

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: P571941

Luminaire Tested: 22ID-35-L850-SWR

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P571941
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-L850-SWR
Description: 3500 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: 3740.0 lumens
Efficiency: N/A
Efficacy: 129.9 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

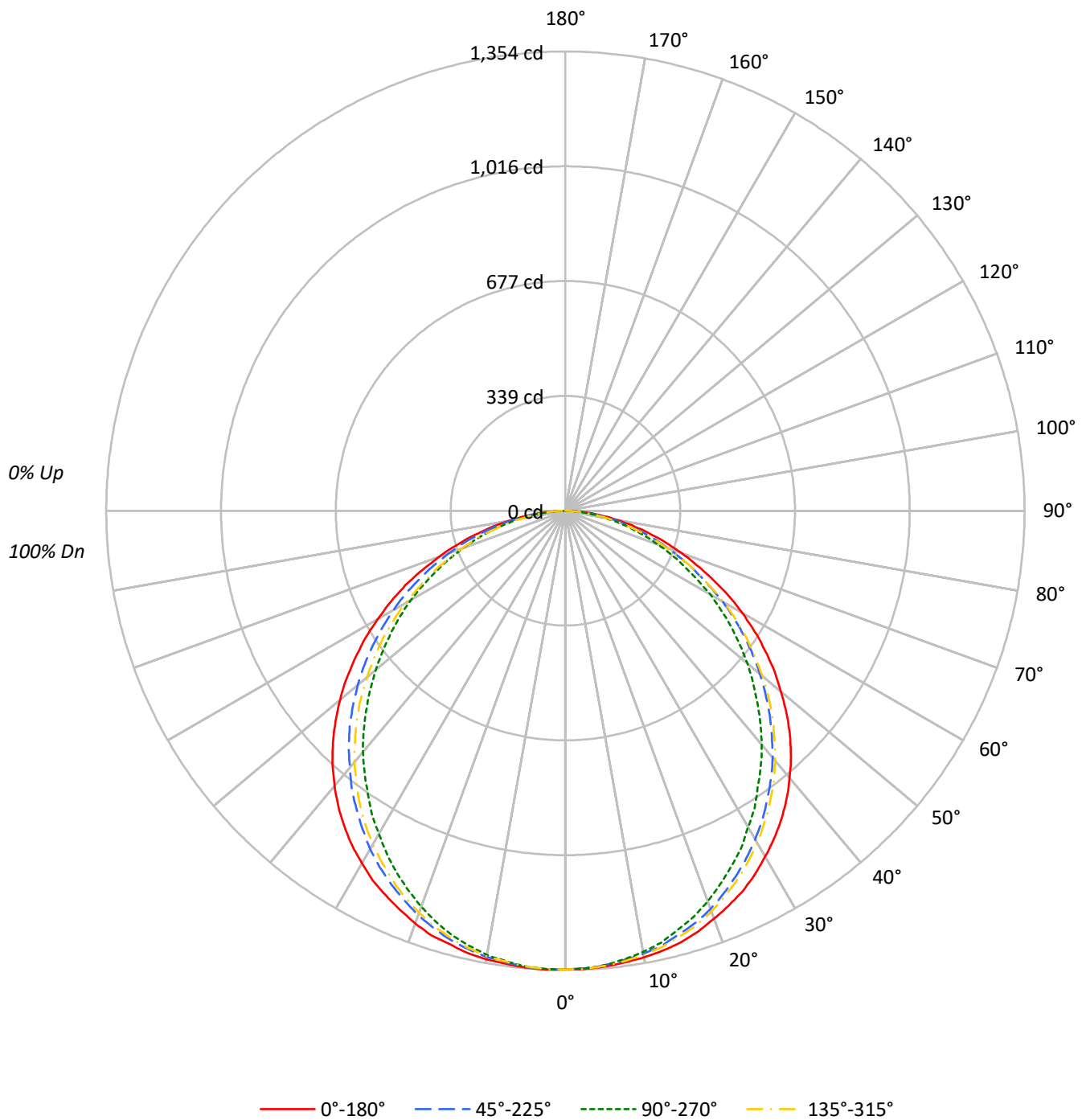
Input Watts (W): 28.8
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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CATALOG NUMBER: 22ID-35-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°	3639	3639	3639	3639
5°	3643	3633	3653	3643
10°	3655	3609	3670	3634
15°	3669	3566	3685	3607
20°	3665	3511	3708	3559
25°	3673	3436	3717	3497
30°	3659	3348	3729	3417
35°	3649	3253	3735	3338
40°	3615	3165	3719	3263
45°	3563	3047	3690	3160
50°	3476	2932	3632	3056
55°	3373	2798	3547	2946
60°	3239	2650	3439	2829
65°	3052	2460	3312	2662
70°	2865	2280	3113	2514
75°	2646	2067	2897	2337
80°	2390	1813	2562	2101
85°	1951	1491	2007	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 3690 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.1	3.4
10°-20°	367.5	9.8
20°-30°	554.8	14.8
30°-40°	662.4	17.7
40°-50°	675.9	18.1
50°-60°	596.0	15.9
60°-70°	440.5	11.8
70°-80°	248.4	6.6
80°-90°	66.5	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°	1050.4	28.1
0°-40°	1712.7	45.8
0°-60°	2984.6	79.8
0°-90°	3740.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3740.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1352	1352	1352	1352	1352	
5°	1349	1345	1352	1349	1349	128
15°	1317	1280	1323	1295	1317	372
25°	1237	1157	1252	1178	1237	570
35°	1111	990	1137	1016	1111	694
45°	936	801	970	830	936	721
55°	719	596	756	628	719	642
65°	479	386	520	418	479	476
75°	254	199	279	225	254	270
85°	63	48	65	58	63	74
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°	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3
2.5°	1352.3	1352.3	1352.3	1352.3	1350.5	1348.6	1348.6	1350.5	1350.5	1348.6	1350.5
5°	1348.6	1348.6	1348.6	1346.8	1344.9	1344.9	1344.9	1344.9	1343.0	1344.9	1344.9
7.5°	1343.0	1343.0	1343.0	1341.2	1339.3	1339.3	1339.3	1337.5	1335.6	1337.5	1335.6
10°	1337.5	1335.6	1335.6	1335.6	1331.9	1330.0	1330.0	1330.0	1328.2	1328.2	1326.3
12.5°	1328.2	1326.3	1326.3	1324.5	1322.6	1320.8	1318.9	1317.0	1315.2	1313.3	1313.3
15°	1317.0	1317.0	1313.3	1311.5	1307.8	1305.9	1304.0	1302.2	1298.5	1296.6	1292.9
17.5°	1300.3	1300.3	1296.6	1294.7	1291.0	1287.3	1287.3	1283.6	1279.9	1276.2	1274.3
20°	1279.9	1281.7	1279.9	1276.2	1270.6	1268.7	1266.9	1263.2	1257.6	1253.9	1250.2
22.5°	1259.5	1261.3	1257.6	1252.0	1248.3	1246.5	1242.7	1237.2	1231.6	1226.0	1220.4
25°	1237.2	1235.3	1231.6	1227.9	1222.3	1220.4	1216.7	1211.2	1201.9	1196.3	1188.9
27.5°	1209.3	1209.3	1203.7	1200.0	1190.7	1190.7	1185.2	1177.7	1170.3	1161.0	1155.4
30°	1177.7	1177.7	1174.0	1168.4	1159.1	1157.3	1151.7	1146.1	1135.0	1125.7	1118.3
32.5°	1146.1	1144.3	1140.6	1135.0	1125.7	1122.0	1116.4	1109.0	1099.7	1086.7	1081.1
35°	1110.8	1109.0	1103.4	1096.0	1088.6	1084.8	1079.3	1070.0	1060.7	1047.7	1038.4
37.5°	1071.8	1070.0	1064.4	1057.0	1047.7	1044.0	1038.4	1029.1	1016.1	1006.8	995.7
40°	1029.1	1027.3	1023.5	1016.1	1006.8	1003.1	995.7	986.4	971.5	960.4	951.1
42.5°	984.5	982.7	977.1	967.8	960.4	956.7	949.2	939.9	926.9	913.9	900.9
45°	936.2	934.4	928.8	917.7	912.1	906.5	899.1	889.8	878.6	867.5	852.6
47.5°	884.2	882.4	878.6	869.4	858.2	856.4	848.9	839.6	826.6	811.8	800.6
50°	830.3	830.3	824.8	817.3	809.9	804.3	796.9	787.6	770.9	761.6	748.6
52.5°	776.5	774.6	770.9	761.6	756.0	750.5	741.2	735.6	718.9	711.5	696.6
55°	718.9	717.0	709.6	704.0	700.3	694.7	687.3	676.2	666.9	655.7	642.7
57.5°	661.3	659.4	653.9	650.2	642.7	637.2	629.7	622.3	609.3	601.9	588.9
60°	601.9	601.9	598.1	592.6	585.1	579.6	574.0	566.6	555.4	544.3	535.0
62.5°	542.4	542.4	536.8	531.3	527.6	522.0	518.3	509.0	499.7	492.3	477.4
65°	479.3	479.3	471.8	470.0	466.3	462.5	457.0	447.7	442.1	429.1	423.5
67.5°	419.8	421.7	416.1	416.1	410.5	406.8	401.2	393.8	388.2	377.1	371.5
70°	364.1	365.9	362.2	360.4	354.8	351.1	347.4	341.8	334.4	330.7	321.4
72.5°	308.4	310.2	306.5	306.5	300.9	299.1	295.4	291.6	284.2	280.5	271.2
75°	254.5	252.6	252.6	254.5	248.9	247.1	245.2	237.8	234.1	230.3	222.9
77.5°	202.5	202.5	204.3	202.5	198.8	196.9	193.2	187.6	185.8	183.9	176.5
80°	154.2	156.0	156.0	154.2	150.5	148.6	146.8	141.2	139.3	139.3	133.7
82.5°	107.7	107.7	105.9	107.7	104.0	102.2	104.0	98.5	96.6	96.6	92.9
85°	63.2	61.3	61.3	63.2	61.3	61.3	61.3	57.6	57.6	57.6	53.9
87.5°	24.1	24.1	26.0	26.0	24.1	24.1	24.1	24.1	22.3	22.3	20.4
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):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3
2.5°	1348.6	1348.6	1348.6	1348.6	1350.5	1348.6	1350.5	1350.5	1352.3	1350.5	1352.3
5°	1344.9	1344.9	1343.0	1343.0	1343.0	1343.0	1343.0	1343.0	1343.0	1344.9	1344.9
7.5°	1335.6	1335.6	1333.8	1333.8	1333.8	1333.8	1331.9	1331.9	1333.8	1333.8	1333.8
10°	1324.5	1322.6	1320.8	1320.8	1320.8	1320.8	1318.9	1320.8	1320.8	1320.8	1320.8
12.5°	1307.8	1307.8	1305.9	1304.0	1304.0	1304.0	1302.2	1304.0	1304.0	1304.0	1304.0
15°	1291.0	1289.2	1287.3	1283.6	1283.6	1281.7	1279.9	1281.7	1279.9	1279.9	1281.7
17.5°	1266.9	1266.9	1263.2	1261.3	1259.5	1257.6	1255.7	1255.7	1255.7	1255.7	1259.5
20°	1242.7	1240.9	1237.2	1229.7	1231.6	1229.7	1226.0	1227.9	1227.9	1226.0	1226.0
22.5°	1216.7	1209.3	1205.6	1198.2	1200.0	1196.3	1194.4	1196.3	1194.4	1192.6	1196.3
25°	1181.4	1177.7	1168.4	1168.4	1164.7	1162.9	1162.9	1161.0	1159.1	1157.3	1161.0
27.5°	1149.9	1142.4	1136.9	1129.4	1125.7	1125.7	1123.8	1122.0	1118.3	1122.0	1122.0
30°	1110.8	1103.4	1094.1	1090.4	1086.7	1086.7	1083.0	1081.1	1077.4	1077.4	1083.0
32.5°	1073.7	1062.5	1053.3	1047.7	1045.8	1044.0	1042.1	1034.7	1036.5	1038.4	1040.3
35°	1029.1	1019.8	1012.4	1006.8	1001.2	999.4	997.5	992.0	992.0	990.1	995.7
37.5°	986.4	975.2	969.7	960.4	956.7	953.0	951.1	947.4	945.5	947.4	949.2
40°	939.9	930.7	921.4	912.1	908.4	906.5	900.9	900.9	897.2	900.9	900.9
42.5°	891.6	882.4	871.2	863.8	860.1	856.4	852.6	850.8	850.8	850.8	852.6
45°	843.4	832.2	821.1	813.6	809.9	808.1	802.5	800.6	796.9	800.6	802.5
47.5°	791.3	782.1	770.9	765.3	759.8	757.9	752.3	748.6	746.8	750.5	750.5
50°	739.3	730.0	720.7	713.3	707.7	705.9	700.3	700.3	696.6	700.3	700.3
52.5°	687.3	678.0	668.7	659.4	655.7	653.9	648.3	648.3	648.3	648.3	648.3
55°	635.3	622.3	616.7	607.4	603.7	601.9	600.0	594.4	596.3	596.3	596.3
57.5°	581.4	572.1	561.0	557.3	551.7	549.9	549.9	542.4	540.6	544.3	544.3
60°	527.6	520.1	509.0	503.4	499.7	499.7	494.1	486.7	484.8	492.3	492.3
62.5°	471.8	460.7	455.1	449.5	445.8	444.0	442.1	436.5	438.4	436.5	436.5
65°	419.8	408.7	405.0	399.4	395.7	393.8	392.0	388.2	384.5	386.4	386.4
67.5°	367.8	358.5	352.9	349.2	345.5	345.5	341.8	338.1	339.9	338.1	338.1
70°	317.7	310.2	302.8	300.9	297.2	297.2	295.4	293.5	291.6	289.8	289.8
72.5°	269.4	261.9	256.3	252.6	250.8	250.8	248.9	243.3	245.2	243.3	243.3
75°	219.2	213.6	211.8	208.1	206.2	206.2	204.3	200.6	202.5	198.8	195.0
77.5°	174.6	169.0	167.2	165.3	167.2	165.3	159.8	161.6	159.8	156.0	156.0
80°	133.7	128.2	128.2	124.5	122.6	122.6	120.7	120.7	118.9	117.0	117.0
82.5°	91.0	89.2	87.3	85.4	83.6	87.3	83.6	81.7	81.7	81.7	79.9
85°	52.0	52.0	50.2	50.2	48.3	50.2	48.3	46.4	48.3	48.3	44.6
87.5°	20.4	22.3	18.6	18.6	18.6	18.6	16.7	18.6	18.6	18.6	16.7
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°	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3
2.5°	1352.3	1350.5	1350.5	1350.5	1350.5	1348.6	1350.5	1350.5	1352.3	1350.5	1350.5
5°	1344.9	1343.0	1344.9	1343.0	1343.0	1344.9	1344.9	1346.8	1346.8	1348.6	1348.6
7.5°	1333.8	1333.8	1333.8	1333.8	1333.8	1335.6	1335.6	1337.5	1339.3	1339.3	1341.2
10°	1320.8	1320.8	1322.6	1320.8	1322.6	1324.5	1326.3	1328.2	1330.0	1331.9	1331.9
12.5°	1304.0	1304.0	1304.0	1307.8	1307.8	1309.6	1311.5	1315.2	1317.0	1320.8	1320.8
15°	1281.7	1281.7	1285.5	1285.5	1287.3	1291.0	1294.7	1296.6	1300.3	1304.0	1305.9
17.5°	1257.6	1257.6	1261.3	1261.3	1263.2	1268.7	1272.5	1274.3	1281.7	1285.5	1289.2
20°	1229.7	1229.7	1235.3	1233.4	1237.2	1242.7	1246.5	1252.0	1257.6	1263.2	1266.9
22.5°	1196.3	1198.2	1203.7	1203.7	1205.6	1213.0	1218.6	1224.2	1229.7	1237.2	1242.7
25°	1161.0	1162.9	1168.4	1170.3	1172.1	1179.6	1187.0	1190.7	1200.0	1209.3	1213.0
27.5°	1122.0	1125.7	1129.4	1131.3	1135.0	1144.3	1151.7	1159.1	1166.6	1175.9	1183.3
30°	1083.0	1086.7	1090.4	1092.3	1096.0	1105.3	1112.7	1122.0	1131.3	1140.6	1148.0
32.5°	1038.4	1044.0	1047.7	1051.4	1053.3	1064.4	1073.7	1083.0	1092.3	1103.4	1112.7
35°	995.7	1001.2	1005.0	1006.8	1010.5	1021.7	1029.1	1038.4	1051.4	1062.5	1071.8
37.5°	949.2	953.0	960.4	960.4	964.1	977.1	986.4	995.7	1008.7	1019.8	1031.0
40°	902.8	904.7	912.1	913.9	917.7	930.7	939.9	953.0	962.2	975.2	986.4
42.5°	852.6	858.2	865.6	869.4	873.1	880.5	887.9	902.8	912.1	926.9	938.1
45°	802.5	808.1	811.8	813.6	822.9	830.3	837.8	852.6	863.8	876.8	889.8
47.5°	752.3	756.0	761.6	769.0	772.8	780.2	785.8	800.6	811.8	826.6	837.8
50°	700.3	705.9	709.6	711.5	718.9	728.2	735.6	748.6	757.9	772.8	785.8
52.5°	648.3	655.7	655.7	663.2	666.9	670.6	681.7	694.7	704.0	717.0	730.0
55°	598.1	601.9	607.4	609.3	614.9	618.6	626.0	639.0	650.2	663.2	676.2
57.5°	542.4	546.1	549.9	557.3	561.0	568.4	575.9	585.1	594.4	607.4	616.7
60°	488.5	494.1	497.8	503.4	503.4	512.7	522.0	531.3	538.7	551.7	561.0
62.5°	440.3	440.3	440.3	447.7	445.8	453.3	460.7	471.8	479.3	496.0	507.1
65°	388.2	390.1	390.1	395.7	393.8	401.2	406.8	418.0	425.4	434.7	445.8
67.5°	338.1	338.1	339.9	345.5	343.7	349.2	358.5	364.1	369.7	380.8	390.1
70°	286.1	287.9	289.8	295.4	293.5	300.9	306.5	310.2	317.7	325.1	332.5
72.5°	241.5	241.5	247.1	247.1	245.2	250.8	256.3	260.1	263.8	273.1	282.4
75°	198.8	196.9	200.6	200.6	198.8	200.6	204.3	209.9	213.6	221.1	228.5
77.5°	156.0	154.2	157.9	157.9	157.9	156.0	161.6	163.5	165.3	169.0	176.5
80°	115.2	113.3	117.0	117.0	113.3	115.2	118.9	120.7	120.7	124.5	130.0
82.5°	79.9	78.0	79.9	79.9	79.9	79.9	81.7	79.9	81.7	81.7	87.3
85°	48.3	46.4	48.3	46.4	46.4	44.6	48.3	46.4	46.4	48.3	48.3
87.5°	16.7	16.7	18.6	18.6	16.7	18.6	16.7	16.7	16.7	18.6	16.7
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: P571941

CATALOG NUMBER: 22ID-35-L850-SWR

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3
2.5°	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1354.2	1354.2	1352.3	1354.2	1352.3
5°	1348.6	1348.6	1350.5	1350.5	1350.5	1350.5	1350.5	1352.3	1352.3	1352.3	1350.5
7.5°	1343.0	1343.0	1343.0	1343.0	1344.9	1346.8	1346.8	1346.8	1348.6	1346.8	1346.8
10°	1333.8	1337.5	1337.5	1339.3	1339.3	1341.2	1343.0	1343.0	1343.0	1343.0	1343.0
12.5°	1324.5	1326.3	1328.2	1330.0	1331.9	1331.9	1335.6	1335.6	1335.6	1335.6	1333.8
15°	1309.6	1313.3	1315.2	1317.0	1320.8	1320.8	1324.5	1322.6	1326.3	1324.5	1322.6
17.5°	1292.9	1296.6	1300.3	1300.3	1305.9	1307.8	1311.5	1313.3	1313.3	1311.5	1307.8
20°	1272.5	1278.0	1279.9	1283.6	1287.3	1291.0	1292.9	1294.7	1296.6	1294.7	1292.9
22.5°	1248.3	1255.7	1257.6	1261.3	1266.9	1270.6	1272.5	1274.3	1276.2	1276.2	1272.5
25°	1222.3	1231.6	1231.6	1237.2	1242.7	1248.3	1252.0	1252.0	1255.7	1252.0	1252.0
27.5°	1190.7	1201.9	1207.4	1209.3	1216.7	1222.3	1226.0	1229.7	1229.7	1226.0	1226.0
30°	1159.1	1170.3	1175.9	1177.7	1187.0	1192.6	1196.3	1200.0	1200.0	1200.0	1196.3
32.5°	1123.8	1136.9	1142.4	1144.3	1155.4	1161.0	1166.6	1170.3	1170.3	1168.4	1162.9
35°	1086.7	1096.0	1105.3	1109.0	1118.3	1123.8	1133.1	1136.9	1135.0	1135.0	1129.4
37.5°	1044.0	1058.8	1064.4	1068.1	1079.3	1086.7	1096.0	1099.7	1099.7	1097.8	1094.1
40°	999.4	1016.1	1021.7	1027.3	1038.4	1047.7	1053.3	1058.8	1058.8	1058.8	1055.1
42.5°	954.8	967.8	975.2	980.8	993.8	999.4	1008.7	1016.1	1016.1	1014.3	1008.7
45°	904.7	919.5	926.9	932.5	945.5	956.7	962.2	969.7	967.8	967.8	960.4
47.5°	854.5	869.4	876.8	882.4	895.4	908.4	912.1	919.5	919.5	919.5	912.1
50°	802.5	817.3	822.9	828.5	843.4	850.8	860.1	867.5	867.5	869.4	861.9
52.5°	748.6	759.8	769.0	772.8	787.6	796.9	804.3	813.6	813.6	809.9	809.9
55°	691.0	704.0	713.3	717.0	728.2	743.0	748.6	756.0	756.0	756.0	752.3
57.5°	633.4	648.3	655.7	659.4	672.5	683.6	691.0	698.5	700.3	700.3	692.9
60°	574.0	588.9	596.3	600.0	614.9	624.2	631.6	639.0	640.9	642.7	635.3
62.5°	518.3	531.3	538.7	542.4	553.6	561.0	570.3	579.6	581.4	581.4	577.7
65°	457.0	470.0	475.5	479.3	488.5	501.6	512.7	520.1	522.0	520.1	520.1
67.5°	399.4	410.5	418.0	419.8	429.1	442.1	447.7	455.1	457.0	457.0	455.1
70°	341.8	354.8	360.4	364.1	371.5	382.7	388.2	395.7	397.5	399.4	395.7
72.5°	287.9	297.2	302.8	306.5	315.8	325.1	328.8	336.2	339.9	339.9	336.2
75°	234.1	243.3	247.1	250.8	258.2	267.5	271.2	278.6	282.4	280.5	280.5
77.5°	182.0	189.5	193.2	195.0	200.6	211.8	213.6	221.1	221.1	222.9	222.9
80°	133.7	139.3	143.0	144.9	148.6	156.0	159.8	165.3	169.0	167.2	167.2
82.5°	89.2	92.9	96.6	100.3	100.3	107.7	107.7	113.3	113.3	117.0	115.2
85°	50.2	52.0	53.9	55.7	55.7	61.3	61.3	65.0	68.7	65.0	65.0
87.5°	16.7	18.6	18.6	20.4	18.6	22.3	20.4	24.1	26.0	26.0	24.1
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: P571941

CATALOG NUMBER: 22ID-35-L850-SWR

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3
2.5°	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3
5°	1350.5	1350.5	1348.6	1350.5	1350.5	1350.5	1350.5	1348.6	1348.6	1348.6	1348.6
7.5°	1346.8	1344.9	1344.9	1344.9	1343.0	1343.0	1343.0	1343.0	1341.2	1341.2	1341.2
10°	1341.2	1339.3	1339.3	1339.3	1337.5	1337.5	1335.6	1333.8	1333.8	1331.9	1330.0
12.5°	1333.8	1331.9	1330.0	1330.0	1328.2	1326.3	1324.5	1322.6	1320.8	1317.0	1317.0
15°	1320.8	1320.8	1318.9	1317.0	1313.3	1313.3	1309.6	1307.8	1304.0	1300.3	1300.3
17.5°	1307.8	1305.9	1304.0	1300.3	1296.6	1294.7	1291.0	1287.3	1283.6	1279.9	1278.0
20°	1291.0	1285.5	1287.3	1281.7	1278.0	1274.3	1268.7	1265.0	1259.5	1255.7	1252.0
22.5°	1268.7	1266.9	1265.0	1259.5	1253.9	1252.0	1242.7	1237.2	1231.6	1226.0	1222.3
25°	1244.6	1242.7	1240.9	1235.3	1227.9	1224.2	1214.9	1209.3	1200.0	1196.3	1192.6
27.5°	1216.7	1216.7	1213.0	1205.6	1200.0	1190.7	1185.2	1174.0	1166.6	1161.0	1157.3
30°	1187.0	1187.0	1183.3	1174.0	1166.6	1157.3	1151.7	1140.6	1131.3	1125.7	1118.3
32.5°	1157.3	1155.4	1151.7	1142.4	1133.1	1123.8	1112.7	1103.4	1092.3	1086.7	1079.3
35°	1122.0	1120.1	1116.4	1105.3	1097.8	1086.7	1073.7	1062.5	1051.4	1045.8	1034.7
37.5°	1084.8	1081.1	1077.4	1064.4	1055.1	1044.0	1034.7	1019.8	1008.7	1001.2	995.7
40°	1044.0	1042.1	1036.5	1025.4	1012.4	1001.2	988.2	977.1	966.0	956.7	949.2
42.5°	1003.1	995.7	992.0	980.8	971.5	954.8	945.5	930.7	919.5	912.1	900.9
45°	956.7	951.1	945.5	934.4	921.4	908.4	899.1	882.4	871.2	861.9	852.6
47.5°	904.7	902.8	897.2	884.2	873.1	860.1	848.9	832.2	821.1	813.6	804.3
50°	852.6	850.8	847.1	834.1	819.2	808.1	798.8	782.1	770.9	759.8	754.2
52.5°	804.3	796.9	793.2	782.1	767.2	754.2	746.8	730.0	718.9	707.7	700.3
55°	748.6	743.0	739.3	730.0	717.0	700.3	692.9	678.0	668.7	661.3	650.2
57.5°	692.9	685.5	681.7	670.6	661.3	648.3	639.0	624.2	614.9	607.4	600.0
60°	629.7	629.7	626.0	614.9	605.6	592.6	585.1	570.3	561.0	555.4	546.1
62.5°	577.7	570.3	568.4	555.4	549.9	536.8	531.3	518.3	512.7	503.4	494.1
65°	512.7	512.7	510.8	503.4	496.0	479.3	471.8	460.7	455.1	447.7	440.3
67.5°	455.1	449.5	449.5	442.1	432.8	423.5	418.0	406.8	403.1	393.8	388.2
70°	397.5	392.0	392.0	382.7	377.1	367.8	364.1	354.8	347.4	343.7	338.1
72.5°	339.9	336.2	334.4	326.9	323.2	313.9	312.1	302.8	295.4	293.5	287.9
75°	282.4	278.6	273.1	274.9	267.5	260.1	258.2	252.6	248.9	243.3	237.8
77.5°	224.8	221.1	221.1	217.3	213.6	208.1	206.2	202.5	196.9	193.2	189.5
80°	170.9	167.2	167.2	165.3	159.8	156.0	156.0	150.5	150.5	146.8	144.9
82.5°	117.0	115.2	113.3	115.2	111.5	107.7	109.6	107.7	105.9	102.2	100.3
85°	68.7	66.9	65.0	68.7	65.0	66.9	65.0	63.2	63.2	61.3	59.4
87.5°	26.0	26.0	24.1	26.0	26.0	27.9	26.0	26.0	26.0	26.0	26.0
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: P571941

CATALOG NUMBER: 22ID-35-L850-SWR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3
2.5°	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3
5°	1348.6	1348.6	1348.6	1348.6	1348.6	1348.6	1348.6	1348.6	1348.6	1346.8	1348.6
7.5°	1341.2	1339.3	1341.2	1339.3	1339.3	1339.3	1339.3	1339.3	1339.3	1339.3	1339.3
10°	1330.0	1330.0	1330.0	1330.0	1330.0	1330.0	1330.0	1330.0	1330.0	1328.2	1328.2
12.5°	1317.0	1317.0	1315.2	1315.2	1315.2	1313.3	1313.3	1315.2	1315.2	1313.3	1315.2
15°	1298.5	1300.3	1296.6	1294.7	1294.7	1294.7	1294.7	1294.7	1294.7	1294.7	1296.6
17.5°	1278.0	1276.2	1274.3	1274.3	1272.5	1270.6	1270.6	1272.5	1272.5	1274.3	1274.3
20°	1252.0	1252.0	1248.3	1246.5	1244.6	1242.7	1242.7	1244.6	1244.6	1244.6	1248.3
22.5°	1222.3	1220.4	1216.7	1214.9	1214.9	1211.2	1213.0	1214.9	1214.9	1214.9	1216.7
25°	1188.9	1187.0	1185.2	1183.3	1179.6	1177.7	1177.7	1181.4	1181.4	1185.2	1187.0
27.5°	1153.6	1151.7	1148.0	1144.3	1142.4	1140.6	1140.6	1144.3	1144.3	1148.0	1149.9
30°	1116.4	1114.6	1109.0	1107.1	1101.6	1099.7	1101.6	1105.3	1107.1	1109.0	1110.8
32.5°	1077.4	1073.7	1068.1	1066.3	1060.7	1062.5	1058.8	1064.4	1066.3	1068.1	1070.0
35°	1034.7	1031.0	1025.4	1019.8	1018.0	1016.1	1016.1	1019.8	1019.8	1025.4	1027.3
37.5°	988.2	986.4	980.8	977.1	973.4	973.4	969.7	975.2	977.1	980.8	980.8
40°	945.5	943.7	934.4	930.7	926.9	928.8	923.2	928.8	930.7	934.4	936.2
42.5°	895.4	893.5	886.1	882.4	878.6	880.5	874.9	880.5	878.6	884.2	886.1
45°	847.1	845.2	839.6	832.2	828.5	830.3	830.3	830.3	828.5	834.1	835.9
47.5°	798.8	795.1	789.5	782.1	778.3	780.2	780.2	780.2	778.3	785.8	785.8
50°	748.6	744.9	739.3	731.9	730.0	730.0	730.0	730.0	730.0	733.8	735.6
52.5°	696.6	694.7	689.2	681.7	678.0	678.0	678.0	674.3	678.0	679.9	681.7
55°	644.6	642.7	633.4	629.7	626.0	627.9	626.0	624.2	624.2	627.9	629.7
57.5°	592.6	590.7	585.1	583.3	574.0	575.9	574.0	574.0	575.9	575.9	577.7
60°	540.6	538.7	533.1	531.3	523.8	525.7	518.3	522.0	523.8	523.8	523.8
62.5°	484.8	484.8	475.5	471.8	468.1	470.0	464.4	464.4	464.4	468.1	468.1
65°	434.7	432.8	425.4	421.7	418.0	418.0	414.2	414.2	412.4	416.1	416.1
67.5°	382.7	382.7	375.2	371.5	367.8	369.7	364.1	364.1	365.9	365.9	365.9
70°	332.5	332.5	326.9	325.1	319.5	319.5	313.9	315.8	315.8	315.8	315.8
72.5°	284.2	284.2	278.6	276.8	271.2	271.2	265.6	267.5	267.5	265.6	265.6
75°	235.9	237.8	228.5	226.6	222.9	224.8	221.1	219.2	221.1	217.3	217.3
77.5°	187.6	187.6	185.8	183.9	178.3	178.3	176.5	172.8	174.6	170.9	170.9
80°	141.2	143.0	137.5	139.3	133.7	135.6	133.7	130.0	130.0	128.2	126.3
82.5°	98.5	98.5	96.6	98.5	96.6	94.7	92.9	91.0	91.0	87.3	87.3
85°	59.4	61.3	57.6	59.4	59.4	57.6	53.9	53.9	53.9	52.0	52.0
87.5°	24.1	27.9	26.0	26.0	26.0	26.0	24.1	26.0	24.1	22.3	22.3
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: P571941

CATALOG NUMBER: 22ID-35-L850-SWR

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3	1352.3
2.5°	1350.5	1352.3	1352.3	1352.3	1352.3	1350.5	1350.5	1350.5	1350.5	1350.5	1352.3
5°	1346.8	1348.6	1348.6	1348.6	1348.6	1348.6	1348.6	1348.6	1348.6	1348.6	1348.6
7.5°	1339.3	1339.3	1341.2	1341.2	1341.2	1341.2	1343.0	1341.2	1343.0	1341.2	1343.0
10°	1328.2	1330.0	1331.9	1331.9	1333.8	1331.9	1333.8	1333.8	1335.6	1335.6	1335.6
12.5°	1315.2	1317.0	1317.0	1320.8	1320.8	1320.8	1322.6	1322.6	1324.5	1326.3	1326.3
15°	1296.6	1298.5	1300.3	1300.3	1304.0	1307.8	1307.8	1309.6	1311.5	1313.3	1313.3
17.5°	1274.3	1276.2	1278.0	1281.7	1285.5	1289.2	1291.0	1291.0	1294.7	1296.6	1296.6
20°	1248.3	1252.0	1255.7	1259.5	1261.3	1266.9	1268.7	1270.6	1274.3	1278.0	1278.0
22.5°	1220.4	1222.3	1227.9	1231.6	1235.3	1240.9	1242.7	1248.3	1252.0	1253.9	1255.7
25°	1187.0	1190.7	1196.3	1200.0	1203.7	1211.2	1216.7	1220.4	1226.0	1229.7	1229.7
27.5°	1149.9	1155.4	1161.0	1164.7	1170.3	1179.6	1185.2	1188.9	1196.3	1200.0	1201.9
30°	1112.7	1116.4	1123.8	1129.4	1135.0	1144.3	1151.7	1157.3	1164.7	1168.4	1170.3
32.5°	1071.8	1077.4	1084.8	1090.4	1097.8	1107.1	1114.6	1120.1	1131.3	1133.1	1135.0
35°	1029.1	1034.7	1040.3	1049.5	1057.0	1066.3	1075.6	1083.0	1088.6	1096.0	1097.8
37.5°	984.5	990.1	997.5	1005.0	1012.4	1023.5	1032.8	1038.4	1047.7	1053.3	1057.0
40°	938.1	943.7	953.0	962.2	967.8	979.0	988.2	995.7	1008.7	1012.4	1012.4
42.5°	887.9	895.4	900.9	912.1	917.7	930.7	939.9	951.1	958.5	964.1	966.0
45°	839.6	845.2	856.4	863.8	869.4	882.4	891.6	900.9	910.2	913.9	917.7
47.5°	787.6	795.1	804.3	808.1	817.3	830.3	839.6	848.9	860.1	863.8	865.6
50°	737.5	743.0	748.6	756.0	763.5	776.5	787.6	796.9	806.2	809.9	811.8
52.5°	685.5	691.0	696.6	705.9	709.6	722.6	728.2	737.5	750.5	754.2	756.0
55°	631.6	639.0	646.4	652.0	655.7	666.9	674.3	685.5	692.9	696.6	700.3
57.5°	577.7	583.3	590.7	598.1	600.0	611.2	620.4	626.0	635.3	639.0	642.7
60°	525.7	531.3	536.8	538.7	544.3	555.4	564.7	568.4	577.7	581.4	583.3
62.5°	470.0	471.8	479.3	484.8	484.8	499.7	505.3	512.7	520.1	522.0	525.7
65°	418.0	421.7	421.7	425.4	431.0	440.3	444.0	453.3	458.8	460.7	462.5
67.5°	365.9	369.7	373.4	377.1	377.1	386.4	388.2	395.7	401.2	403.1	405.0
70°	315.8	315.8	321.4	325.1	323.2	330.7	334.4	338.1	345.5	347.4	349.2
72.5°	267.5	265.6	269.4	273.1	276.8	278.6	282.4	284.2	289.8	293.5	295.4
75°	219.2	221.1	221.1	222.9	221.1	222.9	228.5	234.1	237.8	239.6	243.3
77.5°	170.9	172.8	172.8	174.6	176.5	176.5	178.3	185.8	189.5	191.3	189.5
80°	126.3	128.2	128.2	130.0	131.9	133.7	133.7	137.5	143.0	144.9	144.9
82.5°	89.2	89.2	89.2	89.2	91.0	91.0	92.9	96.6	100.3	100.3	104.0
85°	53.9	53.9	52.0	53.9	52.0	53.9	55.7	59.4	61.3	61.3	63.2
87.5°	24.1	22.3	24.1	24.1	22.3	22.3	22.3	24.1	24.1	26.0	26.0
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°	1352.3	1352.3	1352.3	1352.3
2.5°	1352.3	1352.3	1352.3	1352.3
5°	1348.6	1348.6	1348.6	1348.6
7.5°	1343.0	1343.0	1343.0	1343.0
10°	1335.6	1337.5	1337.5	1337.5
12.5°	1326.3	1326.3	1328.2	1328.2
15°	1315.2	1315.2	1315.2	1317.0
17.5°	1298.5	1300.3	1300.3	1300.3
20°	1279.9	1281.7	1281.7	1279.9
22.5°	1255.7	1257.6	1259.5	1259.5
25°	1231.6	1235.3	1237.2	1237.2
27.5°	1203.7	1207.4	1209.3	1209.3
30°	1174.0	1177.7	1177.7	1177.7
32.5°	1138.7	1144.3	1146.1	1146.1
35°	1101.6	1109.0	1110.8	1110.8
37.5°	1062.5	1066.3	1071.8	1071.8
40°	1019.8	1023.5	1029.1	1029.1
42.5°	973.4	980.8	980.8	984.5
45°	923.2	930.7	932.5	936.2
47.5°	873.1	880.5	882.4	884.2
50°	819.2	824.8	830.3	830.3
52.5°	765.3	769.0	772.8	776.5
55°	707.7	713.3	715.2	718.9
57.5°	648.3	655.7	657.6	661.3
60°	590.7	596.3	600.0	601.9
62.5°	533.1	536.8	538.7	542.4
65°	470.0	475.5	475.5	479.3
67.5°	412.4	416.1	418.0	419.8
70°	351.1	358.5	360.4	364.1
72.5°	297.2	304.6	304.6	308.4
75°	248.9	250.8	250.8	254.5
77.5°	196.9	198.8	200.6	202.5
80°	148.6	150.5	150.5	154.2
82.5°	105.9	105.9	105.9	107.7
85°	65.0	63.2	61.3	63.2
87.5°	26.0	26.0	27.9	24.1
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P571941

CATALOG NUMBER: 22ID-35-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	16.40	18.03	16.77	18.34	18.66	15.29	16.91	15.65	17.23	17.54
	3H	18.15	19.62	18.53	19.95	20.31	16.90	18.37	17.28	18.70	19.06
	4H	18.81	20.20	19.21	20.54	20.92	17.50	18.88	17.89	19.23	19.60
	6H	19.30	20.59	19.71	20.95	21.34	17.93	19.21	18.34	19.58	19.97
	8H	19.46	20.69	19.89	21.08	21.47	18.06	19.29	18.49	19.68	20.07
	12H	19.56	20.73	19.99	21.12	21.54	18.14	19.32	18.57	19.70	20.13
4H	2H	16.88	18.27	17.28	18.62	18.99	15.98	17.37	16.38	17.72	18.09
	3H	18.86	20.02	19.27	20.42	20.82	17.81	18.97	18.22	19.37	19.77
	4H	19.66	20.71	20.09	21.12	21.55	18.52	19.57	18.95	19.98	20.41
	6H	20.29	21.21	20.74	21.65	22.10	19.06	19.98	19.51	20.42	20.87
	8H	20.50	21.36	20.96	21.80	22.27	19.23	20.09	19.69	20.53	21.00
	12H	20.65	21.42	21.13	21.89	22.36	19.35	20.12	19.83	20.59	21.06
8H	4H	19.89	20.75	20.35	21.19	21.66	18.86	19.72	19.32	20.16	20.63
	6H	20.64	21.35	21.13	21.84	22.31	19.52	20.23	20.01	20.72	21.19
	8H	20.92	21.56	21.43	22.07	22.55	19.75	20.39	20.26	20.90	21.38
	12H	21.14	21.71	21.65	22.20	22.76	19.93	20.49	20.43	20.98	21.55
12H	4H	19.91	20.68	20.39	21.16	21.63	18.91	19.68	19.39	20.15	20.62
	6H	20.67	21.31	21.18	21.82	22.30	19.58	20.22	20.09	20.73	21.21
	8H	21.01	21.57	21.51	22.06	22.62	19.87	20.44	20.38	20.93	21.49

END OF REPORT