

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: P571949

Luminaire Tested: 22ID-40-L835-SWR

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P571949
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-40-L835-SWR
Description: 4000 LUMEN, 2X2 INDEPTH TROFFER WITH 2IN REGRESSED SWEEP LENS AND 3500K, 80 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3987.0 lumens
Efficiency: N/A
Efficacy: 122.7 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

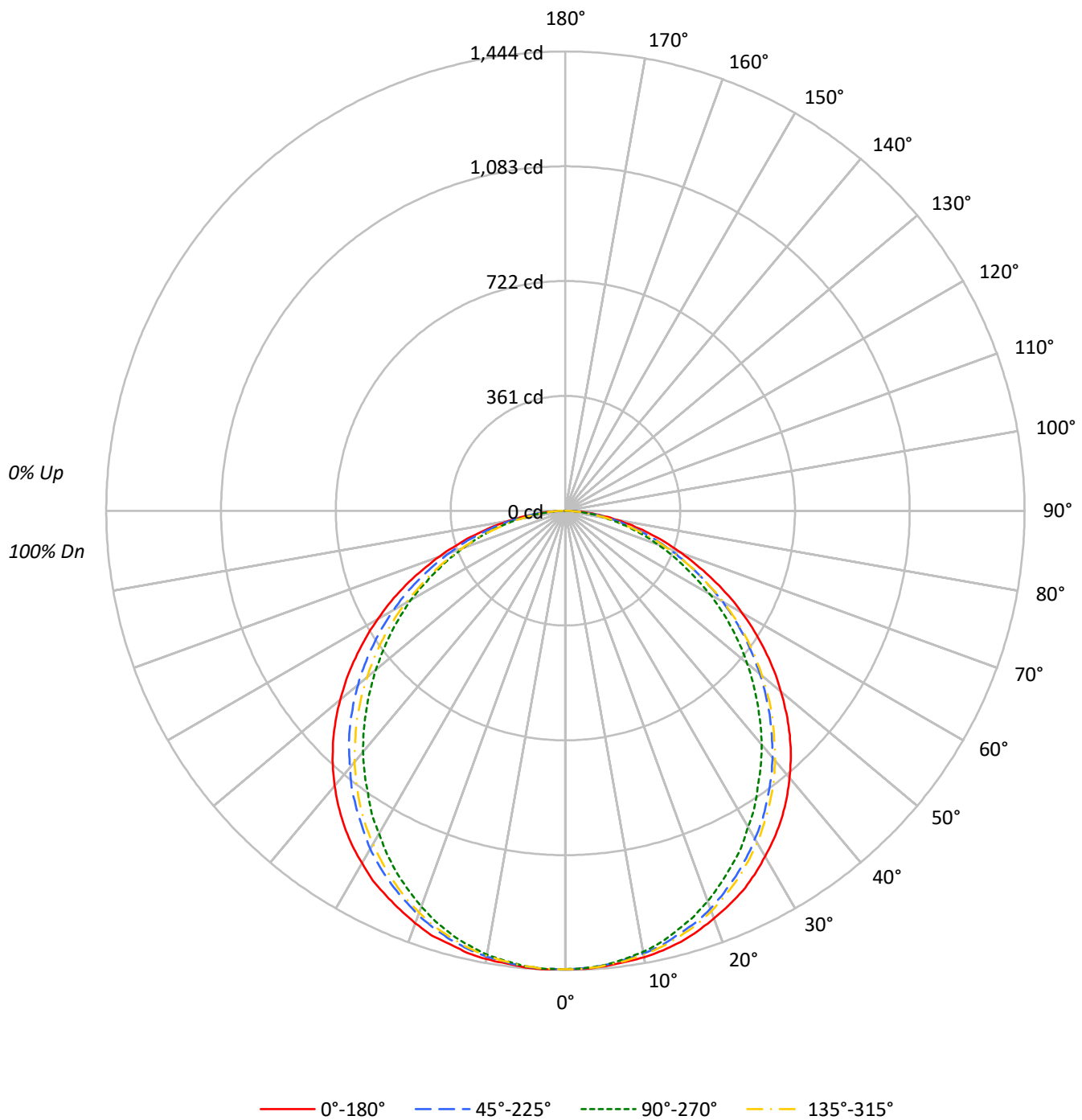
Input Watts (W): 32.5
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P571949

CATALOG NUMBER: 22ID-40-L835-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°	3879	3879	3879	3879
5°	3884	3873	3894	3884
10°	3896	3847	3912	3874
15°	3911	3801	3928	3845
20°	3907	3743	3953	3794
25°	3916	3663	3963	3728
30°	3901	3569	3975	3643
35°	3890	3467	3981	3558
40°	3854	3374	3965	3478
45°	3798	3248	3934	3369
50°	3706	3126	3872	3258
55°	3596	2982	3781	3140
60°	3453	2824	3666	3016
65°	3253	2623	3531	2837
70°	3054	2430	3319	2680
75°	2821	2203	3088	2491
80°	2548	1934	2731	2241
85°	2078	1590	2140	1896

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 3934 cd/sqm

TEST NUMBER: P571949

CATALOG NUMBER: 22ID-40-L835-SWR

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.5	3.4
10°-20°	391.8	9.8
20°-30°	591.4	14.8
30°-40°	706.1	17.7
40°-50°	720.5	18.1
50°-60°	635.4	15.9
60°-70°	469.6	11.8
70°-80°	264.8	6.6
80°-90°	70.9	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°	1119.8	28.1
0°-40°	1825.9	45.8
0°-60°	3181.8	79.8
0°-90°	3987.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3987.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1442	1442	1442	1442	1442	
5°	1438	1434	1442	1438	1438	137
15°	1404	1364	1410	1380	1404	396
25°	1319	1234	1335	1256	1319	607
35°	1184	1056	1212	1083	1184	740
45°	998	854	1034	885	998	769
55°	766	636	806	669	766	685
65°	511	412	554	446	511	507
75°	271	212	297	240	271	288
85°	67	52	69	61	67	79
90°	0	0	0	0	0	

TEST NUMBER: P571949

CATALOG NUMBER: 22ID-40-L835-SWR

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6
2.5°	1441.6	1441.6	1441.6	1441.6	1439.7	1437.7	1437.7	1439.7	1439.7	1437.7	1439.7
5°	1437.7	1437.7	1437.7	1435.7	1433.7	1433.7	1433.7	1433.7	1431.7	1433.7	1433.7
7.5°	1431.7	1431.7	1431.7	1429.8	1427.8	1427.8	1427.8	1425.8	1423.8	1425.8	1423.8
10°	1425.8	1423.8	1423.8	1423.8	1419.9	1417.9	1417.9	1417.9	1415.9	1415.9	1413.9
12.5°	1415.9	1413.9	1413.9	1411.9	1410.0	1408.0	1406.0	1404.0	1402.0	1400.1	1400.1
15°	1404.0	1404.0	1400.1	1398.1	1394.1	1392.1	1390.2	1388.2	1384.2	1382.2	1378.3
17.5°	1386.2	1386.2	1382.2	1380.3	1376.3	1372.3	1372.3	1368.4	1364.4	1360.5	1358.5
20°	1364.4	1366.4	1364.4	1360.5	1354.5	1352.5	1350.6	1346.6	1340.7	1336.7	1332.7
22.5°	1342.6	1344.6	1340.7	1334.7	1330.8	1328.8	1324.8	1318.9	1312.9	1307.0	1301.0
25°	1318.9	1316.9	1312.9	1309.0	1303.0	1301.0	1297.1	1291.1	1281.2	1275.3	1267.4
27.5°	1289.2	1289.2	1283.2	1279.3	1269.4	1269.4	1263.4	1255.5	1247.6	1237.7	1231.7
30°	1255.5	1255.5	1251.5	1245.6	1235.7	1233.7	1227.8	1221.8	1210.0	1200.1	1192.1
32.5°	1221.8	1219.9	1215.9	1210.0	1200.1	1196.1	1190.2	1182.2	1172.3	1158.5	1152.5
35°	1184.2	1182.2	1176.3	1168.4	1160.4	1156.5	1150.5	1140.6	1130.7	1116.9	1107.0
37.5°	1142.6	1140.6	1134.7	1126.8	1116.9	1112.9	1107.0	1097.1	1083.2	1073.3	1061.4
40°	1097.1	1095.1	1091.1	1083.2	1073.3	1069.4	1061.4	1051.5	1035.7	1023.8	1013.9
42.5°	1049.6	1047.6	1041.6	1031.7	1023.8	1019.8	1011.9	1002.0	988.2	974.3	960.4
45°	998.1	996.1	990.1	978.3	972.3	966.4	958.5	948.6	936.7	924.8	909.0
47.5°	942.6	940.6	936.7	926.8	914.9	912.9	905.0	895.1	881.2	865.4	853.5
50°	885.2	885.2	879.2	871.3	863.4	857.5	849.5	839.6	821.8	811.9	798.1
52.5°	827.8	825.8	821.8	811.9	806.0	800.0	790.1	784.2	766.4	758.4	742.6
55°	766.4	764.4	756.5	750.5	746.6	740.6	732.7	720.8	710.9	699.0	685.2
57.5°	705.0	703.0	697.1	693.1	685.2	679.2	671.3	663.4	649.5	641.6	627.8
60°	641.6	641.6	637.7	631.7	623.8	617.8	611.9	604.0	592.1	580.2	570.3
62.5°	578.2	578.2	572.3	566.4	562.4	556.5	552.5	542.6	532.7	524.8	508.9
65°	510.9	510.9	503.0	501.0	497.1	493.1	487.1	477.2	471.3	457.4	451.5
67.5°	447.5	449.5	443.6	443.6	437.6	433.7	427.7	419.8	413.9	402.0	396.1
70°	388.1	390.1	386.2	384.2	378.2	374.3	370.3	364.4	356.5	352.5	342.6
72.5°	328.7	330.7	326.7	326.7	320.8	318.8	314.9	310.9	303.0	299.0	289.1
75°	271.3	269.3	269.3	271.3	265.4	263.4	261.4	253.5	249.5	245.6	237.6
77.5°	215.9	215.9	217.8	215.9	211.9	209.9	205.9	200.0	198.0	196.0	188.1
80°	164.4	166.3	166.3	164.4	160.4	158.4	156.4	150.5	148.5	148.5	142.6
82.5°	114.9	114.9	112.9	114.9	110.9	108.9	110.9	105.0	103.0	103.0	99.0
85°	67.3	65.3	65.3	67.3	65.3	65.3	65.3	61.4	61.4	61.4	57.4
87.5°	25.7	25.7	27.7	27.7	25.7	25.7	25.7	25.7	23.8	23.8	21.8
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: P571949

CATALOG NUMBER: 22ID-40-L835-SWR

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6
2.5°	1437.7	1437.7	1437.7	1437.7	1439.7	1437.7	1439.7	1439.7	1441.6	1439.7	1441.6
5°	1433.7	1433.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1431.7	1433.7	1433.7
7.5°	1423.8	1423.8	1421.8	1421.8	1421.8	1421.8	1419.9	1419.9	1421.8	1421.8	1421.8
10°	1411.9	1410.0	1408.0	1408.0	1408.0	1408.0	1406.0	1408.0	1408.0	1408.0	1408.0
12.5°	1394.1	1394.1	1392.1	1390.2	1390.2	1390.2	1388.2	1390.2	1390.2	1390.2	1390.2
15°	1376.3	1374.3	1372.3	1368.4	1368.4	1366.4	1364.4	1366.4	1364.4	1364.4	1366.4
17.5°	1350.6	1350.6	1346.6	1344.6	1342.6	1340.7	1338.7	1338.7	1338.7	1338.7	1342.6
20°	1324.8	1322.8	1318.9	1310.9	1312.9	1310.9	1307.0	1309.0	1309.0	1307.0	1307.0
22.5°	1297.1	1289.2	1285.2	1277.3	1279.3	1275.3	1273.3	1275.3	1273.3	1271.3	1275.3
25°	1259.5	1255.5	1245.6	1245.6	1241.6	1239.7	1239.7	1237.7	1235.7	1233.7	1237.7
27.5°	1225.8	1217.9	1211.9	1204.0	1200.1	1200.1	1198.1	1196.1	1192.1	1196.1	1196.1
30°	1184.2	1176.3	1166.4	1162.4	1158.5	1158.5	1154.5	1152.5	1148.6	1148.6	1154.5
32.5°	1144.6	1132.7	1122.8	1116.9	1114.9	1112.9	1110.9	1103.0	1105.0	1107.0	1109.0
35°	1097.1	1087.2	1079.3	1073.3	1067.4	1065.4	1063.4	1057.5	1057.5	1055.5	1061.4
37.5°	1051.5	1039.6	1033.7	1023.8	1019.8	1015.9	1013.9	1009.9	1008.0	1009.9	1011.9
40°	1002.0	992.1	982.2	972.3	968.4	966.4	960.4	960.4	956.5	960.4	960.4
42.5°	950.5	940.6	928.8	920.8	916.9	912.9	909.0	907.0	907.0	907.0	909.0
45°	899.0	887.2	875.3	867.4	863.4	861.4	855.5	853.5	849.5	853.5	855.5
47.5°	843.6	833.7	821.8	815.9	809.9	808.0	802.0	798.1	796.1	800.0	800.0
50°	788.2	778.3	768.4	760.4	754.5	752.5	746.6	746.6	742.6	746.6	746.6
52.5°	732.7	722.8	712.9	703.0	699.0	697.1	691.1	691.1	691.1	691.1	691.1
55°	677.3	663.4	657.5	647.6	643.6	641.6	639.6	633.7	635.7	635.7	635.7
57.5°	619.8	609.9	598.0	594.1	588.1	586.2	586.2	578.2	576.3	580.2	580.2
60°	562.4	554.5	542.6	536.7	532.7	532.7	526.8	518.8	516.9	524.8	524.8
62.5°	503.0	491.1	485.2	479.2	475.3	473.3	471.3	465.4	467.3	465.4	465.4
65°	447.5	435.7	431.7	425.8	421.8	419.8	417.8	413.9	409.9	411.9	411.9
67.5°	392.1	382.2	376.3	372.3	368.3	368.3	364.4	360.4	362.4	360.4	360.4
70°	338.6	330.7	322.8	320.8	316.8	316.8	314.9	312.9	310.9	308.9	308.9
72.5°	287.1	279.2	273.3	269.3	267.3	267.3	265.4	259.4	261.4	259.4	259.4
75°	233.7	227.7	225.8	221.8	219.8	219.8	217.8	213.9	215.9	211.9	207.9
77.5°	186.1	180.2	178.2	176.2	178.2	176.2	170.3	172.3	170.3	166.3	166.3
80°	142.6	136.6	136.6	132.7	130.7	130.7	128.7	128.7	126.7	124.8	124.8
82.5°	97.0	95.1	93.1	91.1	89.1	93.1	89.1	87.1	87.1	87.1	85.2
85°	55.4	55.4	53.5	53.5	51.5	53.5	51.5	49.5	51.5	51.5	47.5
87.5°	21.8	23.8	19.8	19.8	19.8	19.8	17.8	19.8	19.8	19.8	17.8
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: P571949

CATALOG NUMBER: 22ID-40-L835-SWR

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6
2.5°	1441.6	1439.7	1439.7	1439.7	1439.7	1437.7	1439.7	1439.7	1441.6	1439.7	1439.7
5°	1433.7	1431.7	1433.7	1431.7	1431.7	1433.7	1433.7	1435.7	1435.7	1437.7	1437.7
7.5°	1421.8	1421.8	1421.8	1421.8	1421.8	1423.8	1423.8	1425.8	1427.8	1427.8	1429.8
10°	1408.0	1408.0	1410.0	1408.0	1410.0	1411.9	1413.9	1415.9	1417.9	1419.9	1419.9
12.5°	1390.2	1390.2	1390.2	1394.1	1394.1	1396.1	1398.1	1402.0	1404.0	1408.0	1408.0
15°	1366.4	1366.4	1370.4	1370.4	1372.3	1376.3	1380.3	1382.2	1386.2	1390.2	1392.1
17.5°	1340.7	1340.7	1344.6	1344.6	1346.6	1352.5	1356.5	1358.5	1366.4	1370.4	1374.3
20°	1310.9	1310.9	1316.9	1314.9	1318.9	1324.8	1328.8	1334.7	1340.7	1346.6	1350.6
22.5°	1275.3	1277.3	1283.2	1283.2	1285.2	1293.1	1299.1	1305.0	1310.9	1318.9	1324.8
25°	1237.7	1239.7	1245.6	1247.6	1249.6	1257.5	1265.4	1269.4	1279.3	1289.2	1293.1
27.5°	1196.1	1200.1	1204.0	1206.0	1210.0	1219.9	1227.8	1235.7	1243.6	1253.5	1261.4
30°	1154.5	1158.5	1162.4	1164.4	1168.4	1178.3	1186.2	1196.1	1206.0	1215.9	1223.8
32.5°	1107.0	1112.9	1116.9	1120.8	1122.8	1134.7	1144.6	1154.5	1164.4	1176.3	1186.2
35°	1061.4	1067.4	1071.3	1073.3	1077.3	1089.2	1097.1	1107.0	1120.8	1132.7	1142.6
37.5°	1011.9	1015.9	1023.8	1023.8	1027.8	1041.6	1051.5	1061.4	1075.3	1087.2	1099.1
40°	962.4	964.4	972.3	974.3	978.3	992.1	1002.0	1015.9	1025.8	1039.6	1051.5
42.5°	909.0	914.9	922.8	926.8	930.7	938.7	946.6	962.4	972.3	988.2	1000.0
45°	855.5	861.4	865.4	867.4	877.3	885.2	893.1	909.0	920.8	934.7	948.6
47.5°	802.0	806.0	811.9	819.8	823.8	831.7	837.7	853.5	865.4	881.2	893.1
50°	746.6	752.5	756.5	758.4	766.4	776.3	784.2	798.1	808.0	823.8	837.7
52.5°	691.1	699.0	699.0	707.0	710.9	714.9	726.8	740.6	750.5	764.4	778.3
55°	637.7	641.6	647.6	649.5	655.5	659.4	667.4	681.2	693.1	707.0	720.8
57.5°	578.2	582.2	586.2	594.1	598.0	606.0	613.9	623.8	633.7	647.6	657.5
60°	520.8	526.8	530.7	536.7	536.7	546.6	556.5	566.4	574.3	588.1	598.0
62.5°	469.3	469.3	469.3	477.2	475.3	483.2	491.1	503.0	510.9	528.7	540.6
65°	413.9	415.9	415.9	421.8	419.8	427.7	433.7	445.6	453.5	463.4	475.3
67.5°	360.4	360.4	362.4	368.3	366.4	372.3	382.2	388.1	394.1	406.0	415.9
70°	305.0	306.9	308.9	314.9	312.9	320.8	326.7	330.7	338.6	346.5	354.5
72.5°	257.4	257.4	263.4	263.4	261.4	267.3	273.3	277.2	281.2	291.1	301.0
75°	211.9	209.9	213.9	213.9	211.9	213.9	217.8	223.8	227.7	235.7	243.6
77.5°	166.3	164.4	168.3	168.3	168.3	166.3	172.3	174.3	176.2	180.2	188.1
80°	122.8	120.8	124.8	124.8	120.8	122.8	126.7	128.7	128.7	132.7	138.6
82.5°	85.2	83.2	85.2	85.2	85.2	85.2	87.1	85.2	87.1	87.1	93.1
85°	51.5	49.5	51.5	49.5	49.5	47.5	51.5	49.5	49.5	51.5	51.5
87.5°	17.8	17.8	19.8	19.8	17.8	19.8	17.8	17.8	17.8	19.8	17.8
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: P571949

CATALOG NUMBER: 22ID-40-L835-SWR

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6
2.5°	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1443.6	1443.6	1441.6	1443.6	1441.6
5°	1437.7	1437.7	1439.7	1439.7	1439.7	1439.7	1439.7	1441.6	1441.6	1441.6	1439.7
7.5°	1431.7	1431.7	1431.7	1431.7	1433.7	1435.7	1435.7	1435.7	1437.7	1435.7	1435.7
10°	1421.8	1425.8	1425.8	1427.8	1427.8	1429.8	1431.7	1431.7	1431.7	1431.7	1431.7
12.5°	1411.9	1413.9	1415.9	1417.9	1419.9	1419.9	1423.8	1423.8	1423.8	1423.8	1421.8
15°	1396.1	1400.1	1402.0	1404.0	1408.0	1408.0	1411.9	1410.0	1413.9	1411.9	1410.0
17.5°	1378.3	1382.2	1386.2	1386.2	1392.1	1394.1	1398.1	1400.1	1400.1	1398.1	1394.1
20°	1356.5	1362.4	1364.4	1368.4	1372.3	1376.3	1378.3	1380.3	1382.2	1380.3	1378.3
22.5°	1330.8	1338.7	1340.7	1344.6	1350.6	1354.5	1356.5	1358.5	1360.5	1360.5	1356.5
25°	1303.0	1312.9	1312.9	1318.9	1324.8	1330.8	1334.7	1334.7	1338.7	1334.7	1334.7
27.5°	1269.4	1281.2	1287.2	1289.2	1297.1	1303.0	1307.0	1310.9	1310.9	1307.0	1307.0
30°	1235.7	1247.6	1253.5	1255.5	1265.4	1271.3	1275.3	1279.3	1279.3	1279.3	1275.3
32.5°	1198.1	1211.9	1217.9	1219.9	1231.7	1237.7	1243.6	1247.6	1247.6	1245.6	1239.7
35°	1158.5	1168.4	1178.3	1182.2	1192.1	1198.1	1208.0	1211.9	1210.0	1210.0	1204.0
37.5°	1112.9	1128.8	1134.7	1138.7	1150.5	1158.5	1168.4	1172.3	1172.3	1170.3	1166.4
40°	1065.4	1083.2	1089.2	1095.1	1107.0	1116.9	1122.8	1128.8	1128.8	1128.8	1124.8
42.5°	1017.9	1031.7	1039.6	1045.6	1059.5	1065.4	1075.3	1083.2	1083.2	1081.2	1075.3
45°	964.4	980.2	988.2	994.1	1008.0	1019.8	1025.8	1033.7	1031.7	1031.7	1023.8
47.5°	910.9	926.8	934.7	940.6	954.5	968.4	972.3	980.2	980.2	980.2	972.3
50°	855.5	871.3	877.3	883.2	899.0	907.0	916.9	924.8	924.8	926.8	918.9
52.5°	798.1	809.9	819.8	823.8	839.6	849.5	857.5	867.4	867.4	863.4	863.4
55°	736.7	750.5	760.4	764.4	776.3	792.1	798.1	806.0	806.0	806.0	802.0
57.5°	675.3	691.1	699.0	703.0	716.9	728.7	736.7	744.6	746.6	746.6	738.6
60°	611.9	627.8	635.7	639.6	655.5	665.4	673.3	681.2	683.2	685.2	677.3
62.5°	552.5	566.4	574.3	578.2	590.1	598.0	607.9	617.8	619.8	619.8	615.9
65°	487.1	501.0	507.0	510.9	520.8	534.7	546.6	554.5	556.5	554.5	554.5
67.5°	425.8	437.6	445.6	447.5	457.4	471.3	477.2	485.2	487.1	487.1	485.2
70°	364.4	378.2	384.2	388.1	396.1	407.9	413.9	421.8	423.8	425.8	421.8
72.5°	306.9	316.8	322.8	326.7	336.6	346.5	350.5	358.4	362.4	362.4	358.4
75°	249.5	259.4	263.4	267.3	275.3	285.2	289.1	297.0	301.0	299.0	299.0
77.5°	194.1	202.0	205.9	207.9	213.9	225.8	227.7	235.7	235.7	237.6	237.6
80°	142.6	148.5	152.5	154.5	158.4	166.3	170.3	176.2	180.2	178.2	178.2
82.5°	95.1	99.0	103.0	106.9	106.9	114.9	114.9	120.8	120.8	124.8	122.8
85°	53.5	55.4	57.4	59.4	59.4	65.3	65.3	69.3	73.3	69.3	69.3
87.5°	17.8	19.8	19.8	21.8	19.8	23.8	21.8	25.7	27.7	27.7	25.7
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: P571949

CATALOG NUMBER: 22ID-40-L835-SWR

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6
2.5°	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6
5°	1439.7	1439.7	1437.7	1439.7	1439.7	1439.7	1439.7	1437.7	1437.7	1437.7	1437.7
7.5°	1435.7	1433.7	1433.7	1433.7	1431.7	1431.7	1431.7	1431.7	1429.8	1429.8	1429.8
10°	1429.8	1427.8	1427.8	1427.8	1425.8	1425.8	1423.8	1421.8	1421.8	1419.9	1417.9
12.5°	1421.8	1419.9	1417.9	1417.9	1415.9	1413.9	1411.9	1410.0	1408.0	1404.0	1404.0
15°	1408.0	1408.0	1406.0	1404.0	1400.1	1400.1	1396.1	1394.1	1390.2	1386.2	1386.2
17.5°	1394.1	1392.1	1390.2	1386.2	1382.2	1380.3	1376.3	1372.3	1368.4	1364.4	1362.4
20°	1376.3	1370.4	1372.3	1366.4	1362.4	1358.5	1352.5	1348.6	1342.6	1338.7	1334.7
22.5°	1352.5	1350.6	1348.6	1342.6	1336.7	1334.7	1324.8	1318.9	1312.9	1307.0	1303.0
25°	1326.8	1324.8	1322.8	1316.9	1309.0	1305.0	1295.1	1289.2	1279.3	1275.3	1271.3
27.5°	1297.1	1297.1	1293.1	1285.2	1279.3	1269.4	1263.4	1251.5	1243.6	1237.7	1233.7
30°	1265.4	1265.4	1261.4	1251.5	1243.6	1233.7	1227.8	1215.9	1206.0	1200.1	1192.1
32.5°	1233.7	1231.7	1227.8	1217.9	1208.0	1198.1	1186.2	1176.3	1164.4	1158.5	1150.5
35°	1196.1	1194.1	1190.2	1178.3	1170.3	1158.5	1144.6	1132.7	1120.8	1114.9	1103.0
37.5°	1156.5	1152.5	1148.6	1134.7	1124.8	1112.9	1103.0	1087.2	1075.3	1067.4	1061.4
40°	1112.9	1110.9	1105.0	1093.1	1079.3	1067.4	1053.5	1041.6	1029.7	1019.8	1011.9
42.5°	1069.4	1061.4	1057.5	1045.6	1035.7	1017.9	1008.0	992.1	980.2	972.3	960.4
45°	1019.8	1013.9	1008.0	996.1	982.2	968.4	958.5	940.6	928.8	918.9	909.0
47.5°	964.4	962.4	956.5	942.6	930.7	916.9	905.0	887.2	875.3	867.4	857.5
50°	909.0	907.0	903.0	889.1	873.3	861.4	851.5	833.7	821.8	809.9	804.0
52.5°	857.5	849.5	845.6	833.7	817.9	804.0	796.1	778.3	766.4	754.5	746.6
55°	798.1	792.1	788.2	778.3	764.4	746.6	738.6	722.8	712.9	705.0	693.1
57.5°	738.6	730.7	726.8	714.9	705.0	691.1	681.2	665.4	655.5	647.6	639.6
60°	671.3	671.3	667.4	655.5	645.6	631.7	623.8	607.9	598.0	592.1	582.2
62.5°	615.9	607.9	606.0	592.1	586.2	572.3	566.4	552.5	546.6	536.7	526.8
65°	546.6	546.6	544.6	536.7	528.7	510.9	503.0	491.1	485.2	477.2	469.3
67.5°	485.2	479.2	479.2	471.3	461.4	451.5	445.6	433.7	429.7	419.8	413.9
70°	423.8	417.8	417.8	407.9	402.0	392.1	388.1	378.2	370.3	366.4	360.4
72.5°	362.4	358.4	356.5	348.5	344.6	334.7	332.7	322.8	314.9	312.9	306.9
75°	301.0	297.0	291.1	293.1	285.2	277.2	275.3	269.3	265.4	259.4	253.5
77.5°	239.6	235.7	235.7	231.7	227.7	221.8	219.8	215.9	209.9	205.9	202.0
80°	182.2	178.2	178.2	176.2	170.3	166.3	166.3	160.4	160.4	156.4	154.5
82.5°	124.8	122.8	120.8	122.8	118.8	114.9	116.8	114.9	112.9	108.9	106.9
85°	73.3	71.3	69.3	73.3	69.3	71.3	69.3	67.3	67.3	65.3	63.4
87.5°	27.7	27.7	25.7	27.7	27.7	29.7	27.7	27.7	27.7	27.7	27.7
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: P571949

CATALOG NUMBER: 22ID-40-L835-SWR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6
2.5°	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6
5°	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1435.7	1437.7
7.5°	1429.8	1427.8	1429.8	1427.8	1427.8	1427.8	1427.8	1427.8	1427.8	1427.8	1427.8
10°	1417.9	1417.9	1417.9	1417.9	1417.9	1417.9	1417.9	1417.9	1417.9	1415.9	1415.9
12.5°	1404.0	1404.0	1402.0	1402.0	1402.0	1400.1	1400.1	1402.0	1402.0	1400.1	1402.0
15°	1384.2	1386.2	1382.2	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1380.3	1382.2
17.5°	1362.4	1360.5	1358.5	1358.5	1356.5	1354.5	1354.5	1356.5	1356.5	1358.5	1358.5
20°	1334.7	1334.7	1330.8	1328.8	1326.8	1324.8	1324.8	1326.8	1326.8	1326.8	1330.8
22.5°	1303.0	1301.0	1297.1	1295.1	1295.1	1291.1	1293.1	1295.1	1295.1	1295.1	1297.1
25°	1267.4	1265.4	1263.4	1261.4	1257.5	1255.5	1255.5	1259.5	1259.5	1263.4	1265.4
27.5°	1229.8	1227.8	1223.8	1219.9	1217.9	1215.9	1215.9	1219.9	1219.9	1223.8	1225.8
30°	1190.2	1188.2	1182.2	1180.2	1174.3	1172.3	1174.3	1178.3	1180.2	1182.2	1184.2
32.5°	1148.6	1144.6	1138.7	1136.7	1130.7	1132.7	1128.8	1134.7	1136.7	1138.7	1140.6
35°	1103.0	1099.1	1093.1	1087.2	1085.2	1083.2	1083.2	1087.2	1087.2	1093.1	1095.1
37.5°	1053.5	1051.5	1045.6	1041.6	1037.7	1037.7	1033.7	1039.6	1041.6	1045.6	1045.6
40°	1008.0	1006.0	996.1	992.1	988.2	990.1	984.2	990.1	992.1	996.1	998.1
42.5°	954.5	952.5	944.6	940.6	936.7	938.7	932.7	938.7	936.7	942.6	944.6
45°	903.0	901.0	895.1	887.2	883.2	885.2	885.2	885.2	883.2	889.1	891.1
47.5°	851.5	847.6	841.6	833.7	829.7	831.7	831.7	831.7	829.7	837.7	837.7
50°	798.1	794.1	788.2	780.2	778.3	778.3	778.3	778.3	778.3	782.2	784.2
52.5°	742.6	740.6	734.7	726.8	722.8	722.8	722.8	718.8	722.8	724.8	726.8
55°	687.2	685.2	675.3	671.3	667.4	669.3	667.4	665.4	665.4	669.3	671.3
57.5°	631.7	629.7	623.8	621.8	611.9	613.9	611.9	611.9	613.9	613.9	615.9
60°	576.3	574.3	568.3	566.4	558.4	560.4	552.5	556.5	558.4	558.4	558.4
62.5°	516.9	516.9	507.0	503.0	499.0	501.0	495.1	495.1	495.1	499.0	499.0
65°	463.4	461.4	453.5	449.5	445.6	445.6	441.6	441.6	439.6	443.6	443.6
67.5°	407.9	407.9	400.0	396.1	392.1	394.1	388.1	388.1	390.1	390.1	390.1
70°	354.5	354.5	348.5	346.5	340.6	340.6	334.7	336.6	336.6	336.6	336.6
72.5°	303.0	303.0	297.0	295.1	289.1	289.1	283.2	285.2	285.2	283.2	283.2
75°	251.5	253.5	243.6	241.6	237.6	239.6	235.7	233.7	235.7	231.7	231.7
77.5°	200.0	200.0	198.0	196.0	190.1	190.1	188.1	184.2	186.1	182.2	182.2
80°	150.5	152.5	146.5	148.5	142.6	144.6	142.6	138.6	138.6	136.6	134.7
82.5°	105.0	105.0	103.0	105.0	103.0	101.0	99.0	97.0	97.0	93.1	93.1
85°	63.4	65.3	61.4	63.4	63.4	61.4	57.4	57.4	57.4	55.4	55.4
87.5°	25.7	29.7	27.7	27.7	27.7	27.7	25.7	27.7	25.7	23.8	23.8
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: P571949

CATALOG NUMBER: 22ID-40-L835-SWR

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6	1441.6
2.5°	1439.7	1441.6	1441.6	1441.6	1441.6	1439.7	1439.7	1439.7	1439.7	1439.7	1441.6
5°	1435.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7
7.5°	1427.8	1427.8	1429.8	1429.8	1429.8	1429.8	1431.7	1429.8	1431.7	1429.8	1431.7
10°	1415.9	1417.9	1419.9	1419.9	1421.8	1419.9	1421.8	1421.8	1423.8	1423.8	1423.8
12.5°	1402.0	1404.0	1404.0	1408.0	1408.0	1408.0	1410.0	1410.0	1411.9	1413.9	1413.9
15°	1382.2	1384.2	1386.2	1386.2	1390.2	1394.1	1394.1	1396.1	1398.1	1400.1	1400.1
17.5°	1358.5	1360.5	1362.4	1366.4	1370.4	1374.3	1376.3	1376.3	1380.3	1382.2	1382.2
20°	1330.8	1334.7	1338.7	1342.6	1344.6	1350.6	1352.5	1354.5	1358.5	1362.4	1362.4
22.5°	1301.0	1303.0	1309.0	1312.9	1316.9	1322.8	1324.8	1330.8	1334.7	1336.7	1338.7
25°	1265.4	1269.4	1275.3	1279.3	1283.2	1291.1	1297.1	1301.0	1307.0	1310.9	1310.9
27.5°	1225.8	1231.7	1237.7	1241.6	1247.6	1257.5	1263.4	1267.4	1275.3	1279.3	1281.2
30°	1186.2	1190.2	1198.1	1204.0	1210.0	1219.9	1227.8	1233.7	1241.6	1245.6	1247.6
32.5°	1142.6	1148.6	1156.5	1162.4	1170.3	1180.2	1188.2	1194.1	1206.0	1208.0	1210.0
35°	1097.1	1103.0	1109.0	1118.9	1126.8	1136.7	1146.6	1154.5	1160.4	1168.4	1170.3
37.5°	1049.6	1055.5	1063.4	1071.3	1079.3	1091.1	1101.0	1107.0	1116.9	1122.8	1126.8
40°	1000.0	1006.0	1015.9	1025.8	1031.7	1043.6	1053.5	1061.4	1075.3	1079.3	1079.3
42.5°	946.6	954.5	960.4	972.3	978.3	992.1	1002.0	1013.9	1021.8	1027.8	1029.7
45°	895.1	901.0	912.9	920.8	926.8	940.6	950.5	960.4	970.3	974.3	978.3
47.5°	839.6	847.6	857.5	861.4	871.3	885.2	895.1	905.0	916.9	920.8	922.8
50°	786.2	792.1	798.1	806.0	813.9	827.8	839.6	849.5	859.4	863.4	865.4
52.5°	730.7	736.7	742.6	752.5	756.5	770.3	776.3	786.2	800.0	804.0	806.0
55°	673.3	681.2	689.1	695.1	699.0	710.9	718.8	730.7	738.6	742.6	746.6
57.5°	615.9	621.8	629.7	637.7	639.6	651.5	661.4	667.4	677.3	681.2	685.2
60°	560.4	566.4	572.3	574.3	580.2	592.1	602.0	606.0	615.9	619.8	621.8
62.5°	501.0	503.0	510.9	516.9	516.9	532.7	538.6	546.6	554.5	556.5	560.4
65°	445.6	449.5	449.5	453.5	459.4	469.3	473.3	483.2	489.1	491.1	493.1
67.5°	390.1	394.1	398.0	402.0	402.0	411.9	413.9	421.8	427.7	429.7	431.7
70°	336.6	336.6	342.6	346.5	344.6	352.5	356.5	360.4	368.3	370.3	372.3
72.5°	285.2	283.2	287.1	291.1	295.1	297.0	301.0	303.0	308.9	312.9	314.9
75°	233.7	235.7	235.7	237.6	235.7	237.6	243.6	249.5	253.5	255.5	259.4
77.5°	182.2	184.2	184.2	186.1	188.1	188.1	190.1	198.0	202.0	204.0	202.0
80°	134.7	136.6	136.6	138.6	140.6	142.6	142.6	146.5	152.5	154.5	154.5
82.5°	95.1	95.1	95.1	95.1	97.0	97.0	99.0	103.0	106.9	106.9	110.9
85°	57.4	57.4	55.4	57.4	55.4	57.4	59.4	63.4	65.3	65.3	67.3
87.5°	25.7	23.8	25.7	25.7	23.8	23.8	23.8	25.7	25.7	27.7	27.7
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: P571949

CATALOG NUMBER: 22ID-40-L835-SWR

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1441.6	1441.6	1441.6	1441.6
2.5°	1441.6	1441.6	1441.6	1441.6
5°	1437.7	1437.7	1437.7	1437.7
7.5°	1431.7	1431.7	1431.7	1431.7
10°	1423.8	1425.8	1425.8	1425.8
12.5°	1413.9	1413.9	1415.9	1415.9
15°	1402.0	1402.0	1402.0	1404.0
17.5°	1384.2	1386.2	1386.2	1386.2
20°	1364.4	1366.4	1366.4	1364.4
22.5°	1338.7	1340.7	1342.6	1342.6
25°	1312.9	1316.9	1318.9	1318.9
27.5°	1283.2	1287.2	1289.2	1289.2
30°	1251.5	1255.5	1255.5	1255.5
32.5°	1213.9	1219.9	1221.8	1221.8
35°	1174.3	1182.2	1184.2	1184.2
37.5°	1132.7	1136.7	1142.6	1142.6
40°	1087.2	1091.1	1097.1	1097.1
42.5°	1037.7	1045.6	1045.6	1049.6
45°	984.2	992.1	994.1	998.1
47.5°	930.7	938.7	940.6	942.6
50°	873.3	879.2	885.2	885.2
52.5°	815.9	819.8	823.8	827.8
55°	754.5	760.4	762.4	766.4
57.5°	691.1	699.0	701.0	705.0
60°	629.7	635.7	639.6	641.6
62.5°	568.3	572.3	574.3	578.2
65°	501.0	507.0	507.0	510.9
67.5°	439.6	443.6	445.6	447.5
70°	374.3	382.2	384.2	388.1
72.5°	316.8	324.8	324.8	328.7
75°	265.4	267.3	267.3	271.3
77.5°	209.9	211.9	213.9	215.9
80°	158.4	160.4	160.4	164.4
82.5°	112.9	112.9	112.9	114.9
85°	69.3	67.3	65.3	67.3
87.5°	27.7	27.7	29.7	25.7
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P571949

CATALOG NUMBER: 22ID-40-L835-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	16.62	18.25	16.99	18.56	18.88	15.51	17.13	15.87	17.45	17.76
	3H	18.38	19.85	18.75	20.17	20.53	17.12	18.60	17.50	18.92	19.28
	4H	19.03	20.42	19.43	20.77	21.14	17.72	19.10	18.12	19.45	19.83
	6H	19.52	20.81	19.94	21.17	21.56	18.15	19.43	18.56	19.80	20.19
	8H	19.68	20.91	20.11	21.30	21.70	18.28	19.51	18.71	19.90	20.30
	12H	19.78	20.96	20.21	21.34	21.77	18.36	19.54	18.79	19.92	20.35
4H	2H	17.11	18.49	17.51	18.84	19.22	16.21	17.59	16.60	17.94	18.31
	3H	19.09	20.25	19.49	20.64	21.04	18.03	19.19	18.44	19.59	19.99
	4H	19.88	20.93	20.31	21.34	21.78	18.74	19.79	19.17	20.20	20.64
	6H	20.51	21.43	20.96	21.87	22.32	19.28	20.20	19.74	20.64	21.10
	8H	20.72	21.58	21.18	22.02	22.49	19.45	20.31	19.91	20.75	21.22
	12H	20.87	21.64	21.35	22.11	22.58	19.57	20.34	20.05	20.82	21.29
8H	4H	20.11	20.97	20.57	21.41	21.88	19.09	19.94	19.55	20.39	20.85
	6H	20.86	21.57	21.35	22.06	22.53	19.74	20.45	20.23	20.94	21.41
	8H	21.14	21.78	21.65	22.29	22.78	19.97	20.61	20.48	21.12	21.60
	12H	21.37	21.93	21.87	22.42	22.98	20.15	20.72	20.66	21.21	21.77
12H	4H	20.13	20.90	20.61	21.38	21.85	19.13	19.90	19.61	20.38	20.84
	6H	20.89	21.53	21.40	22.04	22.52	19.80	20.44	20.31	20.95	21.44
	8H	21.23	21.80	21.74	22.29	22.85	20.09	20.66	20.60	21.15	21.71

END OF REPORT