

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: P571921

Luminaire Tested: 22ID-30-L840-SWR

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P571921
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-L840-SWR
Description: 3000 LUMEN, 2X2 INDEPTH TROFFER WITH 2IN REGRESSED SWEEP LENS AND 4000K, 80 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3078.0 lumens
Efficiency: N/A
Efficacy: 127.2 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

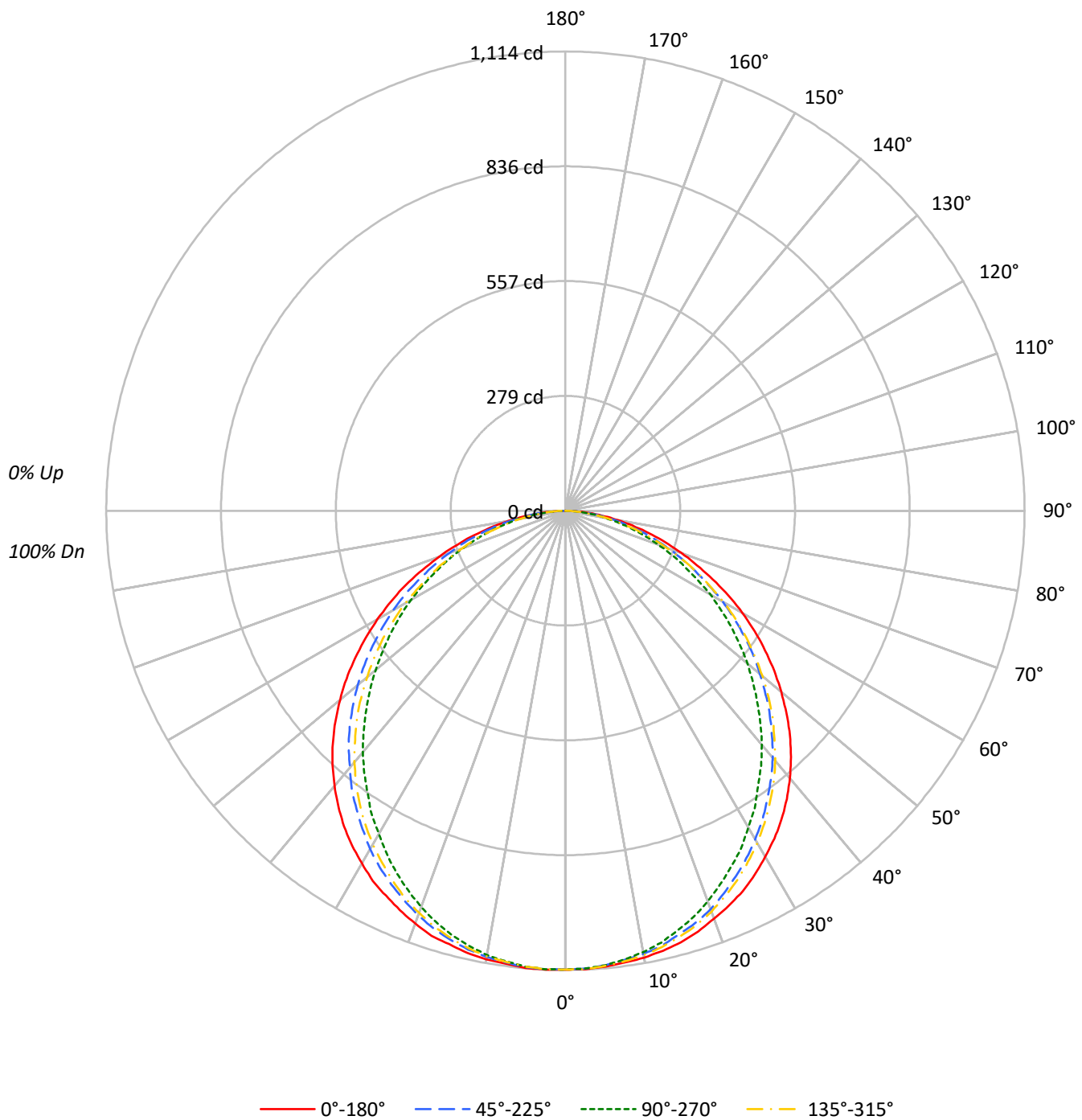
Input Watts (W): 24.2
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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CATALOG NUMBER: 22ID-30-L840-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°	2995	2995	2995	2995
5°	2998	2990	3007	2998
10°	3008	2970	3020	2991
15°	3020	2934	3032	2969
20°	3016	2889	3052	2929
25°	3023	2828	3059	2878
30°	3012	2755	3069	2812
35°	3003	2677	3074	2747
40°	2975	2605	3061	2685
45°	2932	2508	3037	2601
50°	2861	2413	2989	2515
55°	2776	2302	2919	2424
60°	2666	2180	2830	2328
65°	2511	2025	2726	2190
70°	2357	1876	2562	2069
75°	2177	1701	2384	1923
80°	1967	1492	2109	1729
85°	1606	1226	1652	1463

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 3037 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.4	3.4
10°-20°	302.5	9.8
20°-30°	456.6	14.8
30°-40°	545.1	17.7
40°-50°	556.2	18.1
50°-60°	490.5	15.9
60°-70°	362.5	11.8
70°-80°	204.4	6.6
80°-90°	54.7	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°	864.5	28.1
0°-40°	1409.6	45.8
0°-60°	2456.3	79.8
0°-90°	3078.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3078.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1113	1113	1113	1113	1113	
5°	1110	1107	1113	1110	1110	106
15°	1084	1053	1088	1066	1084	306
25°	1018	952	1030	969	1018	469
35°	914	815	936	836	914	571
45°	770	659	798	683	770	593
55°	592	491	622	517	592	529
65°	394	318	428	344	394	392
75°	209	164	229	185	209	222
85°	52	40	54	47	52	61
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0
2.5°	1113.0	1113.0	1113.0	1113.0	1111.4	1109.9	1109.9	1111.4	1111.4	1109.9	1111.4
5°	1109.9	1109.9	1109.9	1108.4	1106.8	1106.8	1106.8	1106.8	1105.3	1106.8	1106.8
7.5°	1105.3	1105.3	1105.3	1103.8	1102.3	1102.3	1102.3	1100.7	1099.2	1100.7	1099.2
10°	1100.7	1099.2	1099.2	1099.2	1096.1	1094.6	1094.6	1094.6	1093.1	1093.1	1091.6
12.5°	1093.1	1091.6	1091.6	1090.0	1088.5	1087.0	1085.4	1083.9	1082.4	1080.9	1080.9
15°	1083.9	1083.9	1080.9	1079.3	1076.3	1074.7	1073.2	1071.7	1068.6	1067.1	1064.0
17.5°	1070.2	1070.2	1067.1	1065.6	1062.5	1059.5	1059.5	1056.4	1053.3	1050.3	1048.8
20°	1053.3	1054.9	1053.3	1050.3	1045.7	1044.2	1042.6	1039.6	1035.0	1031.9	1028.9
22.5°	1036.5	1038.1	1035.0	1030.4	1027.4	1025.8	1022.8	1018.2	1013.6	1009.0	1004.4
25°	1018.2	1016.7	1013.6	1010.5	1005.9	1004.4	1001.4	996.8	989.1	984.5	978.4
27.5°	995.2	995.2	990.7	987.6	980.0	980.0	975.4	969.3	963.1	955.5	950.9
30°	969.3	969.3	966.2	961.6	954.0	952.4	947.9	943.3	934.1	926.5	920.3
32.5°	943.3	941.7	938.7	934.1	926.5	923.4	918.8	912.7	905.0	894.3	889.8
35°	914.2	912.7	908.1	902.0	895.9	892.8	888.2	880.6	872.9	862.2	854.6
37.5°	882.1	880.6	876.0	869.9	862.2	859.2	854.6	847.0	836.3	828.6	819.4
40°	847.0	845.4	842.4	836.3	828.6	825.6	819.4	811.8	799.6	790.4	782.7
42.5°	810.3	808.7	804.1	796.5	790.4	787.3	781.2	773.6	762.9	752.2	741.5
45°	770.5	769.0	764.4	755.2	750.6	746.1	739.9	732.3	723.1	713.9	701.7
47.5°	727.7	726.2	723.1	715.5	706.3	704.8	698.7	691.0	680.3	668.1	658.9
50°	683.4	683.4	678.8	672.7	666.6	662.0	655.9	648.2	634.5	626.8	616.1
52.5°	639.0	637.5	634.5	626.8	622.2	617.6	610.0	605.4	591.6	585.5	573.3
55°	591.6	590.1	584.0	579.4	576.4	571.8	565.7	556.5	548.8	539.7	529.0
57.5°	544.3	542.7	538.1	535.1	529.0	524.4	518.3	512.1	501.4	495.3	484.6
60°	495.3	495.3	492.3	487.7	481.6	477.0	472.4	466.3	457.1	447.9	440.3
62.5°	446.4	446.4	441.8	437.2	434.2	429.6	426.5	418.9	411.2	405.1	392.9
65°	394.4	394.4	388.3	386.8	383.7	380.7	376.1	368.4	363.9	353.2	348.6
67.5°	345.5	347.0	342.5	342.5	337.9	334.8	330.2	324.1	319.5	310.3	305.8
70°	299.6	301.2	298.1	296.6	292.0	288.9	285.9	281.3	275.2	272.1	264.5
72.5°	253.8	255.3	252.3	252.3	247.7	246.1	243.1	240.0	233.9	230.8	223.2
75°	209.4	207.9	207.9	209.4	204.9	203.3	201.8	195.7	192.6	189.6	183.5
77.5°	166.6	166.6	168.2	166.6	163.6	162.1	159.0	154.4	152.9	151.4	145.2
80°	126.9	128.4	128.4	126.9	123.8	122.3	120.8	116.2	114.7	114.7	110.1
82.5°	88.7	88.7	87.1	88.7	85.6	84.1	85.6	81.0	79.5	79.5	76.4
85°	52.0	50.5	50.5	52.0	50.5	50.5	50.5	47.4	47.4	47.4	44.3
87.5°	19.9	19.9	21.4	21.4	19.9	19.9	19.9	19.9	18.3	18.3	16.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0
2.5°	1109.9	1109.9	1109.9	1109.9	1111.4	1109.9	1111.4	1111.4	1113.0	1111.4	1113.0
5°	1106.8	1106.8	1105.3	1105.3	1105.3	1105.3	1105.3	1105.3	1105.3	1106.8	1106.8
7.5°	1099.2	1099.2	1097.7	1097.7	1097.7	1097.7	1096.1	1096.1	1097.7	1097.7	1097.7
10°	1090.0	1088.5	1087.0	1087.0	1087.0	1087.0	1085.4	1087.0	1087.0	1087.0	1087.0
12.5°	1076.3	1076.3	1074.7	1073.2	1073.2	1073.2	1071.7	1073.2	1073.2	1073.2	1073.2
15°	1062.5	1061.0	1059.5	1056.4	1056.4	1054.9	1053.3	1054.9	1053.3	1053.3	1054.9
17.5°	1042.6	1042.6	1039.6	1038.1	1036.5	1035.0	1033.5	1033.5	1033.5	1033.5	1036.5
20°	1022.8	1021.2	1018.2	1012.1	1013.6	1012.1	1009.0	1010.5	1010.5	1009.0	1009.0
22.5°	1001.4	995.2	992.2	986.1	987.6	984.5	983.0	984.5	983.0	981.5	984.5
25°	972.3	969.3	961.6	961.6	958.6	957.0	957.0	955.5	954.0	952.4	955.5
27.5°	946.3	940.2	935.6	929.5	926.5	926.5	924.9	923.4	920.3	923.4	923.4
30°	914.2	908.1	900.5	897.4	894.3	894.3	891.3	889.8	886.7	886.7	891.3
32.5°	883.6	874.5	866.8	862.2	860.7	859.2	857.7	851.5	853.1	854.6	856.1
35°	847.0	839.3	833.2	828.6	824.0	822.5	821.0	816.4	816.4	814.8	819.4
37.5°	811.8	802.6	798.0	790.4	787.3	784.3	782.7	779.7	778.2	779.7	781.2
40°	773.6	765.9	758.3	750.6	747.6	746.1	741.5	741.5	738.4	741.5	741.5
42.5°	733.8	726.2	717.0	710.9	707.8	704.8	701.7	700.2	700.2	700.2	701.7
45°	694.1	684.9	675.7	669.6	666.6	665.0	660.4	658.9	655.9	658.9	660.4
47.5°	651.3	643.6	634.5	629.9	625.3	623.7	619.2	616.1	614.6	617.6	617.6
50°	608.5	600.8	593.2	587.1	582.5	580.9	576.4	576.4	573.3	576.4	576.4
52.5°	565.7	558.0	550.4	542.7	539.7	538.1	533.6	533.6	533.6	533.6	533.6
55°	522.8	512.1	507.6	499.9	496.9	495.3	493.8	489.2	490.7	490.7	490.7
57.5°	478.5	470.9	461.7	458.6	454.1	452.5	452.5	446.4	444.9	447.9	447.9
60°	434.2	428.1	418.9	414.3	411.2	411.2	406.7	400.5	399.0	405.1	405.1
62.5°	388.3	379.1	374.6	370.0	366.9	365.4	363.9	359.3	360.8	359.3	359.3
65°	345.5	336.3	333.3	328.7	325.6	324.1	322.6	319.5	316.5	318.0	318.0
67.5°	302.7	295.1	290.5	287.4	284.4	284.4	281.3	278.2	279.8	278.2	278.2
70°	261.4	255.3	249.2	247.7	244.6	244.6	243.1	241.5	240.0	238.5	238.5
72.5°	221.7	215.6	211.0	207.9	206.4	206.4	204.9	200.3	201.8	200.3	200.3
75°	180.4	175.8	174.3	171.2	169.7	169.7	168.2	165.1	166.6	163.6	160.5
77.5°	143.7	139.1	137.6	136.1	137.6	136.1	131.5	133.0	131.5	128.4	128.4
80°	110.1	105.5	105.5	102.4	100.9	100.9	99.4	99.4	97.8	96.3	96.3
82.5°	74.9	73.4	71.9	70.3	68.8	71.9	68.8	67.3	67.3	67.3	65.7
85°	42.8	42.8	41.3	41.3	39.7	41.3	39.7	38.2	39.7	39.7	36.7
87.5°	16.8	18.3	15.3	15.3	15.3	15.3	13.8	15.3	15.3	15.3	13.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0
2.5°	1113.0	1111.4	1111.4	1111.4	1111.4	1109.9	1111.4	1111.4	1113.0	1111.4	1111.4
5°	1106.8	1105.3	1106.8	1105.3	1105.3	1106.8	1106.8	1108.4	1108.4	1109.9	1109.9
7.5°	1097.7	1097.7	1097.7	1097.7	1097.7	1099.2	1099.2	1100.7	1102.3	1102.3	1103.8
10°	1087.0	1087.0	1088.5	1087.0	1088.5	1090.0	1091.6	1093.1	1094.6	1096.1	1096.1
12.5°	1073.2	1073.2	1073.2	1076.3	1076.3	1077.8	1079.3	1082.4	1083.9	1087.0	1087.0
15°	1054.9	1054.9	1057.9	1057.9	1059.5	1062.5	1065.6	1067.1	1070.2	1073.2	1074.7
17.5°	1035.0	1035.0	1038.1	1038.1	1039.6	1044.2	1047.2	1048.8	1054.9	1057.9	1061.0
20°	1012.1	1012.1	1016.7	1015.1	1018.2	1022.8	1025.8	1030.4	1035.0	1039.6	1042.6
22.5°	984.5	986.1	990.7	990.7	992.2	998.3	1002.9	1007.5	1012.1	1018.2	1022.8
25°	955.5	957.0	961.6	963.1	964.7	970.8	976.9	980.0	987.6	995.2	998.3
27.5°	923.4	926.5	929.5	931.0	934.1	941.7	947.9	954.0	960.1	967.7	973.8
30°	891.3	894.3	897.4	898.9	902.0	909.6	915.7	923.4	931.0	938.7	944.8
32.5°	854.6	859.2	862.2	865.3	866.8	876.0	883.6	891.3	898.9	908.1	915.7
35°	819.4	824.0	827.1	828.6	831.7	840.8	847.0	854.6	865.3	874.5	882.1
37.5°	781.2	784.3	790.4	790.4	793.4	804.1	811.8	819.4	830.1	839.3	848.5
40°	743.0	744.5	750.6	752.2	755.2	765.9	773.6	784.3	791.9	802.6	811.8
42.5°	701.7	706.3	712.4	715.5	718.5	724.6	730.8	743.0	750.6	762.9	772.0
45°	660.4	665.0	668.1	669.6	677.3	683.4	689.5	701.7	710.9	721.6	732.3
47.5°	619.2	622.2	626.8	632.9	636.0	642.1	646.7	658.9	668.1	680.3	689.5
50°	576.4	580.9	584.0	585.5	591.6	599.3	605.4	616.1	623.7	636.0	646.7
52.5°	533.6	539.7	539.7	545.8	548.8	551.9	561.1	571.8	579.4	590.1	600.8
55°	492.3	495.3	499.9	501.4	506.0	509.1	515.2	525.9	535.1	545.8	556.5
57.5°	446.4	449.5	452.5	458.6	461.7	467.8	473.9	481.6	489.2	499.9	507.6
60°	402.1	406.7	409.7	414.3	414.3	421.9	429.6	437.2	443.4	454.1	461.7
62.5°	362.3	362.3	362.3	368.4	366.9	373.0	379.1	388.3	394.4	408.2	417.4
65°	319.5	321.0	321.0	325.6	324.1	330.2	334.8	344.0	350.1	357.7	366.9
67.5°	278.2	278.2	279.8	284.4	282.8	287.4	295.1	299.6	304.2	313.4	321.0
70°	235.4	237.0	238.5	243.1	241.5	247.7	252.3	255.3	261.4	267.5	273.7
72.5°	198.7	198.7	203.3	203.3	201.8	206.4	211.0	214.0	217.1	224.7	232.4
75°	163.6	162.1	165.1	165.1	163.6	165.1	168.2	172.8	175.8	181.9	188.0
77.5°	128.4	126.9	129.9	129.9	129.9	128.4	133.0	134.5	136.1	139.1	145.2
80°	94.8	93.3	96.3	96.3	93.3	94.8	97.8	99.4	99.4	102.4	107.0
82.5°	65.7	64.2	65.7	65.7	65.7	65.7	67.3	65.7	67.3	67.3	71.9
85°	39.7	38.2	39.7	38.2	38.2	36.7	39.7	38.2	38.2	39.7	39.7
87.5°	13.8	13.8	15.3	15.3	13.8	15.3	13.8	13.8	13.8	15.3	13.8
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: P571921

CATALOG NUMBER: 22ID-30-L840-SWR

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0
2.5°	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1114.5	1114.5	1113.0	1114.5	1113.0
5°	1109.9	1109.9	1111.4	1111.4	1111.4	1111.4	1111.4	1113.0	1113.0	1113.0	1111.4
7.5°	1105.3	1105.3	1105.3	1105.3	1106.8	1108.4	1108.4	1108.4	1109.9	1108.4	1108.4
10°	1097.7	1100.7	1100.7	1102.3	1102.3	1103.8	1105.3	1105.3	1105.3	1105.3	1105.3
12.5°	1090.0	1091.6	1093.1	1094.6	1096.1	1096.1	1099.2	1099.2	1099.2	1099.2	1097.7
15°	1077.8	1080.9	1082.4	1083.9	1087.0	1087.0	1090.0	1088.5	1091.6	1090.0	1088.5
17.5°	1064.0	1067.1	1070.2	1070.2	1074.7	1076.3	1079.3	1080.9	1080.9	1079.3	1076.3
20°	1047.2	1051.8	1053.3	1056.4	1059.5	1062.5	1064.0	1065.6	1067.1	1065.6	1064.0
22.5°	1027.4	1033.5	1035.0	1038.1	1042.6	1045.7	1047.2	1048.8	1050.3	1050.3	1047.2
25°	1005.9	1013.6	1013.6	1018.2	1022.8	1027.4	1030.4	1030.4	1033.5	1030.4	1030.4
27.5°	980.0	989.1	993.7	995.2	1001.4	1005.9	1009.0	1012.1	1012.1	1009.0	1009.0
30°	954.0	963.1	967.7	969.3	976.9	981.5	984.5	987.6	987.6	987.6	984.5
32.5°	924.9	935.6	940.2	941.7	950.9	955.5	960.1	963.1	963.1	961.6	957.0
35°	894.3	902.0	909.6	912.7	920.3	924.9	932.6	935.6	934.1	934.1	929.5
37.5°	859.2	871.4	876.0	879.1	888.2	894.3	902.0	905.0	905.0	903.5	900.5
40°	822.5	836.3	840.8	845.4	854.6	862.2	866.8	871.4	871.4	871.4	868.4
42.5°	785.8	796.5	802.6	807.2	817.9	822.5	830.1	836.3	836.3	834.7	830.1
45°	744.5	756.8	762.9	767.5	778.2	787.3	791.9	798.0	796.5	796.5	790.4
47.5°	703.2	715.5	721.6	726.2	736.9	747.6	750.6	756.8	756.8	756.8	750.6
50°	660.4	672.7	677.3	681.8	694.1	700.2	707.8	713.9	713.9	715.5	709.4
52.5°	616.1	625.3	632.9	636.0	648.2	655.9	662.0	669.6	669.6	666.6	666.6
55°	568.7	579.4	587.1	590.1	599.3	611.5	616.1	622.2	622.2	622.2	619.2
57.5°	521.3	533.6	539.7	542.7	553.4	562.6	568.7	574.8	576.4	576.4	570.2
60°	472.4	484.6	490.7	493.8	506.0	513.7	519.8	525.9	527.4	529.0	522.8
62.5°	426.5	437.2	443.4	446.4	455.6	461.7	469.3	477.0	478.5	478.5	475.5
65°	376.1	386.8	391.4	394.4	402.1	412.8	421.9	428.1	429.6	428.1	428.1
67.5°	328.7	337.9	344.0	345.5	353.2	363.9	368.4	374.6	376.1	376.1	374.6
70°	281.3	292.0	296.6	299.6	305.8	314.9	319.5	325.6	327.2	328.7	325.6
72.5°	237.0	244.6	249.2	252.3	259.9	267.5	270.6	276.7	279.8	279.8	276.7
75°	192.6	200.3	203.3	206.4	212.5	220.1	223.2	229.3	232.4	230.8	230.8
77.5°	149.8	155.9	159.0	160.5	165.1	174.3	175.8	181.9	181.9	183.5	183.5
80°	110.1	114.7	117.7	119.2	122.3	128.4	131.5	136.1	139.1	137.6	137.6
82.5°	73.4	76.4	79.5	82.6	82.6	88.7	88.7	93.3	93.3	96.3	94.8
85°	41.3	42.8	44.3	45.9	45.9	50.5	50.5	53.5	56.6	53.5	53.5
87.5°	13.8	15.3	15.3	16.8	15.3	18.3	16.8	19.9	21.4	21.4	19.9
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: P571921

CATALOG NUMBER: 22ID-30-L840-SWR

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0
2.5°	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0
5°	1111.4	1111.4	1109.9	1111.4	1111.4	1111.4	1111.4	1109.9	1109.9	1109.9	1109.9
7.5°	1108.4	1106.8	1106.8	1106.8	1105.3	1105.3	1105.3	1105.3	1103.8	1103.8	1103.8
10°	1103.8	1102.3	1102.3	1102.3	1100.7	1100.7	1099.2	1097.7	1097.7	1096.1	1094.6
12.5°	1097.7	1096.1	1094.6	1094.6	1093.1	1091.6	1090.0	1088.5	1087.0	1083.9	1083.9
15°	1087.0	1087.0	1085.4	1083.9	1080.9	1080.9	1077.8	1076.3	1073.2	1070.2	1070.2
17.5°	1076.3	1074.7	1073.2	1070.2	1067.1	1065.6	1062.5	1059.5	1056.4	1053.3	1051.8
20°	1062.5	1057.9	1059.5	1054.9	1051.8	1048.8	1044.2	1041.1	1036.5	1033.5	1030.4
22.5°	1044.2	1042.6	1041.1	1036.5	1031.9	1030.4	1022.8	1018.2	1013.6	1009.0	1005.9
25°	1024.3	1022.8	1021.2	1016.7	1010.5	1007.5	999.8	995.2	987.6	984.5	981.5
27.5°	1001.4	1001.4	998.3	992.2	987.6	980.0	975.4	966.2	960.1	955.5	952.4
30°	976.9	976.9	973.8	966.2	960.1	952.4	947.9	938.7	931.0	926.5	920.3
32.5°	952.4	950.9	947.9	940.2	932.6	924.9	915.7	908.1	898.9	894.3	888.2
35°	923.4	921.9	918.8	909.6	903.5	894.3	883.6	874.5	865.3	860.7	851.5
37.5°	892.8	889.8	886.7	876.0	868.4	859.2	851.5	839.3	830.1	824.0	819.4
40°	859.2	857.7	853.1	843.9	833.2	824.0	813.3	804.1	795.0	787.3	781.2
42.5°	825.6	819.4	816.4	807.2	799.6	785.8	778.2	765.9	756.8	750.6	741.5
45°	787.3	782.7	778.2	769.0	758.3	747.6	739.9	726.2	717.0	709.4	701.7
47.5°	744.5	743.0	738.4	727.7	718.5	707.8	698.7	684.9	675.7	669.6	662.0
50°	701.7	700.2	697.1	686.4	674.2	665.0	657.4	643.6	634.5	625.3	620.7
52.5°	662.0	655.9	652.8	643.6	631.4	620.7	614.6	600.8	591.6	582.5	576.4
55°	616.1	611.5	608.5	600.8	590.1	576.4	570.2	558.0	550.4	544.3	535.1
57.5°	570.2	564.1	561.1	551.9	544.3	533.6	525.9	513.7	506.0	499.9	493.8
60°	518.3	518.3	515.2	506.0	498.4	487.7	481.6	469.3	461.7	457.1	449.5
62.5°	475.5	469.3	467.8	457.1	452.5	441.8	437.2	426.5	421.9	414.3	406.7
65°	421.9	421.9	420.4	414.3	408.2	394.4	388.3	379.1	374.6	368.4	362.3
67.5°	374.6	370.0	370.0	363.9	356.2	348.6	344.0	334.8	331.7	324.1	319.5
70°	327.2	322.6	322.6	314.9	310.3	302.7	299.6	292.0	285.9	282.8	278.2
72.5°	279.8	276.7	275.2	269.1	266.0	258.4	256.8	249.2	243.1	241.5	237.0
75°	232.4	229.3	224.7	226.3	220.1	214.0	212.5	207.9	204.9	200.3	195.7
77.5°	185.0	181.9	181.9	178.9	175.8	171.2	169.7	166.6	162.1	159.0	155.9
80°	140.6	137.6	137.6	136.1	131.5	128.4	128.4	123.8	123.8	120.8	119.2
82.5°	96.3	94.8	93.3	94.8	91.7	88.7	90.2	88.7	87.1	84.1	82.6
85°	56.6	55.0	53.5	56.6	53.5	55.0	53.5	52.0	52.0	50.5	48.9
87.5°	21.4	21.4	19.9	21.4	21.4	22.9	21.4	21.4	21.4	21.4	21.4
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: P571921

CATALOG NUMBER: 22ID-30-L840-SWR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0
2.5°	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0
5°	1109.9	1109.9	1109.9	1109.9	1109.9	1109.9	1109.9	1109.9	1109.9	1108.4	1109.9
7.5°	1103.8	1102.3	1103.8	1102.3	1102.3	1102.3	1102.3	1102.3	1102.3	1102.3	1102.3
10°	1094.6	1094.6	1094.6	1094.6	1094.6	1094.6	1094.6	1094.6	1094.6	1093.1	1093.1
12.5°	1083.9	1083.9	1082.4	1082.4	1082.4	1080.9	1080.9	1082.4	1082.4	1080.9	1082.4
15°	1068.6	1070.2	1067.1	1065.6	1065.6	1065.6	1065.6	1065.6	1065.6	1065.6	1067.1
17.5°	1051.8	1050.3	1048.8	1048.8	1047.2	1045.7	1045.7	1047.2	1047.2	1048.8	1048.8
20°	1030.4	1030.4	1027.4	1025.8	1024.3	1022.8	1022.8	1024.3	1024.3	1024.3	1027.4
22.5°	1005.9	1004.4	1001.4	999.8	999.8	996.8	998.3	999.8	999.8	999.8	1001.4
25°	978.4	976.9	975.4	973.8	970.8	969.3	969.3	972.3	972.3	975.4	976.9
27.5°	949.4	947.9	944.8	941.7	940.2	938.7	938.7	941.7	941.7	944.8	946.3
30°	918.8	917.3	912.7	911.2	906.6	905.0	906.6	909.6	911.2	912.7	914.2
32.5°	886.7	883.6	879.1	877.5	872.9	874.5	871.4	876.0	877.5	879.1	880.6
35°	851.5	848.5	843.9	839.3	837.8	836.3	836.3	839.3	839.3	843.9	845.4
37.5°	813.3	811.8	807.2	804.1	801.1	801.1	798.0	802.6	804.1	807.2	807.2
40°	778.2	776.6	769.0	765.9	762.9	764.4	759.8	764.4	765.9	769.0	770.5
42.5°	736.9	735.4	729.2	726.2	723.1	724.6	720.1	724.6	723.1	727.7	729.2
45°	697.1	695.6	691.0	684.9	681.8	683.4	683.4	683.4	681.8	686.4	688.0
47.5°	657.4	654.3	649.7	643.6	640.6	642.1	642.1	642.1	640.6	646.7	646.7
50°	616.1	613.0	608.5	602.3	600.8	600.8	600.8	600.8	600.8	603.9	605.4
52.5°	573.3	571.8	567.2	561.1	558.0	558.0	558.0	555.0	558.0	559.5	561.1
55°	530.5	529.0	521.3	518.3	515.2	516.7	515.2	513.7	513.7	516.7	518.3
57.5°	487.7	486.2	481.6	480.0	472.4	473.9	472.4	472.4	473.9	473.9	475.5
60°	444.9	443.4	438.8	437.2	431.1	432.6	426.5	429.6	431.1	431.1	431.1
62.5°	399.0	399.0	391.4	388.3	385.3	386.8	382.2	382.2	382.2	385.3	385.3
65°	357.7	356.2	350.1	347.0	344.0	344.0	340.9	340.9	339.4	342.5	342.5
67.5°	314.9	314.9	308.8	305.8	302.7	304.2	299.6	299.6	301.2	301.2	301.2
70°	273.7	273.7	269.1	267.5	263.0	263.0	258.4	259.9	259.9	259.9	259.9
72.5°	233.9	233.9	229.3	227.8	223.2	223.2	218.6	220.1	220.1	218.6	218.6
75°	194.2	195.7	188.0	186.5	183.5	185.0	181.9	180.4	181.9	178.9	178.9
77.5°	154.4	154.4	152.9	151.4	146.8	146.8	145.2	142.2	143.7	140.6	140.6
80°	116.2	117.7	113.1	114.7	110.1	111.6	110.1	107.0	107.0	105.5	104.0
82.5°	81.0	81.0	79.5	81.0	79.5	78.0	76.4	74.9	74.9	71.9	71.9
85°	48.9	50.5	47.4	48.9	48.9	47.4	44.3	44.3	44.3	42.8	42.8
87.5°	19.9	22.9	21.4	21.4	21.4	21.4	19.9	21.4	19.9	18.3	18.3
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: P571921

CATALOG NUMBER: 22ID-30-L840-SWR

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0
2.5°	1111.4	1113.0	1113.0	1113.0	1113.0	1111.4	1111.4	1111.4	1111.4	1111.4	1113.0
5°	1108.4	1109.9	1109.9	1109.9	1109.9	1109.9	1109.9	1109.9	1109.9	1109.9	1109.9
7.5°	1102.3	1102.3	1103.8	1103.8	1103.8	1103.8	1105.3	1103.8	1105.3	1103.8	1105.3
10°	1093.1	1094.6	1096.1	1096.1	1097.7	1096.1	1097.7	1097.7	1099.2	1099.2	1099.2
12.5°	1082.4	1083.9	1083.9	1087.0	1087.0	1087.0	1088.5	1088.5	1090.0	1091.6	1091.6
15°	1067.1	1068.6	1070.2	1070.2	1073.2	1076.3	1076.3	1077.8	1079.3	1080.9	1080.9
17.5°	1048.8	1050.3	1051.8	1054.9	1057.9	1061.0	1062.5	1062.5	1065.6	1067.1	1067.1
20°	1027.4	1030.4	1033.5	1036.5	1038.1	1042.6	1044.2	1045.7	1048.8	1051.8	1051.8
22.5°	1004.4	1005.9	1010.5	1013.6	1016.7	1021.2	1022.8	1027.4	1030.4	1031.9	1033.5
25°	976.9	980.0	984.5	987.6	990.7	996.8	1001.4	1004.4	1009.0	1012.1	1012.1
27.5°	946.3	950.9	955.5	958.6	963.1	970.8	975.4	978.4	984.5	987.6	989.1
30°	915.7	918.8	924.9	929.5	934.1	941.7	947.9	952.4	958.6	961.6	963.1
32.5°	882.1	886.7	892.8	897.4	903.5	911.2	917.3	921.9	931.0	932.6	934.1
35°	847.0	851.5	856.1	863.8	869.9	877.5	885.2	891.3	895.9	902.0	903.5
37.5°	810.3	814.8	821.0	827.1	833.2	842.4	850.0	854.6	862.2	866.8	869.9
40°	772.0	776.6	784.3	791.9	796.5	805.7	813.3	819.4	830.1	833.2	833.2
42.5°	730.8	736.9	741.5	750.6	755.2	765.9	773.6	782.7	788.9	793.4	795.0
45°	691.0	695.6	704.8	710.9	715.5	726.2	733.8	741.5	749.1	752.2	755.2
47.5°	648.2	654.3	662.0	665.0	672.7	683.4	691.0	698.7	707.8	710.9	712.4
50°	606.9	611.5	616.1	622.2	628.3	639.0	648.2	655.9	663.5	666.6	668.1
52.5°	564.1	568.7	573.3	580.9	584.0	594.7	599.3	606.9	617.6	620.7	622.2
55°	519.8	525.9	532.0	536.6	539.7	548.8	555.0	564.1	570.2	573.3	576.4
57.5°	475.5	480.0	486.2	492.3	493.8	503.0	510.6	515.2	522.8	525.9	529.0
60°	432.6	437.2	441.8	443.4	447.9	457.1	464.8	467.8	475.5	478.5	480.0
62.5°	386.8	388.3	394.4	399.0	399.0	411.2	415.8	421.9	428.1	429.6	432.6
65°	344.0	347.0	347.0	350.1	354.7	362.3	365.4	373.0	377.6	379.1	380.7
67.5°	301.2	304.2	307.3	310.3	310.3	318.0	319.5	325.6	330.2	331.7	333.3
70°	259.9	259.9	264.5	267.5	266.0	272.1	275.2	278.2	284.4	285.9	287.4
72.5°	220.1	218.6	221.7	224.7	227.8	229.3	232.4	233.9	238.5	241.5	243.1
75°	180.4	181.9	181.9	183.5	181.9	183.5	188.0	192.6	195.7	197.2	200.3
77.5°	140.6	142.2	142.2	143.7	145.2	145.2	146.8	152.9	155.9	157.5	155.9
80°	104.0	105.5	105.5	107.0	108.5	110.1	110.1	113.1	117.7	119.2	119.2
82.5°	73.4	73.4	73.4	73.4	74.9	74.9	76.4	79.5	82.6	82.6	85.6
85°	44.3	44.3	42.8	44.3	42.8	44.3	45.9	48.9	50.5	50.5	52.0
87.5°	19.9	18.3	19.9	19.9	18.3	18.3	18.3	19.9	19.9	21.4	21.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1113.0	1113.0	1113.0	1113.0
2.5°	1113.0	1113.0	1113.0	1113.0
5°	1109.9	1109.9	1109.9	1109.9
7.5°	1105.3	1105.3	1105.3	1105.3
10°	1099.2	1100.7	1100.7	1100.7
12.5°	1091.6	1091.6	1093.1	1093.1
15°	1082.4	1082.4	1082.4	1083.9
17.5°	1068.6	1070.2	1070.2	1070.2
20°	1053.3	1054.9	1054.9	1053.3
22.5°	1033.5	1035.0	1036.5	1036.5
25°	1013.6	1016.7	1018.2	1018.2
27.5°	990.7	993.7	995.2	995.2
30°	966.2	969.3	969.3	969.3
32.5°	937.2	941.7	943.3	943.3
35°	906.6	912.7	914.2	914.2
37.5°	874.5	877.5	882.1	882.1
40°	839.3	842.4	847.0	847.0
42.5°	801.1	807.2	807.2	810.3
45°	759.8	765.9	767.5	770.5
47.5°	718.5	724.6	726.2	727.7
50°	674.2	678.8	683.4	683.4
52.5°	629.9	632.9	636.0	639.0
55°	582.5	587.1	588.6	591.6
57.5°	533.6	539.7	541.2	544.3
60°	486.2	490.7	493.8	495.3
62.5°	438.8	441.8	443.4	446.4
65°	386.8	391.4	391.4	394.4
67.5°	339.4	342.5	344.0	345.5
70°	288.9	295.1	296.6	299.6
72.5°	244.6	250.7	250.7	253.8
75°	204.9	206.4	206.4	209.4
77.5°	162.1	163.6	165.1	166.6
80°	122.3	123.8	123.8	126.9
82.5°	87.1	87.1	87.1	88.7
85°	53.5	52.0	50.5	52.0
87.5°	21.4	21.4	22.9	19.9
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P571921
CATALOG NUMBER: 22ID-30-L840-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	15.72	17.35	16.09	17.67	17.98	14.61	16.23	14.97	16.55	16.86
	3H	17.48	18.95	17.85	19.27	19.63	16.23	17.70	16.60	18.02	18.38
	4H	18.13	19.52	18.53	19.87	20.24	16.82	18.20	17.22	18.55	18.93
	6H	18.63	19.91	19.04	20.27	20.66	17.25	18.53	17.66	18.90	19.29
	8H	18.78	20.01	19.21	20.40	20.80	17.38	18.61	17.81	19.00	19.40
	12H	18.88	20.06	19.31	20.44	20.87	17.47	18.64	17.89	19.02	19.45
4H	2H	16.21	17.59	16.61	17.94	18.32	15.31	16.69	15.71	17.04	17.42
	3H	18.19	19.35	18.60	19.74	20.14	17.13	18.29	17.54	18.69	19.09
	4H	18.98	20.03	19.41	20.44	20.88	17.84	18.89	18.27	19.30	19.74
	6H	19.61	20.53	20.07	20.97	21.42	18.38	19.30	18.84	19.74	20.20
	8H	19.82	20.68	20.28	21.12	21.59	18.55	19.41	19.01	19.85	20.32
	12H	19.97	20.74	20.45	21.22	21.68	18.67	19.44	19.15	19.92	20.39
8H	4H	19.21	20.07	19.68	20.51	20.98	18.19	19.04	18.65	19.49	19.95
	6H	19.96	20.67	20.45	21.16	21.63	18.84	19.55	19.33	20.04	20.51
	8H	20.24	20.88	20.75	21.39	21.88	19.07	19.71	19.58	20.22	20.71
	12H	20.47	21.03	20.97	21.52	22.08	19.25	19.82	19.76	20.31	20.87
12H	4H	19.23	20.00	19.71	20.48	20.95	18.23	19.00	18.71	19.48	19.95
	6H	19.99	20.63	20.50	21.14	21.62	18.90	19.54	19.41	20.05	20.54
	8H	20.33	20.90	20.84	21.39	21.95	19.19	19.76	19.70	20.25	20.81