	14.2	15.7	14.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571925

CATALOG NUMBER: 22ID-30-L850-SWR

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6
2.5°	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1148.2	1148.2	1146.6	1148.2	1146.6
5°	1143.4	1143.4	1145.0	1145.0	1145.0	1145.0	1145.0	1146.6	1146.6	1146.6	1145.0
7.5°	1138.7	1138.7	1138.7	1138.7	1140.3	1141.9	1141.9	1141.9	1143.4	1141.9	1141.9
10°	1130.8	1134.0	1134.0	1135.6	1135.6	1137.1	1138.7	1138.7	1138.7	1138.7	1138.7
12.5°	1123.0	1124.5	1126.1	1127.7	1129.3	1129.3	1132.4	1132.4	1132.4	1132.4	1130.8
15°	1110.4	1113.5	1115.1	1116.7	1119.8	1119.8	1123.0	1121.4	1124.5	1123.0	1121.4
17.5°	1096.2	1099.3	1102.5	1102.5	1107.2	1108.8	1111.9	1113.5	1113.5	1111.9	1108.8
20°	1078.9	1083.6	1085.2	1088.3	1091.5	1094.6	1096.2	1097.8	1099.3	1097.8	1096.2
22.5°	1058.4	1064.7	1066.3	1069.4	1074.1	1077.3	1078.9	1080.4	1082.0	1082.0	1078.9
25°	1036.3	1044.2	1044.2	1048.9	1053.7	1058.4	1061.5	1061.5	1064.7	1061.5	1061.5
27.5°	1009.6	1019.0	1023.7	1025.3	1031.6	1036.3	1039.5	1042.6	1042.6	1039.5	1039.5
30°	982.8	992.2	997.0	998.5	1006.4	1011.1	1014.3	1017.4	1017.4	1017.4	1014.3
32.5°	952.9	963.9	968.6	970.2	979.6	984.4	989.1	992.2	992.2	990.7	985.9
35°	921.4	929.2	937.1	940.3	948.1	952.9	960.7	963.9	962.3	962.3	957.6
37.5°	885.1	897.7	902.5	905.6	915.1	921.4	929.2	932.4	932.4	930.8	927.7
40°	847.3	861.5	866.2	871.0	880.4	888.3	893.0	897.7	897.7	897.7	894.6
42.5°	809.5	820.6	826.9	831.6	842.6	847.3	855.2	861.5	861.5	859.9	855.2
45°	767.0	779.6	785.9	790.6	801.7	811.1	815.8	822.1	820.6	820.6	814.3
47.5°	724.5	737.1	743.4	748.1	759.1	770.2	773.3	779.6	779.6	779.6	773.3
50°	680.4	693.0	697.7	702.4	715.0	721.3	729.2	735.5	735.5	737.1	730.8
52.5°	634.7	644.2	652.0	655.2	667.8	675.7	682.0	689.8	689.8	686.7	686.7
55°	585.9	596.9	604.8	607.9	617.4	630.0	634.7	641.0	641.0	641.0	637.9
57.5°	537.1	549.7	556.0	559.1	570.1	579.6	585.9	592.2	593.8	593.8	587.5
60°	486.7	499.3	505.6	508.7	521.3	529.2	535.5	541.8	543.4	544.9	538.6
62.5°	439.4	450.4	456.7	459.9	469.3	475.6	483.5	491.4	493.0	493.0	489.8
65°	387.4	398.5	403.2	406.3	414.2	425.2	434.7	441.0	442.6	441.0	441.0
67.5°	338.6	348.1	354.4	355.9	363.8	374.8	379.6	385.9	387.4	387.4	385.9
70°	289.8	300.8	305.5	308.7	315.0	324.4	329.2	335.5	337.0	338.6	335.5
72.5°	244.1	252.0	256.7	259.9	267.7	275.6	278.8	285.1	288.2	288.2	285.1
75°	198.4	206.3	209.5	212.6	218.9	226.8	229.9	236.2	239.4	237.8	237.8
77.5°	154.3	160.6	163.8	165.4	170.1	179.5	181.1	187.4	187.4	189.0	189.0
80°	113.4	118.1	121.3	122.8	126.0	132.3	135.4	140.2	143.3	141.7	141.7
82.5°	75.6	78.7	81.9	85.0	85.0	91.3	91.3	96.1	96.1	99.2	97.6
85°	42.5	44.1	45.7	47.2	47.2	52.0	52.0	55.1	58.3	55.1	55.1
87.5°	14.2	15.7	15.7	17.3	15.7	18.9	17.3	20.5	22.0	22.0	20.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571925

CATALOG NUMBER: 22ID-30-L850-SWR

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6
2.5°	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6
5°	1145.0	1145.0	1143.4	1145.0	1145.0	1145.0	1145.0	1143.4	1143.4	1143.4	1143.4
7.5°	1141.9	1140.3	1140.3	1140.3	1138.7	1138.7	1138.7	1138.7	1137.1	1137.1	1137.1
10°	1137.1	1135.6	1135.6	1135.6	1134.0	1134.0	1132.4	1130.8	1130.8	1129.3	1127.7
12.5°	1130.8	1129.3	1127.7	1127.7	1126.1	1124.5	1123.0	1121.4	1119.8	1116.7	1116.7
15°	1119.8	1119.8	1118.2	1116.7	1113.5	1113.5	1110.4	1108.8	1105.6	1102.5	1102.5
17.5°	1108.8	1107.2	1105.6	1102.5	1099.3	1097.8	1094.6	1091.5	1088.3	1085.2	1083.6
20°	1094.6	1089.9	1091.5	1086.7	1083.6	1080.4	1075.7	1072.6	1067.8	1064.7	1061.5
22.5°	1075.7	1074.1	1072.6	1067.8	1063.1	1061.5	1053.7	1048.9	1044.2	1039.5	1036.3
25°	1055.2	1053.7	1052.1	1047.4	1041.1	1037.9	1030.0	1025.3	1017.4	1014.3	1011.1
27.5°	1031.6	1031.6	1028.5	1022.2	1017.4	1009.6	1004.8	995.4	989.1	984.4	981.2
30°	1006.4	1006.4	1003.3	995.4	989.1	981.2	976.5	967.0	959.2	954.4	948.1
32.5°	981.2	979.6	976.5	968.6	960.7	952.9	943.4	935.5	926.1	921.4	915.1
35°	951.3	949.7	946.6	937.1	930.8	921.4	910.3	900.9	891.4	886.7	877.3
37.5°	919.8	916.6	913.5	902.5	894.6	885.1	877.3	864.7	855.2	848.9	844.2
40°	885.1	883.6	878.8	869.4	858.4	848.9	837.9	828.4	819.0	811.1	804.8
42.5°	850.5	844.2	841.0	831.6	823.7	809.5	801.7	789.1	779.6	773.3	763.9
45°	811.1	806.4	801.7	792.2	781.2	770.2	762.3	748.1	738.7	730.8	722.9
47.5°	767.0	765.4	760.7	749.7	740.2	729.2	719.8	705.6	696.1	689.8	682.0
50°	722.9	721.3	718.2	707.2	694.6	685.1	677.2	663.1	653.6	644.2	639.4
52.5°	682.0	675.7	672.5	663.1	650.5	639.4	633.1	619.0	609.5	600.1	593.8
55°	634.7	630.0	626.8	619.0	607.9	593.8	587.5	574.9	567.0	560.7	551.2
57.5°	587.5	581.2	578.0	568.6	560.7	549.7	541.8	529.2	521.3	515.0	508.7
60°	533.9	533.9	530.8	521.3	513.4	502.4	496.1	483.5	475.6	470.9	463.0
62.5°	489.8	483.5	481.9	470.9	466.2	455.2	450.4	439.4	434.7	426.8	418.9
65°	434.7	434.7	433.1	426.8	420.5	406.3	400.0	390.6	385.9	379.6	373.3
67.5°	385.9	381.1	381.1	374.8	367.0	359.1	354.4	344.9	341.8	333.9	329.2
70°	337.0	332.3	332.3	324.4	319.7	311.8	308.7	300.8	294.5	291.4	286.6
72.5°	288.2	285.1	283.5	277.2	274.0	266.2	264.6	256.7	250.4	248.8	244.1
75°	239.4	236.2	231.5	233.1	226.8	220.5	218.9	214.2	211.0	206.3	201.6
77.5°	190.6	187.4	187.4	184.3	181.1	176.4	174.8	171.7	166.9	163.8	160.6
80°	144.9	141.7	141.7	140.2	135.4	132.3	132.3	127.6	127.6	124.4	122.8
82.5°	99.2	97.6	96.1	97.6	94.5	91.3	92.9	91.3	89.8	86.6	85.0
85°	58.3	56.7	55.1	58.3	55.1	56.7	55.1	53.5	53.5	52.0	50.4
87.5°	22.0	22.0	20.5	22.0	22.0	23.6	22.0	22.0	22.0	22.0	22.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571925

CATALOG NUMBER: 22ID-30-L850-SWR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6
2.5°	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6
5°	1143.4	1143.4	1143.4	1143.4	1143.4	1143.4	1143.4	1143.4	1143.4	1141.9	1143.4
7.5°	1137.1	1135.6	1137.1	1135.6	1135.6	1135.6	1135.6	1135.6	1135.6	1135.6	1135.6
10°	1127.7	1127.7	1127.7	1127.7	1127.7	1127.7	1127.7	1127.7	1127.7	1126.1	1126.1
12.5°	1116.7	1116.7	1115.1	1115.1	1115.1	1113.5	1113.5	1115.1	1115.1	1113.5	1115.1
15°	1100.9	1102.5	1099.3	1097.8	1097.8	1097.8	1097.8	1097.8	1097.8	1097.8	1099.3
17.5°	1083.6	1082.0	1080.4	1080.4	1078.9	1077.3	1077.3	1078.9	1078.9	1080.4	1080.4
20°	1061.5	1061.5	1058.4	1056.8	1055.2	1053.7	1053.7	1055.2	1055.2	1055.2	1058.4
22.5°	1036.3	1034.8	1031.6	1030.0	1030.0	1026.9	1028.5	1030.0	1030.0	1030.0	1031.6
25°	1008.0	1006.4	1004.8	1003.3	1000.1	998.5	998.5	1001.7	1001.7	1004.8	1006.4
27.5°	978.1	976.5	973.3	970.2	968.6	967.0	967.0	970.2	970.2	973.3	974.9
30°	946.6	945.0	940.3	938.7	934.0	932.4	934.0	937.1	938.7	940.3	941.8
32.5°	913.5	910.3	905.6	904.0	899.3	900.9	897.7	902.5	904.0	905.6	907.2
35°	877.3	874.1	869.4	864.7	863.1	861.5	861.5	864.7	864.7	869.4	871.0
37.5°	837.9	836.3	831.6	828.4	825.3	825.3	822.1	826.9	828.4	831.6	831.6
40°	801.7	800.1	792.2	789.1	785.9	787.5	782.8	787.5	789.1	792.2	793.8
42.5°	759.1	757.6	751.3	748.1	745.0	746.5	741.8	746.5	745.0	749.7	751.3
45°	718.2	716.6	711.9	705.6	702.4	704.0	704.0	704.0	702.4	707.2	708.7
47.5°	677.2	674.1	669.4	663.1	659.9	661.5	661.5	661.5	659.9	666.2	666.2
50°	634.7	631.6	626.8	620.5	619.0	619.0	619.0	619.0	619.0	622.1	623.7
52.5°	590.6	589.0	584.3	578.0	574.9	574.9	574.9	571.7	574.9	576.4	578.0
55°	546.5	544.9	537.1	533.9	530.8	532.3	530.8	529.2	529.2	532.3	533.9
57.5°	502.4	500.8	496.1	494.5	486.7	488.2	486.7	486.7	488.2	488.2	489.8
60°	458.3	456.7	452.0	450.4	444.1	445.7	439.4	442.6	444.1	444.1	444.1
62.5°	411.1	411.1	403.2	400.0	396.9	398.5	393.7	393.7	393.7	396.9	396.9
65°	368.5	367.0	360.7	357.5	354.4	354.4	351.2	351.2	349.6	352.8	352.8
67.5°	324.4	324.4	318.1	315.0	311.8	313.4	308.7	308.7	310.3	310.3	310.3
70°	281.9	281.9	277.2	275.6	270.9	270.9	266.2	267.7	267.7	267.7	267.7
72.5°	241.0	241.0	236.2	234.7	229.9	229.9	225.2	226.8	226.8	225.2	225.2
75°	200.0	201.6	193.7	192.1	189.0	190.6	187.4	185.8	187.4	184.3	184.3
77.5°	159.1	159.1	157.5	155.9	151.2	151.2	149.6	146.5	148.0	144.9	144.9
80°	119.7	121.3	116.5	118.1	113.4	115.0	113.4	110.2	110.2	108.7	107.1
82.5°	83.5	83.5	81.9	83.5	81.9	80.3	78.7	77.2	77.2	74.0	74.0
85°	50.4	52.0	48.8	50.4	50.4	48.8	45.7	45.7	45.7	44.1	44.1
87.5°	20.5	23.6	22.0	22.0	22.0	22.0	20.5	22.0	20.5	18.9	18.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571925

CATALOG NUMBER: 22ID-30-L850-SWR

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6	1146.6
2.5°	1145.0	1146.6	1146.6	1146.6	1146.6	1145.0	1145.0	1145.0	1145.0	1145.0	1146.6
5°	1141.9	1143.4	1143.4	1143.4	1143.4	1143.4	1143.4	1143.4	1143.4	1143.4	1143.4
7.5°	1135.6	1135.6	1137.1	1137.1	1137.1	1137.1	1138.7	1137.1	1138.7	1137.1	1138.7
10°	1126.1	1127.7	1129.3	1129.3	1130.8	1129.3	1130.8	1130.8	1132.4	1132.4	1132.4
12.5°	1115.1	1116.7	1116.7	1119.8	1119.8	1119.8	1121.4	1121.4	1123.0	1124.5	1124.5
15°	1099.3	1100.9	1102.5	1102.5	1105.6	1108.8	1108.8	1110.4	1111.9	1113.5	1113.5
17.5°	1080.4	1082.0	1083.6	1086.7	1089.9	1093.0	1094.6	1094.6	1097.8	1099.3	1099.3
20°	1058.4	1061.5	1064.7	1067.8	1069.4	1074.1	1075.7	1077.3	1080.4	1083.6	1083.6
22.5°	1034.8	1036.3	1041.1	1044.2	1047.4	1052.1	1053.7	1058.4	1061.5	1063.1	1064.7
25°	1006.4	1009.6	1014.3	1017.4	1020.6	1026.9	1031.6	1034.8	1039.5	1042.6	1042.6
27.5°	974.9	979.6	984.4	987.5	992.2	1000.1	1004.8	1008.0	1014.3	1017.4	1019.0
30°	943.4	946.6	952.9	957.6	962.3	970.2	976.5	981.2	987.5	990.7	992.2
32.5°	908.8	913.5	919.8	924.5	930.8	938.7	945.0	949.7	959.2	960.7	962.3
35°	872.5	877.3	882.0	889.9	896.2	904.0	911.9	918.2	922.9	929.2	930.8
37.5°	834.7	839.5	845.8	852.1	858.4	867.8	875.7	880.4	888.3	893.0	896.2
40°	795.4	800.1	808.0	815.8	820.6	830.0	837.9	844.2	855.2	858.4	858.4
42.5°	752.8	759.1	763.9	773.3	778.0	789.1	796.9	806.4	812.7	817.4	819.0
45°	711.9	716.6	726.1	732.4	737.1	748.1	756.0	763.9	771.7	774.9	778.0
47.5°	667.8	674.1	682.0	685.1	693.0	704.0	711.9	719.8	729.2	732.4	733.9
50°	625.3	630.0	634.7	641.0	647.3	658.3	667.8	675.7	683.5	686.7	688.3
52.5°	581.2	585.9	590.6	598.5	601.6	612.7	617.4	625.3	636.3	639.4	641.0
55°	535.5	541.8	548.1	552.8	556.0	565.4	571.7	581.2	587.5	590.6	593.8
57.5°	489.8	494.5	500.8	507.1	508.7	518.2	526.0	530.8	538.6	541.8	544.9
60°	445.7	450.4	455.2	456.7	461.5	470.9	478.8	481.9	489.8	493.0	494.5
62.5°	398.5	400.0	406.3	411.1	411.1	423.7	428.4	434.7	441.0	442.6	445.7
65°	354.4	357.5	357.5	360.7	365.4	373.3	376.4	384.3	389.0	390.6	392.2
67.5°	310.3	313.4	316.6	319.7	319.7	327.6	329.2	335.5	340.2	341.8	343.3
70°	267.7	267.7	272.5	275.6	274.0	280.3	283.5	286.6	292.9	294.5	296.1
72.5°	226.8	225.2	228.4	231.5	234.7	236.2	239.4	241.0	245.7	248.8	250.4
75°	185.8	187.4	187.4	189.0	187.4	189.0	193.7	198.4	201.6	203.2	206.3
77.5°	144.9	146.5	146.5	148.0	149.6	149.6	151.2	157.5	160.6	162.2	160.6
80°	107.1	108.7	108.7	110.2	111.8	113.4	113.4	116.5	121.3	122.8	122.8
82.5°	75.6	75.6	75.6	75.6	77.2	77.2	78.7	81.9	85.0	85.0	88.2
85°	45.7	45.7	44.1	45.7	44.1	45.7	47.2	50.4	52.0	52.0	53.5
87.5°	20.5	18.9	20.5	20.5	18.9	18.9	18.9	20.5	20.5	22.0	22.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571925

CATALOG NUMBER: 22ID-30-L850-SWR

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1146.6	1146.6	1146.6	1146.6
2.5°	1146.6	1146.6	1146.6	1146.6
5°	1143.4	1143.4	1143.4	1143.4
7.5°	1138.7	1138.7	1138.7	1138.7
10°	1132.4	1134.0	1134.0	1134.0
12.5°	1124.5	1124.5	1126.1	1126.1
15°	1115.1	1115.1	1115.1	1116.7
17.5°	1100.9	1102.5	1102.5	1102.5
20°	1085.2	1086.7	1086.7	1085.2
22.5°	1064.7	1066.3	1067.8	1067.8
25°	1044.2	1047.4	1048.9	1048.9
27.5°	1020.6	1023.7	1025.3	1025.3
30°	995.4	998.5	998.5	998.5
32.5°	965.5	970.2	971.8	971.8
35°	934.0	940.3	941.8	941.8
37.5°	900.9	904.0	908.8	908.8
40°	864.7	867.8	872.5	872.5
42.5°	825.3	831.6	831.6	834.7
45°	782.8	789.1	790.6	793.8
47.5°	740.2	746.5	748.1	749.7
50°	694.6	699.3	704.0	704.0
52.5°	648.9	652.0	655.2	658.3
55°	600.1	604.8	606.4	609.5
57.5°	549.7	556.0	557.5	560.7
60°	500.8	505.6	508.7	510.3
62.5°	452.0	455.2	456.7	459.9
65°	398.5	403.2	403.2	406.3
67.5°	349.6	352.8	354.4	355.9
70°	297.7	304.0	305.5	308.7
72.5°	252.0	258.3	258.3	261.4
75°	211.0	212.6	212.6	215.8
77.5°	166.9	168.5	170.1	171.7
80°	126.0	127.6	127.6	130.7
82.5°	89.8	89.8	89.8	91.3
85°	55.1	53.5	52.0	53.5
87.5°	22.0	22.0	23.6	20.5
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P571925
CATALOG NUMBER: 22ID-30-L850-SWR

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	15.83	17.45	16.19	17.77	18.08	14.71	16.34	15.08	16.65	16.97
	3H	17.58	19.05	17.96	19.38	19.74	16.33	17.80	16.71	18.13	18.49
	4H	18.24	19.62	18.64	19.97	20.35	16.92	18.31	17.32	18.65	19.03
	6H	18.73	20.01	19.14	20.38	20.77	17.35	18.64	17.77	19.00	19.39
	8H	18.89	20.11	19.31	20.50	20.90	17.49	18.71	17.91	19.10	19.50
	12H	18.99	20.16	19.42	20.54	20.97	17.57	18.74	18.00	19.12	19.55
4H	2H	16.31	17.70	16.71	18.04	18.42	15.41	16.80	15.81	17.14	17.52
	3H	18.29	19.45	18.70	19.85	20.25	17.24	18.40	17.64	18.79	19.19
	4H	19.08	20.13	19.51	20.55	20.98	17.94	18.99	18.37	19.40	19.84
	6H	19.72	20.63	20.17	21.07	21.53	18.49	19.40	18.94	19.84	20.30
	8H	19.93	20.79	20.39	21.23	21.69	18.66	19.51	19.12	19.96	20.42
	12H	20.07	20.84	20.55	21.32	21.79	18.77	19.54	19.25	20.02	20.49
8H	4H	19.32	20.18	19.78	20.62	21.08	18.29	19.15	18.75	19.59	20.05
	6H	20.06	20.77	20.55	21.26	21.74	18.94	19.65	19.44	20.14	20.62
	8H	20.35	20.99	20.86	21.49	21.98	19.18	19.82	19.69	20.32	20.81
	12H	20.57	21.14	21.08	21.63	22.19	19.35	19.92	19.86	20.41	20.97
12H	4H	19.34	20.11	19.82	20.58	21.05	18.33	19.10	18.81	19.58	20.05
	6H	20.10	20.74	20.60	21.24	21.73	19.01	19.65	19.52	20.15	20.64
	8H	20.43	21.00	20.94	21.49	22.05	19.30	19.86	19.80	20.35	20.91