

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: P571937

Luminaire Tested: 22ID-35-L840-SWR

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P571937
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-35-L840-SWR
Description: 3500 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: 3630.0 lumens
Efficiency: N/A
Efficacy: 126.0 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

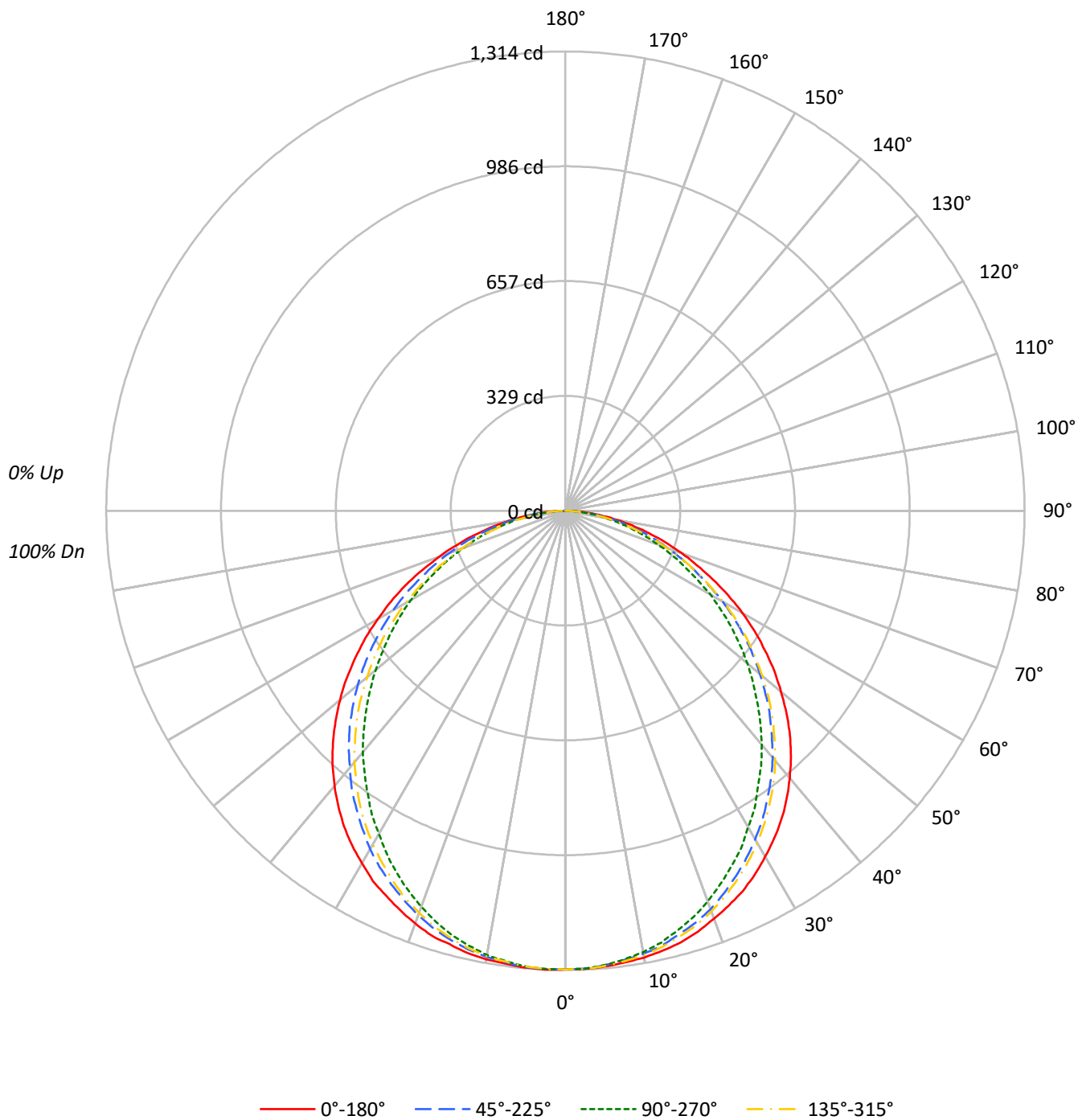
Input Watts (W): 28.8
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
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°	3532	3532	3532	3532
5°	3536	3526	3546	3536
10°	3547	3503	3562	3527
15°	3561	3461	3576	3501
20°	3557	3408	3599	3454
25°	3565	3335	3608	3394
30°	3552	3249	3619	3317
35°	3542	3157	3625	3240
40°	3509	3072	3610	3167
45°	3458	2957	3581	3067
50°	3374	2846	3525	2966
55°	3273	2715	3443	2859
60°	3144	2571	3338	2746
65°	2962	2388	3214	2583
70°	2781	2213	3021	2440
75°	2568	2006	2811	2269
80°	2318	1760	2487	2039
85°	1893	1448	1948	1726

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 3581 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.3	3.4
10°-20°	356.7	9.8
20°-30°	538.5	14.8
30°-40°	642.9	17.7
40°-50°	656.0	18.1
50°-60°	578.5	15.9
60°-70°	427.5	11.8
70°-80°	241.1	6.6
80°-90°	64.5	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°	1019.5	28.1
0°-40°	1662.4	45.8
0°-60°	2896.9	79.8
0°-90°	3630.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3630.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1313	1313	1313	1313	1313	
5°	1309	1305	1313	1309	1309	125
15°	1278	1242	1284	1257	1278	361
25°	1201	1123	1215	1143	1201	553
35°	1078	961	1103	986	1078	674
45°	909	777	941	806	909	700
55°	698	579	734	609	698	623
65°	465	375	505	406	465	462
75°	247	193	270	218	247	262
85°	61	47	63	56	61	72
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°	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6
2.5°	1312.6	1312.6	1312.6	1312.6	1310.8	1309.0	1309.0	1310.8	1310.8	1309.0	1310.8
5°	1309.0	1309.0	1309.0	1307.2	1305.3	1305.3	1305.3	1305.3	1303.5	1305.3	1305.3
7.5°	1303.5	1303.5	1303.5	1301.7	1299.9	1299.9	1299.9	1298.1	1296.3	1298.1	1296.3
10°	1298.1	1296.3	1296.3	1296.3	1292.7	1290.9	1290.9	1290.9	1289.1	1289.1	1287.3
12.5°	1289.1	1287.3	1287.3	1285.5	1283.7	1281.9	1280.1	1278.3	1276.5	1274.7	1274.7
15°	1278.3	1278.3	1274.7	1272.9	1269.3	1267.5	1265.7	1263.9	1260.3	1258.5	1254.9
17.5°	1262.1	1262.1	1258.5	1256.7	1253.1	1249.5	1249.5	1245.9	1242.2	1238.6	1236.8
20°	1242.2	1244.0	1242.2	1238.6	1233.2	1231.4	1229.6	1226.0	1220.6	1217.0	1213.4
22.5°	1222.4	1224.2	1220.6	1215.2	1211.6	1209.8	1206.2	1200.8	1195.4	1190.0	1184.5
25°	1200.8	1199.0	1195.4	1191.8	1186.4	1184.5	1180.9	1175.5	1166.5	1161.1	1153.9
27.5°	1173.7	1173.7	1168.3	1164.7	1155.7	1155.7	1150.3	1143.1	1135.9	1126.9	1121.4
30°	1143.1	1143.1	1139.5	1134.1	1125.1	1123.2	1117.8	1112.4	1101.6	1092.6	1085.4
32.5°	1112.4	1110.6	1107.0	1101.6	1092.6	1089.0	1083.6	1076.4	1067.4	1054.7	1049.3
35°	1078.2	1076.4	1071.0	1063.8	1056.5	1052.9	1047.5	1038.5	1029.5	1016.9	1007.9
37.5°	1040.3	1038.5	1033.1	1025.9	1016.9	1013.3	1007.9	998.8	986.2	977.2	966.4
40°	998.8	997.0	993.4	986.2	977.2	973.6	966.4	957.4	943.0	932.1	923.1
42.5°	955.6	953.8	948.4	939.3	932.1	928.5	921.3	912.3	899.7	887.1	874.4
45°	908.7	906.9	901.5	890.7	885.3	879.8	872.6	863.6	852.8	842.0	827.6
47.5°	858.2	856.4	852.8	843.8	833.0	831.2	824.0	814.9	802.3	787.9	777.1
50°	805.9	805.9	800.5	793.3	786.1	780.7	773.5	764.5	748.2	739.2	726.6
52.5°	753.6	751.8	748.2	739.2	733.8	728.4	719.4	714.0	697.7	690.5	676.1
55°	697.7	695.9	688.7	683.3	679.7	674.3	667.1	656.3	647.3	636.4	623.8
57.5°	641.9	640.1	634.6	631.0	623.8	618.4	611.2	604.0	591.4	584.2	571.5
60°	584.2	584.2	580.6	575.1	567.9	562.5	557.1	549.9	539.1	528.3	519.3
62.5°	526.5	526.5	521.1	515.6	512.0	506.6	503.0	494.0	485.0	477.8	463.4
65°	465.2	465.2	458.0	456.2	452.5	448.9	443.5	434.5	429.1	416.5	411.1
67.5°	407.5	409.3	403.9	403.9	398.5	394.8	389.4	382.2	376.8	366.0	360.6
70°	353.4	355.2	351.6	349.8	344.4	340.8	337.2	331.7	324.5	320.9	311.9
72.5°	299.3	301.1	297.5	297.5	292.1	290.3	286.7	283.1	275.9	272.2	263.2
75°	247.0	245.2	245.2	247.0	241.6	239.8	238.0	230.8	227.2	223.6	216.4
77.5°	196.5	196.5	198.3	196.5	192.9	191.1	187.5	182.1	180.3	178.5	171.3
80°	149.6	151.4	151.4	149.6	146.0	144.2	142.4	137.0	135.2	135.2	129.8
82.5°	104.6	104.6	102.8	104.6	101.0	99.2	101.0	95.6	93.8	93.8	90.1
85°	61.3	59.5	59.5	61.3	59.5	59.5	59.5	55.9	55.9	55.9	52.3
87.5°	23.4	23.4	25.2	25.2	23.4	23.4	23.4	23.4	21.6	21.6	19.8
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°	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6
2.5°	1309.0	1309.0	1309.0	1309.0	1310.8	1309.0	1310.8	1310.8	1312.6	1310.8	1312.6
5°	1305.3	1305.3	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5	1303.5	1305.3	1305.3
7.5°	1296.3	1296.3	1294.5	1294.5	1294.5	1294.5	1292.7	1292.7	1294.5	1294.5	1294.5
10°	1285.5	1283.7	1281.9	1281.9	1281.9	1281.9	1280.1	1281.9	1281.9	1281.9	1281.9
12.5°	1269.3	1269.3	1267.5	1265.7	1265.7	1265.7	1263.9	1265.7	1265.7	1265.7	1265.7
15°	1253.1	1251.3	1249.5	1245.9	1245.9	1244.0	1242.2	1244.0	1242.2	1242.2	1244.0
17.5°	1229.6	1229.6	1226.0	1224.2	1222.4	1220.6	1218.8	1218.8	1218.8	1218.8	1222.4
20°	1206.2	1204.4	1200.8	1193.6	1195.4	1193.6	1190.0	1191.8	1191.8	1190.0	1190.0
22.5°	1180.9	1173.7	1170.1	1162.9	1164.7	1161.1	1159.3	1161.1	1159.3	1157.5	1161.1
25°	1146.7	1143.1	1134.1	1134.1	1130.5	1128.7	1128.7	1126.9	1125.1	1123.2	1126.9
27.5°	1116.0	1108.8	1103.4	1096.2	1092.6	1092.6	1090.8	1089.0	1085.4	1089.0	1089.0
30°	1078.2	1071.0	1061.9	1058.3	1054.7	1054.7	1051.1	1049.3	1045.7	1045.7	1051.1
32.5°	1042.1	1031.3	1022.3	1016.9	1015.1	1013.3	1011.5	1004.3	1006.1	1007.9	1009.7
35°	998.8	989.8	982.6	977.2	971.8	970.0	968.2	962.8	962.8	961.0	966.4
37.5°	957.4	946.6	941.1	932.1	928.5	924.9	923.1	919.5	917.7	919.5	921.3
40°	912.3	903.3	894.3	885.3	881.7	879.8	874.4	874.4	870.8	874.4	874.4
42.5°	865.4	856.4	845.6	838.4	834.8	831.2	827.6	825.8	825.8	825.8	827.6
45°	818.5	807.7	796.9	789.7	786.1	784.3	778.9	777.1	773.5	777.1	778.9
47.5°	768.1	759.0	748.2	742.8	737.4	735.6	730.2	726.6	724.8	728.4	728.4
50°	717.6	708.6	699.6	692.3	686.9	685.1	679.7	679.7	676.1	679.7	679.7
52.5°	667.1	658.1	649.1	640.1	636.4	634.6	629.2	629.2	629.2	629.2	629.2
55°	616.6	604.0	598.6	589.6	586.0	584.2	582.4	576.9	578.8	578.8	578.8
57.5°	564.3	555.3	544.5	540.9	535.5	533.7	533.7	526.5	524.7	528.3	528.3
60°	512.0	504.8	494.0	488.6	485.0	485.0	479.6	472.4	470.6	477.8	477.8
62.5°	458.0	447.1	441.7	436.3	432.7	430.9	429.1	423.7	425.5	423.7	423.7
65°	407.5	396.7	393.0	387.6	384.0	382.2	380.4	376.8	373.2	375.0	375.0
67.5°	357.0	348.0	342.6	339.0	335.4	335.4	331.7	328.1	329.9	328.1	328.1
70°	308.3	301.1	293.9	292.1	288.5	288.5	286.7	284.9	283.1	281.3	281.3
72.5°	261.4	254.2	248.8	245.2	243.4	243.4	241.6	236.2	238.0	236.2	236.2
75°	212.8	207.3	205.5	201.9	200.1	200.1	198.3	194.7	196.5	192.9	189.3
77.5°	169.5	164.1	162.3	160.5	162.3	160.5	155.1	156.9	155.1	151.4	151.4
80°	129.8	124.4	124.4	120.8	119.0	119.0	117.2	117.2	115.4	113.6	113.6
82.5°	88.3	86.5	84.7	82.9	81.1	84.7	81.1	79.3	79.3	79.3	77.5
85°	50.5	50.5	48.7	48.7	46.9	48.7	46.9	45.1	46.9	46.9	43.3
87.5°	19.8	21.6	18.0	18.0	18.0	18.0	16.2	18.0	18.0	18.0	16.2
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°	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6
2.5°	1312.6	1310.8	1310.8	1310.8	1310.8	1309.0	1310.8	1310.8	1312.6	1310.8	1310.8
5°	1305.3	1303.5	1305.3	1303.5	1303.5	1305.3	1305.3	1307.2	1307.2	1309.0	1309.0
7.5°	1294.5	1294.5	1294.5	1294.5	1294.5	1296.3	1296.3	1298.1	1299.9	1299.9	1301.7
10°	1281.9	1281.9	1283.7	1281.9	1283.7	1285.5	1287.3	1289.1	1290.9	1292.7	1292.7
12.5°	1265.7	1265.7	1265.7	1269.3	1269.3	1271.1	1272.9	1276.5	1278.3	1281.9	1281.9
15°	1244.0	1244.0	1247.7	1247.7	1249.5	1253.1	1256.7	1258.5	1262.1	1265.7	1267.5
17.5°	1220.6	1220.6	1224.2	1224.2	1226.0	1231.4	1235.0	1236.8	1244.0	1247.7	1251.3
20°	1193.6	1193.6	1199.0	1197.2	1200.8	1206.2	1209.8	1215.2	1220.6	1226.0	1229.6
22.5°	1161.1	1162.9	1168.3	1168.3	1170.1	1177.3	1182.7	1188.2	1193.6	1200.8	1206.2
25°	1126.9	1128.7	1134.1	1135.9	1137.7	1144.9	1152.1	1155.7	1164.7	1173.7	1177.3
27.5°	1089.0	1092.6	1096.2	1098.0	1101.6	1110.6	1117.8	1125.1	1132.3	1141.3	1148.5
30°	1051.1	1054.7	1058.3	1060.1	1063.8	1072.8	1080.0	1089.0	1098.0	1107.0	1114.2
32.5°	1007.9	1013.3	1016.9	1020.5	1022.3	1033.1	1042.1	1051.1	1060.1	1071.0	1080.0
35°	966.4	971.8	975.4	977.2	980.8	991.6	998.8	1007.9	1020.5	1031.3	1040.3
37.5°	921.3	924.9	932.1	932.1	935.7	948.4	957.4	966.4	979.0	989.8	1000.6
40°	876.2	878.0	885.3	887.1	890.7	903.3	912.3	924.9	933.9	946.6	957.4
42.5°	827.6	833.0	840.2	843.8	847.4	854.6	861.8	876.2	885.3	899.7	910.5
45°	778.9	784.3	787.9	789.7	798.7	805.9	813.1	827.6	838.4	851.0	863.6
47.5°	730.2	733.8	739.2	746.4	750.0	757.2	762.7	777.1	787.9	802.3	813.1
50°	679.7	685.1	688.7	690.5	697.7	706.8	714.0	726.6	735.6	750.0	762.7
52.5°	629.2	636.4	636.4	643.7	647.3	650.9	661.7	674.3	683.3	695.9	708.6
55°	580.6	584.2	589.6	591.4	596.8	600.4	607.6	620.2	631.0	643.7	656.3
57.5°	526.5	530.1	533.7	540.9	544.5	551.7	558.9	567.9	576.9	589.6	598.6
60°	474.2	479.6	483.2	488.6	488.6	497.6	506.6	515.6	522.9	535.5	544.5
62.5°	427.3	427.3	427.3	434.5	432.7	439.9	447.1	458.0	465.2	481.4	492.2
65°	376.8	378.6	378.6	384.0	382.2	389.4	394.8	405.7	412.9	421.9	432.7
67.5°	328.1	328.1	329.9	335.4	333.5	339.0	348.0	353.4	358.8	369.6	378.6
70°	277.7	279.5	281.3	286.7	284.9	292.1	297.5	301.1	308.3	315.5	322.7
72.5°	234.4	234.4	239.8	239.8	238.0	243.4	248.8	252.4	256.0	265.0	274.1
75°	192.9	191.1	194.7	194.7	192.9	194.7	198.3	203.7	207.3	214.6	221.8
77.5°	151.4	149.6	153.3	153.3	153.3	151.4	156.9	158.7	160.5	164.1	171.3
80°	111.8	110.0	113.6	113.6	110.0	111.8	115.4	117.2	117.2	120.8	126.2
82.5°	77.5	75.7	77.5	77.5	77.5	77.5	79.3	77.5	79.3	79.3	84.7
85°	46.9	45.1	46.9	45.1	45.1	43.3	46.9	45.1	45.1	46.9	46.9
87.5°	16.2	16.2	18.0	18.0	16.2	18.0	16.2	16.2	16.2	18.0	16.2
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: P571937

CATALOG NUMBER: 22ID-35-L840-SWR

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6
2.5°	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1314.4	1314.4	1312.6	1314.4	1312.6
5°	1309.0	1309.0	1310.8	1310.8	1310.8	1310.8	1310.8	1312.6	1312.6	1312.6	1310.8
7.5°	1303.5	1303.5	1303.5	1303.5	1305.3	1307.2	1307.2	1307.2	1309.0	1307.2	1307.2
10°	1294.5	1298.1	1298.1	1299.9	1299.9	1301.7	1303.5	1303.5	1303.5	1303.5	1303.5
12.5°	1285.5	1287.3	1289.1	1290.9	1292.7	1292.7	1296.3	1296.3	1296.3	1296.3	1294.5
15°	1271.1	1274.7	1276.5	1278.3	1281.9	1281.9	1285.5	1283.7	1287.3	1285.5	1283.7
17.5°	1254.9	1258.5	1262.1	1262.1	1267.5	1269.3	1272.9	1274.7	1274.7	1272.9	1269.3
20°	1235.0	1240.4	1242.2	1245.9	1249.5	1253.1	1254.9	1256.7	1258.5	1256.7	1254.9
22.5°	1211.6	1218.8	1220.6	1224.2	1229.6	1233.2	1235.0	1236.8	1238.6	1238.6	1235.0
25°	1186.4	1195.4	1195.4	1200.8	1206.2	1211.6	1215.2	1215.2	1218.8	1215.2	1215.2
27.5°	1155.7	1166.5	1171.9	1173.7	1180.9	1186.4	1190.0	1193.6	1193.6	1190.0	1190.0
30°	1125.1	1135.9	1141.3	1143.1	1152.1	1157.5	1161.1	1164.7	1164.7	1164.7	1161.1
32.5°	1090.8	1103.4	1108.8	1110.6	1121.4	1126.9	1132.3	1135.9	1135.9	1134.1	1128.7
35°	1054.7	1063.8	1072.8	1076.4	1085.4	1090.8	1099.8	1103.4	1101.6	1101.6	1096.2
37.5°	1013.3	1027.7	1033.1	1036.7	1047.5	1054.7	1063.8	1067.4	1067.4	1065.6	1061.9
40°	970.0	986.2	991.6	997.0	1007.9	1016.9	1022.3	1027.7	1027.7	1027.7	1024.1
42.5°	926.7	939.3	946.6	952.0	964.6	970.0	979.0	986.2	986.2	984.4	979.0
45°	878.0	892.5	899.7	905.1	917.7	928.5	933.9	941.1	939.3	939.3	932.1
47.5°	829.4	843.8	851.0	856.4	869.0	881.7	885.3	892.5	892.5	892.5	885.3
50°	778.9	793.3	798.7	804.1	818.5	825.8	834.8	842.0	842.0	843.8	836.6
52.5°	726.6	737.4	746.4	750.0	764.5	773.5	780.7	789.7	789.7	786.1	786.1
55°	670.7	683.3	692.3	695.9	706.8	721.2	726.6	733.8	733.8	733.8	730.2
57.5°	614.8	629.2	636.4	640.1	652.7	663.5	670.7	677.9	679.7	679.7	672.5
60°	557.1	571.5	578.8	582.4	596.8	605.8	613.0	620.2	622.0	623.8	616.6
62.5°	503.0	515.6	522.9	526.5	537.3	544.5	553.5	562.5	564.3	564.3	560.7
65°	443.5	456.2	461.6	465.2	474.2	486.8	497.6	504.8	506.6	504.8	504.8
67.5°	387.6	398.5	405.7	407.5	416.5	429.1	434.5	441.7	443.5	443.5	441.7
70°	331.7	344.4	349.8	353.4	360.6	371.4	376.8	384.0	385.8	387.6	384.0
72.5°	279.5	288.5	293.9	297.5	306.5	315.5	319.1	326.3	329.9	329.9	326.3
75°	227.2	236.2	239.8	243.4	250.6	259.6	263.2	270.4	274.1	272.2	272.2
77.5°	176.7	183.9	187.5	189.3	194.7	205.5	207.3	214.6	214.6	216.4	216.4
80°	129.8	135.2	138.8	140.6	144.2	151.4	155.1	160.5	164.1	162.3	162.3
82.5°	86.5	90.1	93.8	97.4	97.4	104.6	104.6	110.0	110.0	113.6	111.8
85°	48.7	50.5	52.3	54.1	54.1	59.5	59.5	63.1	66.7	63.1	63.1
87.5°	16.2	18.0	18.0	19.8	18.0	21.6	19.8	23.4	25.2	25.2	23.4
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: P571937

CATALOG NUMBER: 22ID-35-L840-SWR

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6
2.5°	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6
5°	1310.8	1310.8	1309.0	1310.8	1310.8	1310.8	1310.8	1309.0	1309.0	1309.0	1309.0
7.5°	1307.2	1305.3	1305.3	1305.3	1303.5	1303.5	1303.5	1303.5	1301.7	1301.7	1301.7
10°	1301.7	1299.9	1299.9	1299.9	1298.1	1298.1	1296.3	1294.5	1294.5	1292.7	1290.9
12.5°	1294.5	1292.7	1290.9	1290.9	1289.1	1287.3	1285.5	1283.7	1281.9	1278.3	1278.3
15°	1281.9	1281.9	1280.1	1278.3	1274.7	1274.7	1271.1	1269.3	1265.7	1262.1	1262.1
17.5°	1269.3	1267.5	1265.7	1262.1	1258.5	1256.7	1253.1	1249.5	1245.9	1242.2	1240.4
20°	1253.1	1247.7	1249.5	1244.0	1240.4	1236.8	1231.4	1227.8	1222.4	1218.8	1215.2
22.5°	1231.4	1229.6	1227.8	1222.4	1217.0	1215.2	1206.2	1200.8	1195.4	1190.0	1186.4
25°	1208.0	1206.2	1204.4	1199.0	1191.8	1188.2	1179.1	1173.7	1164.7	1161.1	1157.5
27.5°	1180.9	1180.9	1177.3	1170.1	1164.7	1155.7	1150.3	1139.5	1132.3	1126.9	1123.2
30°	1152.1	1152.1	1148.5	1139.5	1132.3	1123.2	1117.8	1107.0	1098.0	1092.6	1085.4
32.5°	1123.2	1121.4	1117.8	1108.8	1099.8	1090.8	1080.0	1071.0	1060.1	1054.7	1047.5
35°	1089.0	1087.2	1083.6	1072.8	1065.6	1054.7	1042.1	1031.3	1020.5	1015.1	1004.3
37.5°	1052.9	1049.3	1045.7	1033.1	1024.1	1013.3	1004.3	989.8	979.0	971.8	966.4
40°	1013.3	1011.5	1006.1	995.2	982.6	971.8	959.2	948.4	937.5	928.5	921.3
42.5°	973.6	966.4	962.8	952.0	943.0	926.7	917.7	903.3	892.5	885.3	874.4
45°	928.5	923.1	917.7	906.9	894.3	881.7	872.6	856.4	845.6	836.6	827.6
47.5°	878.0	876.2	870.8	858.2	847.4	834.8	824.0	807.7	796.9	789.7	780.7
50°	827.6	825.8	822.2	809.5	795.1	784.3	775.3	759.0	748.2	737.4	732.0
52.5°	780.7	773.5	769.9	759.0	744.6	732.0	724.8	708.6	697.7	686.9	679.7
55°	726.6	721.2	717.6	708.6	695.9	679.7	672.5	658.1	649.1	641.9	631.0
57.5°	672.5	665.3	661.7	650.9	641.9	629.2	620.2	605.8	596.8	589.6	582.4
60°	611.2	611.2	607.6	596.8	587.8	575.1	567.9	553.5	544.5	539.1	530.1
62.5°	560.7	553.5	551.7	539.1	533.7	521.1	515.6	503.0	497.6	488.6	479.6
65°	497.6	497.6	495.8	488.6	481.4	465.2	458.0	447.1	441.7	434.5	427.3
67.5°	441.7	436.3	436.3	429.1	420.1	411.1	405.7	394.8	391.2	382.2	376.8
70°	385.8	380.4	380.4	371.4	366.0	357.0	353.4	344.4	337.2	333.5	328.1
72.5°	329.9	326.3	324.5	317.3	313.7	304.7	302.9	293.9	286.7	284.9	279.5
75°	274.1	270.4	265.0	266.8	259.6	252.4	250.6	245.2	241.6	236.2	230.8
77.5°	218.2	214.6	214.6	210.9	207.3	201.9	200.1	196.5	191.1	187.5	183.9
80°	165.9	162.3	162.3	160.5	155.1	151.4	151.4	146.0	146.0	142.4	140.6
82.5°	113.6	111.8	110.0	111.8	108.2	104.6	106.4	104.6	102.8	99.2	97.4
85°	66.7	64.9	63.1	66.7	63.1	64.9	63.1	61.3	61.3	59.5	57.7
87.5°	25.2	25.2	23.4	25.2	25.2	27.0	25.2	25.2	25.2	25.2	25.2
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: P571937

CATALOG NUMBER: 22ID-35-L840-SWR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6
2.5°	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6
5°	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0	1307.2	1309.0
7.5°	1301.7	1299.9	1301.7	1299.9	1299.9	1299.9	1299.9	1299.9	1299.9	1299.9	1299.9
10°	1290.9	1290.9	1290.9	1290.9	1290.9	1290.9	1290.9	1290.9	1290.9	1289.1	1289.1
12.5°	1278.3	1278.3	1276.5	1276.5	1276.5	1274.7	1274.7	1276.5	1276.5	1274.7	1276.5
15°	1260.3	1262.1	1258.5	1256.7	1256.7	1256.7	1256.7	1256.7	1256.7	1256.7	1258.5
17.5°	1240.4	1238.6	1236.8	1236.8	1235.0	1233.2	1233.2	1235.0	1235.0	1236.8	1236.8
20°	1215.2	1215.2	1211.6	1209.8	1208.0	1206.2	1206.2	1208.0	1208.0	1208.0	1211.6
22.5°	1186.4	1184.5	1180.9	1179.1	1179.1	1175.5	1177.3	1179.1	1179.1	1179.1	1180.9
25°	1153.9	1152.1	1150.3	1148.5	1144.9	1143.1	1143.1	1146.7	1146.7	1150.3	1152.1
27.5°	1119.6	1117.8	1114.2	1110.6	1108.8	1107.0	1107.0	1110.6	1110.6	1114.2	1116.0
30°	1083.6	1081.8	1076.4	1074.6	1069.2	1067.4	1069.2	1072.8	1074.6	1076.4	1078.2
32.5°	1045.7	1042.1	1036.7	1034.9	1029.5	1031.3	1027.7	1033.1	1034.9	1036.7	1038.5
35°	1004.3	1000.6	995.2	989.8	988.0	986.2	986.2	989.8	989.8	995.2	997.0
37.5°	959.2	957.4	952.0	948.4	944.8	944.8	941.1	946.6	948.4	952.0	952.0
40°	917.7	915.9	906.9	903.3	899.7	901.5	896.1	901.5	903.3	906.9	908.7
42.5°	869.0	867.2	860.0	856.4	852.8	854.6	849.2	854.6	852.8	858.2	860.0
45°	822.2	820.4	814.9	807.7	804.1	805.9	805.9	805.9	804.1	809.5	811.3
47.5°	775.3	771.7	766.3	759.0	755.4	757.2	757.2	757.2	755.4	762.7	762.7
50°	726.6	723.0	717.6	710.4	708.6	708.6	708.6	708.6	708.6	712.2	714.0
52.5°	676.1	674.3	668.9	661.7	658.1	658.1	658.1	654.5	658.1	659.9	661.7
55°	625.6	623.8	614.8	611.2	607.6	609.4	607.6	605.8	605.8	609.4	611.2
57.5°	575.1	573.3	567.9	566.1	557.1	558.9	557.1	557.1	558.9	558.9	560.7
60°	524.7	522.9	517.5	515.6	508.4	510.2	503.0	506.6	508.4	508.4	508.4
62.5°	470.6	470.6	461.6	458.0	454.3	456.2	450.7	450.7	450.7	454.3	454.3
65°	421.9	420.1	412.9	409.3	405.7	405.7	402.1	402.1	400.3	403.9	403.9
67.5°	371.4	371.4	364.2	360.6	357.0	358.8	353.4	353.4	355.2	355.2	355.2
70°	322.7	322.7	317.3	315.5	310.1	310.1	304.7	306.5	306.5	306.5	306.5
72.5°	275.9	275.9	270.4	268.6	263.2	263.2	257.8	259.6	259.6	257.8	257.8
75°	229.0	230.8	221.8	220.0	216.4	218.2	214.6	212.8	214.6	210.9	210.9
77.5°	182.1	182.1	180.3	178.5	173.1	173.1	171.3	167.7	169.5	165.9	165.9
80°	137.0	138.8	133.4	135.2	129.8	131.6	129.8	126.2	126.2	124.4	122.6
82.5°	95.6	95.6	93.8	95.6	93.8	92.0	90.1	88.3	88.3	84.7	84.7
85°	57.7	59.5	55.9	57.7	57.7	55.9	52.3	52.3	52.3	50.5	50.5
87.5°	23.4	27.0	25.2	25.2	25.2	25.2	23.4	25.2	23.4	21.6	21.6
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: P571937

CATALOG NUMBER: 22ID-35-L840-SWR

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6
2.5°	1310.8	1312.6	1312.6	1312.6	1312.6	1310.8	1310.8	1310.8	1310.8	1310.8	1312.6
5°	1307.2	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0
7.5°	1299.9	1299.9	1301.7	1301.7	1301.7	1301.7	1303.5	1301.7	1303.5	1301.7	1303.5
10°	1289.1	1290.9	1292.7	1292.7	1294.5	1292.7	1294.5	1294.5	1296.3	1296.3	1296.3
12.5°	1276.5	1278.3	1278.3	1281.9	1281.9	1281.9	1283.7	1283.7	1285.5	1287.3	1287.3
15°	1258.5	1260.3	1262.1	1262.1	1265.7	1269.3	1269.3	1271.1	1272.9	1274.7	1274.7
17.5°	1236.8	1238.6	1240.4	1244.0	1247.7	1251.3	1253.1	1253.1	1256.7	1258.5	1258.5
20°	1211.6	1215.2	1218.8	1222.4	1224.2	1229.6	1231.4	1233.2	1236.8	1240.4	1240.4
22.5°	1184.5	1186.4	1191.8	1195.4	1199.0	1204.4	1206.2	1211.6	1215.2	1217.0	1218.8
25°	1152.1	1155.7	1161.1	1164.7	1168.3	1175.5	1180.9	1184.5	1190.0	1193.6	1193.6
27.5°	1116.0	1121.4	1126.9	1130.5	1135.9	1144.9	1150.3	1153.9	1161.1	1164.7	1166.5
30°	1080.0	1083.6	1090.8	1096.2	1101.6	1110.6	1117.8	1123.2	1130.5	1134.1	1135.9
32.5°	1040.3	1045.7	1052.9	1058.3	1065.6	1074.6	1081.8	1087.2	1098.0	1099.8	1101.6
35°	998.8	1004.3	1009.7	1018.7	1025.9	1034.9	1043.9	1051.1	1056.5	1063.8	1065.6
37.5°	955.6	961.0	968.2	975.4	982.6	993.4	1002.4	1007.9	1016.9	1022.3	1025.9
40°	910.5	915.9	924.9	933.9	939.3	950.2	959.2	966.4	979.0	982.6	982.6
42.5°	861.8	869.0	874.4	885.3	890.7	903.3	912.3	923.1	930.3	935.7	937.5
45°	814.9	820.4	831.2	838.4	843.8	856.4	865.4	874.4	883.5	887.1	890.7
47.5°	764.5	771.7	780.7	784.3	793.3	805.9	814.9	824.0	834.8	838.4	840.2
50°	715.8	721.2	726.6	733.8	741.0	753.6	764.5	773.5	782.5	786.1	787.9
52.5°	665.3	670.7	676.1	685.1	688.7	701.4	706.8	715.8	728.4	732.0	733.8
55°	613.0	620.2	627.4	632.8	636.4	647.3	654.5	665.3	672.5	676.1	679.7
57.5°	560.7	566.1	573.3	580.6	582.4	593.2	602.2	607.6	616.6	620.2	623.8
60°	510.2	515.6	521.1	522.9	528.3	539.1	548.1	551.7	560.7	564.3	566.1
62.5°	456.2	458.0	465.2	470.6	470.6	485.0	490.4	497.6	504.8	506.6	510.2
65°	405.7	409.3	409.3	412.9	418.3	427.3	430.9	439.9	445.3	447.1	448.9
67.5°	355.2	358.8	362.4	366.0	366.0	375.0	376.8	384.0	389.4	391.2	393.0
70°	306.5	306.5	311.9	315.5	313.7	320.9	324.5	328.1	335.4	337.2	339.0
72.5°	259.6	257.8	261.4	265.0	268.6	270.4	274.1	275.9	281.3	284.9	286.7
75°	212.8	214.6	214.6	216.4	214.6	216.4	221.8	227.2	230.8	232.6	236.2
77.5°	165.9	167.7	167.7	169.5	171.3	171.3	173.1	180.3	183.9	185.7	183.9
80°	122.6	124.4	124.4	126.2	128.0	129.8	129.8	133.4	138.8	140.6	140.6
82.5°	86.5	86.5	86.5	86.5	88.3	88.3	90.1	93.8	97.4	97.4	101.0
85°	52.3	52.3	50.5	52.3	50.5	52.3	54.1	57.7	59.5	59.5	61.3
87.5°	23.4	21.6	23.4	23.4	21.6	21.6	21.6	23.4	23.4	25.2	25.2
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°	1312.6	1312.6	1312.6	1312.6
2.5°	1312.6	1312.6	1312.6	1312.6
5°	1309.0	1309.0	1309.0	1309.0
7.5°	1303.5	1303.5	1303.5	1303.5
10°	1296.3	1298.1	1298.1	1298.1
12.5°	1287.3	1287.3	1289.1	1289.1
15°	1276.5	1276.5	1276.5	1278.3
17.5°	1260.3	1262.1	1262.1	1262.1
20°	1242.2	1244.0	1244.0	1242.2
22.5°	1218.8	1220.6	1222.4	1222.4
25°	1195.4	1199.0	1200.8	1200.8
27.5°	1168.3	1171.9	1173.7	1173.7
30°	1139.5	1143.1	1143.1	1143.1
32.5°	1105.2	1110.6	1112.4	1112.4
35°	1069.2	1076.4	1078.2	1078.2
37.5°	1031.3	1034.9	1040.3	1040.3
40°	989.8	993.4	998.8	998.8
42.5°	944.8	952.0	952.0	955.6
45°	896.1	903.3	905.1	908.7
47.5°	847.4	854.6	856.4	858.2
50°	795.1	800.5	805.9	805.9
52.5°	742.8	746.4	750.0	753.6
55°	686.9	692.3	694.1	697.7
57.5°	629.2	636.4	638.3	641.9
60°	573.3	578.8	582.4	584.2
62.5°	517.5	521.1	522.9	526.5
65°	456.2	461.6	461.6	465.2
67.5°	400.3	403.9	405.7	407.5
70°	340.8	348.0	349.8	353.4
72.5°	288.5	295.7	295.7	299.3
75°	241.6	243.4	243.4	247.0
77.5°	191.1	192.9	194.7	196.5
80°	144.2	146.0	146.0	149.6
82.5°	102.8	102.8	102.8	104.6
85°	63.1	61.3	59.5	61.3
87.5°	25.2	25.2	27.0	23.4
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P571937

CATALOG NUMBER: 22ID-35-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	16.30	17.92	16.66	18.24	18.55	15.18	16.81	15.55	17.12	17.44
	3H	18.05	19.52	18.43	19.85	20.21	16.80	18.27	17.18	18.60	18.96
	4H	18.71	20.09	19.11	20.44	20.82	17.39	18.78	17.79	19.12	19.50
	6H	19.20	20.48	19.61	20.85	21.24	17.82	19.11	18.24	19.47	19.86
	8H	19.36	20.58	19.78	20.97	21.37	17.96	19.18	18.38	19.57	19.97
	12H	19.46	20.63	19.89	21.01	21.44	18.04	19.21	18.47	19.59	20.02
4H	2H	16.78	18.17	17.18	18.51	18.89	15.88	17.27	16.28	17.61	17.99
	3H	18.76	19.92	19.17	20.32	20.72	17.71	18.87	18.11	19.26	19.66
	4H	19.55	20.60	19.98	21.02	21.45	18.41	19.46	18.84	19.87	20.31
	6H	20.18	21.10	20.64	21.54	22.00	18.96	19.87	19.41	20.31	20.77
	8H	20.40	21.26	20.86	21.70	22.16	19.13	19.99	19.59	20.43	20.89
	12H	20.54	21.31	21.02	21.79	22.26	19.24	20.02	19.72	20.49	20.96
8H	4H	19.79	20.65	20.25	21.09	21.55	18.76	19.62	19.22	20.06	20.52
	6H	20.53	21.24	21.02	21.73	22.21	19.41	20.12	19.91	20.61	21.09
	8H	20.82	21.46	21.33	21.96	22.45	19.65	20.29	20.16	20.79	21.28
	12H	21.04	21.61	21.55	22.10	22.66	19.82	20.39	20.33	20.88	21.44
12H	4H	19.81	20.58	20.29	21.05	21.52	18.80	19.57	19.28	20.05	20.52
	6H	20.56	21.21	21.07	21.71	22.20	19.48	20.12	19.99	20.62	21.11
	8H	20.90	21.47	21.41	21.96	22.52	19.77	20.33	20.27	20.82	21.38