

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: P571929

Luminaire Tested: 22ID-35-L830-SWR

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P571929
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-L830-SWR
Description: 3500 LUMEN, 2X2 INDEPTH TROFFER WITH 2IN REGRESSED SWEEP LENS AND 3000K, 80 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3465.0 lumens
Efficiency: N/A
Efficacy: 120.3 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

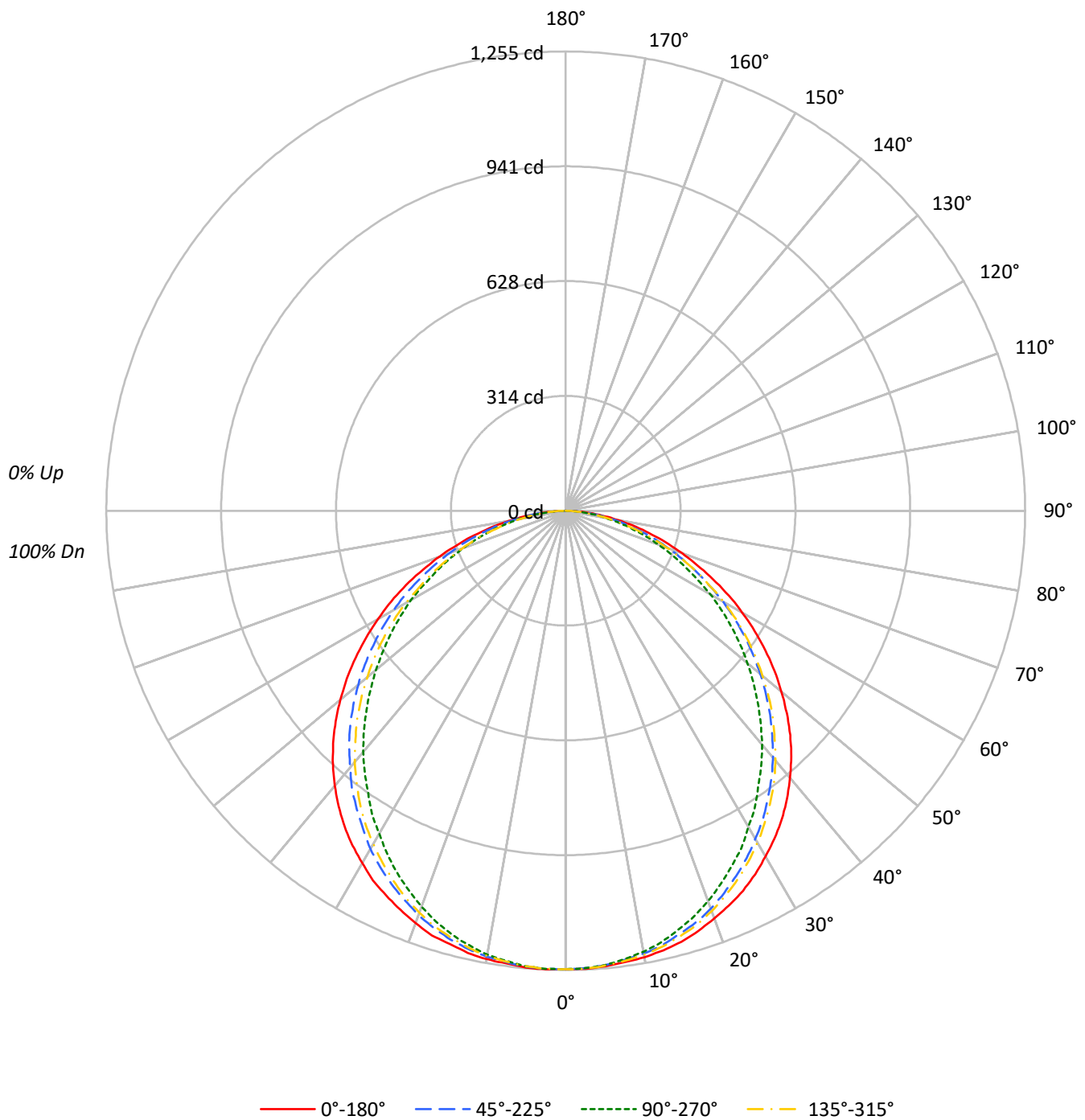
Input Watts (W): 28.8
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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CATALOG NUMBER: 22ID-35-L830-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		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	109	104	100	96	106	102	98	95	98	94	92		94	91	89		84
2	99	91	84	78	96	89	83	77	85	80	76		82	78	74		70
3	90	80	72	65	88	78	71	65	75	69	64		73	67	62		59
4	83	71	62	55	80	69	61	55	67	60	54		65	58	53		51
5	76	63	54	48	74	62	54	47	60	53	47		58	52	46		44
6	70	57	48	42	68	56	48	42	54	47	41		53	46	41		38
7	65	52	43	37	64	51	43	37	49	42	36		48	41	36		34
8	61	47	39	33	59	47	38	33	45	38	33		44	37	32		30
9	57	43	35	30	55	43	35	30	42	34	29		41	34	29		27
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		25

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3372	3372	3372	3372
5°	3375	3366	3384	3375
10°	3386	3343	3400	3367
15°	3399	3304	3414	3342
20°	3396	3253	3435	3297
25°	3403	3184	3444	3240
30°	3390	3102	3455	3166
35°	3381	3013	3460	3093
40°	3349	2932	3446	3023
45°	3301	2823	3419	2928
50°	3221	2716	3365	2832
55°	3125	2592	3286	2729
60°	3001	2455	3186	2621
65°	2827	2280	3068	2465
70°	2654	2113	2884	2329
75°	2452	1914	2685	2165
80°	2213	1680	2374	1946
85°	1806	1380	1859	1649

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 3419 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.7	3.4
10°-20°	340.5	9.8
20°-30°	514.0	14.8
30°-40°	613.7	17.7
40°-50°	626.2	18.1
50°-60°	552.2	15.9
60°-70°	408.1	11.8
70°-80°	230.1	6.6
80°-90°	61.6	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°	973.1	28.1
0°-40°	1586.8	45.8
0°-60°	2765.2	79.8
0°-90°	3465.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3465.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1253	1253	1253	1253	1253	
5°	1250	1246	1253	1250	1250	119
15°	1220	1186	1225	1200	1220	344
25°	1146	1072	1160	1091	1146	528
35°	1029	917	1053	941	1029	643
45°	867	742	898	769	867	668
55°	666	552	700	582	666	595
65°	444	358	482	387	444	441
75°	236	184	258	208	236	250
85°	58	45	60	53	58	69
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°	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9
2.5°	1252.9	1252.9	1252.9	1252.9	1251.2	1249.5	1249.5	1251.2	1251.2	1249.5	1251.2
5°	1249.5	1249.5	1249.5	1247.7	1246.0	1246.0	1246.0	1246.0	1244.3	1246.0	1246.0
7.5°	1244.3	1244.3	1244.3	1242.6	1240.9	1240.9	1240.9	1239.1	1237.4	1239.1	1237.4
10°	1239.1	1237.4	1237.4	1237.4	1234.0	1232.2	1232.2	1232.2	1230.5	1230.5	1228.8
12.5°	1230.5	1228.8	1228.8	1227.1	1225.4	1223.6	1221.9	1220.2	1218.5	1216.8	1216.8
15°	1220.2	1220.2	1216.8	1215.0	1211.6	1209.9	1208.2	1206.4	1203.0	1201.3	1197.8
17.5°	1204.7	1204.7	1201.3	1199.5	1196.1	1192.7	1192.7	1189.2	1185.8	1182.3	1180.6
20°	1185.8	1187.5	1185.8	1182.3	1177.2	1175.5	1173.7	1170.3	1165.1	1161.7	1158.2
22.5°	1166.8	1168.6	1165.1	1160.0	1156.5	1154.8	1151.4	1146.2	1141.0	1135.9	1130.7
25°	1146.2	1144.5	1141.0	1137.6	1132.4	1130.7	1127.3	1122.1	1113.5	1108.3	1101.4
27.5°	1120.4	1120.4	1115.2	1111.8	1103.2	1103.2	1098.0	1091.1	1084.2	1075.6	1070.5
30°	1091.1	1091.1	1087.7	1082.5	1073.9	1072.2	1067.0	1061.9	1051.5	1042.9	1036.1
32.5°	1061.9	1060.1	1056.7	1051.5	1042.9	1039.5	1034.3	1027.4	1018.8	1006.8	1001.6
35°	1029.2	1027.4	1022.3	1015.4	1008.5	1005.1	999.9	991.3	982.7	970.7	962.0
37.5°	993.0	991.3	986.1	979.3	970.7	967.2	962.0	953.4	941.4	932.8	922.5
40°	953.4	951.7	948.3	941.4	932.8	929.3	922.5	913.9	900.1	889.8	881.2
42.5°	912.1	910.4	905.3	896.6	889.8	886.3	879.4	870.8	858.8	846.7	834.7
45°	867.4	865.7	860.5	850.2	845.0	839.9	833.0	824.4	814.0	803.7	789.9
47.5°	819.2	817.5	814.0	805.4	795.1	793.4	786.5	777.9	765.9	752.1	741.8
50°	769.3	769.3	764.1	757.2	750.4	745.2	738.3	729.7	714.2	705.6	693.6
52.5°	719.4	717.7	714.2	705.6	700.5	695.3	686.7	681.5	666.0	659.1	645.4
55°	666.0	664.3	657.4	652.3	648.8	643.7	636.8	626.4	617.8	607.5	595.5
57.5°	612.7	611.0	605.8	602.4	595.5	590.3	583.4	576.5	564.5	557.6	545.6
60°	557.6	557.6	554.2	549.0	542.1	537.0	531.8	524.9	514.6	504.3	495.7
62.5°	502.5	502.5	497.4	492.2	488.8	483.6	480.2	471.6	463.0	456.1	442.3
65°	444.0	444.0	437.1	435.4	432.0	428.5	423.4	414.8	409.6	397.6	392.4
67.5°	388.9	390.7	385.5	385.5	380.3	376.9	371.7	364.9	359.7	349.4	344.2
70°	337.3	339.0	335.6	333.9	328.7	325.3	321.8	316.7	309.8	306.3	297.7
72.5°	285.7	287.4	284.0	284.0	278.8	277.1	273.6	270.2	263.3	259.9	251.3
75°	235.8	234.1	234.1	235.8	230.6	228.9	227.2	220.3	216.8	213.4	206.5
77.5°	187.6	187.6	189.3	187.6	184.1	182.4	179.0	173.8	172.1	170.4	163.5
80°	142.8	144.6	144.6	142.8	139.4	137.7	136.0	130.8	129.1	129.1	123.9
82.5°	99.8	99.8	98.1	99.8	96.4	94.7	96.4	91.2	89.5	89.5	86.1
85°	58.5	56.8	56.8	58.5	56.8	56.8	56.8	53.4	53.4	53.4	49.9
87.5°	22.4	22.4	24.1	24.1	22.4	22.4	22.4	22.4	20.7	20.7	18.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9
2.5°	1249.5	1249.5	1249.5	1249.5	1251.2	1249.5	1251.2	1251.2	1252.9	1251.2	1252.9
5°	1246.0	1246.0	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1244.3	1246.0	1246.0
7.5°	1237.4	1237.4	1235.7	1235.7	1235.7	1235.7	1234.0	1234.0	1235.7	1235.7	1235.7
10°	1227.1	1225.4	1223.6	1223.6	1223.6	1223.6	1221.9	1223.6	1223.6	1223.6	1223.6
12.5°	1211.6	1211.6	1209.9	1208.2	1208.2	1208.2	1206.4	1208.2	1208.2	1208.2	1208.2
15°	1196.1	1194.4	1192.7	1189.2	1189.2	1187.5	1185.8	1187.5	1185.8	1185.8	1187.5
17.5°	1173.7	1173.7	1170.3	1168.6	1166.8	1165.1	1163.4	1163.4	1163.4	1163.4	1166.8
20°	1151.4	1149.6	1146.2	1139.3	1141.0	1139.3	1135.9	1137.6	1137.6	1135.9	1135.9
22.5°	1127.3	1120.4	1116.9	1110.1	1111.8	1108.3	1106.6	1108.3	1106.6	1104.9	1108.3
25°	1094.6	1091.1	1082.5	1082.5	1079.1	1077.4	1077.4	1075.6	1073.9	1072.2	1075.6
27.5°	1065.3	1058.4	1053.3	1046.4	1042.9	1042.9	1041.2	1039.5	1036.1	1039.5	1039.5
30°	1029.2	1022.3	1013.7	1010.2	1006.8	1006.8	1003.4	1001.6	998.2	998.2	1003.4
32.5°	994.7	984.4	975.8	970.7	968.9	967.2	965.5	958.6	960.3	962.0	963.8
35°	953.4	944.8	938.0	932.8	927.6	925.9	924.2	919.0	919.0	917.3	922.5
37.5°	913.9	903.5	898.4	889.8	886.3	882.9	881.2	877.7	876.0	877.7	879.4
40°	870.8	862.2	853.6	845.0	841.6	839.9	834.7	834.7	831.2	834.7	834.7
42.5°	826.1	817.5	807.2	800.3	796.8	793.4	789.9	788.2	788.2	788.2	789.9
45°	781.3	771.0	760.7	753.8	750.4	748.6	743.5	741.8	738.3	741.8	743.5
47.5°	733.2	724.5	714.2	709.1	703.9	702.2	697.0	693.6	691.8	695.3	695.3
50°	685.0	676.4	667.8	660.9	655.7	654.0	648.8	648.8	645.4	648.8	648.8
52.5°	636.8	628.2	619.6	611.0	607.5	605.8	600.6	600.6	600.6	600.6	600.6
55°	588.6	576.5	571.4	562.8	559.3	557.6	555.9	550.7	552.4	552.4	552.4
57.5°	538.7	530.1	519.7	516.3	511.1	509.4	509.4	502.5	500.8	504.3	504.3
60°	488.8	481.9	471.6	466.4	463.0	463.0	457.8	450.9	449.2	456.1	456.1
62.5°	437.1	426.8	421.6	416.5	413.0	411.3	409.6	404.4	406.2	404.4	404.4
65°	388.9	378.6	375.2	370.0	366.6	364.9	363.1	359.7	356.2	358.0	358.0
67.5°	340.8	332.2	327.0	323.6	320.1	320.1	316.7	313.2	314.9	313.2	313.2
70°	294.3	287.4	280.5	278.8	275.4	275.4	273.6	271.9	270.2	268.5	268.5
72.5°	249.5	242.7	237.5	234.1	232.3	232.3	230.6	225.5	227.2	225.5	225.5
75°	203.1	197.9	196.2	192.8	191.0	191.0	189.3	185.9	187.6	184.1	180.7
77.5°	161.8	156.6	154.9	153.2	154.9	153.2	148.0	149.7	148.0	144.6	144.6
80°	123.9	118.7	118.7	115.3	113.6	113.6	111.9	111.9	110.1	108.4	108.4
82.5°	84.3	82.6	80.9	79.2	77.4	80.9	77.4	75.7	75.7	75.7	74.0
85°	48.2	48.2	46.5	46.5	44.7	46.5	44.7	43.0	44.7	44.7	41.3
87.5°	18.9	20.7	17.2	17.2	17.2	17.2	15.5	17.2	17.2	17.2	15.5
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°	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9
2.5°	1252.9	1251.2	1251.2	1251.2	1251.2	1249.5	1251.2	1251.2	1252.9	1251.2	1251.2
5°	1246.0	1244.3	1246.0	1244.3	1244.3	1246.0	1246.0	1247.7	1247.7	1249.5	1249.5
7.5°	1235.7	1235.7	1235.7	1235.7	1235.7	1237.4	1237.4	1239.1	1240.9	1240.9	1242.6
10°	1223.6	1223.6	1225.4	1223.6	1225.4	1227.1	1228.8	1230.5	1232.2	1234.0	1234.0
12.5°	1208.2	1208.2	1208.2	1211.6	1211.6	1213.3	1215.0	1218.5	1220.2	1223.6	1223.6
15°	1187.5	1187.5	1190.9	1190.9	1192.7	1196.1	1199.5	1201.3	1204.7	1208.2	1209.9
17.5°	1165.1	1165.1	1168.6	1168.6	1170.3	1175.5	1178.9	1180.6	1187.5	1190.9	1194.4
20°	1139.3	1139.3	1144.5	1142.8	1146.2	1151.4	1154.8	1160.0	1165.1	1170.3	1173.7
22.5°	1108.3	1110.1	1115.2	1115.2	1116.9	1123.8	1129.0	1134.1	1139.3	1146.2	1151.4
25°	1075.6	1077.4	1082.5	1084.2	1086.0	1092.8	1099.7	1103.2	1111.8	1120.4	1123.8
27.5°	1039.5	1042.9	1046.4	1048.1	1051.5	1060.1	1067.0	1073.9	1080.8	1089.4	1096.3
30°	1003.4	1006.8	1010.2	1012.0	1015.4	1024.0	1030.9	1039.5	1048.1	1056.7	1063.6
32.5°	962.0	967.2	970.7	974.1	975.8	986.1	994.7	1003.4	1012.0	1022.3	1030.9
35°	922.5	927.6	931.1	932.8	936.2	946.6	953.4	962.0	974.1	984.4	993.0
37.5°	879.4	882.9	889.8	889.8	893.2	905.3	913.9	922.5	934.5	944.8	955.2
40°	836.4	838.1	845.0	846.7	850.2	862.2	870.8	882.9	891.5	903.5	913.9
42.5°	789.9	795.1	802.0	805.4	808.9	815.8	822.6	836.4	845.0	858.8	869.1
45°	743.5	748.6	752.1	753.8	762.4	769.3	776.2	789.9	800.3	812.3	824.4
47.5°	697.0	700.5	705.6	712.5	715.9	722.8	728.0	741.8	752.1	765.9	776.2
50°	648.8	654.0	657.4	659.1	666.0	674.6	681.5	693.6	702.2	715.9	728.0
52.5°	600.6	607.5	607.5	614.4	617.8	621.3	631.6	643.7	652.3	664.3	676.4
55°	554.2	557.6	562.8	564.5	569.7	573.1	580.0	592.0	602.4	614.4	626.4
57.5°	502.5	506.0	509.4	516.3	519.7	526.6	533.5	542.1	550.7	562.8	571.4
60°	452.6	457.8	461.2	466.4	466.4	475.0	483.6	492.2	499.1	511.1	519.7
62.5°	407.9	407.9	407.9	414.8	413.0	419.9	426.8	437.1	444.0	459.5	469.8
65°	359.7	361.4	361.4	366.6	364.9	371.7	376.9	387.2	394.1	402.7	413.0
67.5°	313.2	313.2	314.9	320.1	318.4	323.6	332.2	337.3	342.5	352.8	361.4
70°	265.0	266.8	268.5	273.6	271.9	278.8	284.0	287.4	294.3	301.2	308.1
72.5°	223.7	223.7	228.9	228.9	227.2	232.3	237.5	240.9	244.4	253.0	261.6
75°	184.1	182.4	185.9	185.9	184.1	185.9	189.3	194.5	197.9	204.8	211.7
77.5°	144.6	142.8	146.3	146.3	146.3	144.6	149.7	151.4	153.2	156.6	163.5
80°	106.7	105.0	108.4	108.4	105.0	106.7	110.1	111.9	111.9	115.3	120.5
82.5°	74.0	72.3	74.0	74.0	74.0	74.0	75.7	74.0	75.7	75.7	80.9
85°	44.7	43.0	44.7	43.0	43.0	41.3	44.7	43.0	43.0	44.7	44.7
87.5°	15.5	15.5	17.2	17.2	15.5	17.2	15.5	15.5	15.5	17.2	15.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571929

CATALOG NUMBER: 22ID-35-L830-SWR

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9
2.5°	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1254.6	1254.6	1252.9	1254.6	1252.9
5°	1249.5	1249.5	1251.2	1251.2	1251.2	1251.2	1251.2	1252.9	1252.9	1252.9	1251.2
7.5°	1244.3	1244.3	1244.3	1244.3	1246.0	1247.7	1247.7	1247.7	1249.5	1247.7	1247.7
10°	1235.7	1239.1	1239.1	1240.9	1240.9	1242.6	1244.3	1244.3	1244.3	1244.3	1244.3
12.5°	1227.1	1228.8	1230.5	1232.2	1234.0	1234.0	1237.4	1237.4	1237.4	1237.4	1235.7
15°	1213.3	1216.8	1218.5	1220.2	1223.6	1223.6	1227.1	1225.4	1228.8	1227.1	1225.4
17.5°	1197.8	1201.3	1204.7	1204.7	1209.9	1211.6	1215.0	1216.8	1216.8	1215.0	1211.6
20°	1178.9	1184.1	1185.8	1189.2	1192.7	1196.1	1197.8	1199.5	1201.3	1199.5	1197.8
22.5°	1156.5	1163.4	1165.1	1168.6	1173.7	1177.2	1178.9	1180.6	1182.3	1182.3	1178.9
25°	1132.4	1141.0	1141.0	1146.2	1151.4	1156.5	1160.0	1160.0	1163.4	1160.0	1160.0
27.5°	1103.2	1113.5	1118.7	1120.4	1127.3	1132.4	1135.9	1139.3	1139.3	1135.9	1135.9
30°	1073.9	1084.2	1089.4	1091.1	1099.7	1104.9	1108.3	1111.8	1111.8	1111.8	1108.3
32.5°	1041.2	1053.3	1058.4	1060.1	1070.5	1075.6	1080.8	1084.2	1084.2	1082.5	1077.4
35°	1006.8	1015.4	1024.0	1027.4	1036.1	1041.2	1049.8	1053.3	1051.5	1051.5	1046.4
37.5°	967.2	981.0	986.1	989.6	999.9	1006.8	1015.4	1018.8	1018.8	1017.1	1013.7
40°	925.9	941.4	946.6	951.7	962.0	970.7	975.8	981.0	981.0	981.0	977.5
42.5°	884.6	896.6	903.5	908.7	920.7	925.9	934.5	941.4	941.4	939.7	934.5
45°	838.1	851.9	858.8	863.9	876.0	886.3	891.5	898.4	896.6	896.6	889.8
47.5°	791.7	805.4	812.3	817.5	829.5	841.6	845.0	851.9	851.9	851.9	845.0
50°	743.5	757.2	762.4	767.6	781.3	788.2	796.8	803.7	803.7	805.4	798.6
52.5°	693.6	703.9	712.5	715.9	729.7	738.3	745.2	753.8	753.8	750.4	750.4
55°	640.2	652.3	660.9	664.3	674.6	688.4	693.6	700.5	700.5	700.5	697.0
57.5°	586.9	600.6	607.5	611.0	623.0	633.3	640.2	647.1	648.8	648.8	641.9
60°	531.8	545.6	552.4	555.9	569.7	578.3	585.1	592.0	593.7	595.5	588.6
62.5°	480.2	492.2	499.1	502.5	512.9	519.7	528.4	537.0	538.7	538.7	535.2
65°	423.4	435.4	440.6	444.0	452.6	464.7	475.0	481.9	483.6	481.9	481.9
67.5°	370.0	380.3	387.2	388.9	397.6	409.6	414.8	421.6	423.4	423.4	421.6
70°	316.7	328.7	333.9	337.3	344.2	354.5	359.7	366.6	368.3	370.0	366.6
72.5°	266.8	275.4	280.5	284.0	292.6	301.2	304.6	311.5	314.9	314.9	311.5
75°	216.8	225.5	228.9	232.3	239.2	247.8	251.3	258.2	261.6	259.9	259.9
77.5°	168.7	175.5	179.0	180.7	185.9	196.2	197.9	204.8	204.8	206.5	206.5
80°	123.9	129.1	132.5	134.2	137.7	144.6	148.0	153.2	156.6	154.9	154.9
82.5°	82.6	86.1	89.5	92.9	92.9	99.8	99.8	105.0	105.0	108.4	106.7
85°	46.5	48.2	49.9	51.6	51.6	56.8	56.8	60.2	63.7	60.2	60.2
87.5°	15.5	17.2	17.2	18.9	17.2	20.7	18.9	22.4	24.1	24.1	22.4
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: P571929

CATALOG NUMBER: 22ID-35-L830-SWR

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9
2.5°	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9
5°	1251.2	1251.2	1249.5	1251.2	1251.2	1251.2	1251.2	1249.5	1249.5	1249.5	1249.5
7.5°	1247.7	1246.0	1246.0	1246.0	1244.3	1244.3	1244.3	1244.3	1242.6	1242.6	1242.6
10°	1242.6	1240.9	1240.9	1240.9	1239.1	1239.1	1237.4	1235.7	1235.7	1234.0	1232.2
12.5°	1235.7	1234.0	1232.2	1232.2	1230.5	1228.8	1227.1	1225.4	1223.6	1220.2	1220.2
15°	1223.6	1223.6	1221.9	1220.2	1216.8	1216.8	1213.3	1211.6	1208.2	1204.7	1204.7
17.5°	1211.6	1209.9	1208.2	1204.7	1201.3	1199.5	1196.1	1192.7	1189.2	1185.8	1184.1
20°	1196.1	1190.9	1192.7	1187.5	1184.1	1180.6	1175.5	1172.0	1166.8	1163.4	1160.0
22.5°	1175.5	1173.7	1172.0	1166.8	1161.7	1160.0	1151.4	1146.2	1141.0	1135.9	1132.4
25°	1153.1	1151.4	1149.6	1144.5	1137.6	1134.1	1125.5	1120.4	1111.8	1108.3	1104.9
27.5°	1127.3	1127.3	1123.8	1116.9	1111.8	1103.2	1098.0	1087.7	1080.8	1075.6	1072.2
30°	1099.7	1099.7	1096.3	1087.7	1080.8	1072.2	1067.0	1056.7	1048.1	1042.9	1036.1
32.5°	1072.2	1070.5	1067.0	1058.4	1049.8	1041.2	1030.9	1022.3	1012.0	1006.8	999.9
35°	1039.5	1037.8	1034.3	1024.0	1017.1	1006.8	994.7	984.4	974.1	968.9	958.6
37.5°	1005.1	1001.6	998.2	986.1	977.5	967.2	958.6	944.8	934.5	927.6	922.5
40°	967.2	965.5	960.3	950.0	938.0	927.6	915.6	905.3	894.9	886.3	879.4
42.5°	929.3	922.5	919.0	908.7	900.1	884.6	876.0	862.2	851.9	845.0	834.7
45°	886.3	881.2	876.0	865.7	853.6	841.6	833.0	817.5	807.2	798.6	789.9
47.5°	838.1	836.4	831.2	819.2	808.9	796.8	786.5	771.0	760.7	753.8	745.2
50°	789.9	788.2	784.8	772.7	759.0	748.6	740.0	724.5	714.2	703.9	698.7
52.5°	745.2	738.3	734.9	724.5	710.8	698.7	691.8	676.4	666.0	655.7	648.8
55°	693.6	688.4	685.0	676.4	664.3	648.8	641.9	628.2	619.6	612.7	602.4
57.5°	641.9	635.1	631.6	621.3	612.7	600.6	592.0	578.3	569.7	562.8	555.9
60°	583.4	583.4	580.0	569.7	561.1	549.0	542.1	528.4	519.7	514.6	506.0
62.5°	535.2	528.4	526.6	514.6	509.4	497.4	492.2	480.2	475.0	466.4	457.8
65°	475.0	475.0	473.3	466.4	459.5	444.0	437.1	426.8	421.6	414.8	407.9
67.5°	421.6	416.5	416.5	409.6	401.0	392.4	387.2	376.9	373.5	364.9	359.7
70°	368.3	363.1	363.1	354.5	349.4	340.8	337.3	328.7	321.8	318.4	313.2
72.5°	314.9	311.5	309.8	302.9	299.5	290.9	289.1	280.5	273.6	271.9	266.8
75°	261.6	258.2	253.0	254.7	247.8	240.9	239.2	234.1	230.6	225.5	220.3
77.5°	208.2	204.8	204.8	201.4	197.9	192.8	191.0	187.6	182.4	179.0	175.5
80°	158.3	154.9	154.9	153.2	148.0	144.6	144.6	139.4	139.4	136.0	134.2
82.5°	108.4	106.7	105.0	106.7	103.3	99.8	101.5	99.8	98.1	94.7	92.9
85°	63.7	62.0	60.2	63.7	60.2	62.0	60.2	58.5	58.5	56.8	55.1
87.5°	24.1	24.1	22.4	24.1	24.1	25.8	24.1	24.1	24.1	24.1	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: P571929

CATALOG NUMBER: 22ID-35-L830-SWR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9
2.5°	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9
5°	1249.5	1249.5	1249.5	1249.5	1249.5	1249.5	1249.5	1249.5	1249.5	1247.7	1249.5
7.5°	1242.6	1240.9	1242.6	1240.9	1240.9	1240.9	1240.9	1240.9	1240.9	1240.9	1240.9
10°	1232.2	1232.2	1232.2	1232.2	1232.2	1232.2	1232.2	1232.2	1232.2	1230.5	1230.5
12.5°	1220.2	1220.2	1218.5	1218.5	1218.5	1216.8	1216.8	1218.5	1218.5	1216.8	1218.5
15°	1203.0	1204.7	1201.3	1199.5	1199.5	1199.5	1199.5	1199.5	1199.5	1199.5	1201.3
17.5°	1184.1	1182.3	1180.6	1180.6	1178.9	1177.2	1177.2	1178.9	1178.9	1180.6	1180.6
20°	1160.0	1160.0	1156.5	1154.8	1153.1	1151.4	1151.4	1153.1	1153.1	1153.1	1156.5
22.5°	1132.4	1130.7	1127.3	1125.5	1125.5	1122.1	1123.8	1125.5	1125.5	1125.5	1127.3
25°	1101.4	1099.7	1098.0	1096.3	1092.8	1091.1	1091.1	1094.6	1094.6	1098.0	1099.7
27.5°	1068.7	1067.0	1063.6	1060.1	1058.4	1056.7	1056.7	1060.1	1060.1	1063.6	1065.3
30°	1034.3	1032.6	1027.4	1025.7	1020.6	1018.8	1020.6	1024.0	1025.7	1027.4	1029.2
32.5°	998.2	994.7	989.6	987.9	982.7	984.4	981.0	986.1	987.9	989.6	991.3
35°	958.6	955.2	950.0	944.8	943.1	941.4	941.4	944.8	944.8	950.0	951.7
37.5°	915.6	913.9	908.7	905.3	901.8	901.8	898.4	903.5	905.3	908.7	908.7
40°	876.0	874.3	865.7	862.2	858.8	860.5	855.3	860.5	862.2	865.7	867.4
42.5°	829.5	827.8	820.9	817.5	814.0	815.8	810.6	815.8	814.0	819.2	820.9
45°	784.8	783.1	777.9	771.0	767.6	769.3	769.3	769.3	767.6	772.7	774.5
47.5°	740.0	736.6	731.4	724.5	721.1	722.8	722.8	722.8	721.1	728.0	728.0
50°	693.6	690.1	685.0	678.1	676.4	676.4	676.4	676.4	676.4	679.8	681.5
52.5°	645.4	643.7	638.5	631.6	628.2	628.2	628.2	624.7	628.2	629.9	631.6
55°	597.2	595.5	586.9	583.4	580.0	581.7	580.0	578.3	578.3	581.7	583.4
57.5°	549.0	547.3	542.1	540.4	531.8	533.5	531.8	531.8	533.5	533.5	535.2
60°	500.8	499.1	493.9	492.2	485.3	487.0	480.2	483.6	485.3	485.3	485.3
62.5°	449.2	449.2	440.6	437.1	433.7	435.4	430.3	430.3	430.3	433.7	433.7
65°	402.7	401.0	394.1	390.7	387.2	387.2	383.8	383.8	382.1	385.5	385.5
67.5°	354.5	354.5	347.6	344.2	340.8	342.5	337.3	337.3	339.0	339.0	339.0
70°	308.1	308.1	302.9	301.2	296.0	296.0	290.9	292.6	292.6	292.6	292.6
72.5°	263.3	263.3	258.2	256.4	251.3	251.3	246.1	247.8	247.8	246.1	246.1
75°	218.6	220.3	211.7	210.0	206.5	208.2	204.8	203.1	204.8	201.4	201.4
77.5°	173.8	173.8	172.1	170.4	165.2	165.2	163.5	160.1	161.8	158.3	158.3
80°	130.8	132.5	127.4	129.1	123.9	125.6	123.9	120.5	120.5	118.7	117.0
82.5°	91.2	91.2	89.5	91.2	89.5	87.8	86.1	84.3	84.3	80.9	80.9
85°	55.1	56.8	53.4	55.1	55.1	53.4	49.9	49.9	49.9	48.2	48.2
87.5°	22.4	25.8	24.1	24.1	24.1	24.1	22.4	24.1	22.4	20.7	20.7
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: P571929

CATALOG NUMBER: 22ID-35-L830-SWR

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9
2.5°	1251.2	1252.9	1252.9	1252.9	1252.9	1251.2	1251.2	1251.2	1251.2	1251.2	1252.9
5°	1247.7	1249.5	1249.5	1249.5	1249.5	1249.5	1249.5	1249.5	1249.5	1249.5	1249.5
7.5°	1240.9	1240.9	1242.6	1242.6	1242.6	1242.6	1244.3	1242.6	1244.3	1242.6	1244.3
10°	1230.5	1232.2	1234.0	1234.0	1235.7	1234.0	1235.7	1235.7	1237.4	1237.4	1237.4
12.5°	1218.5	1220.2	1220.2	1223.6	1223.6	1223.6	1225.4	1225.4	1227.1	1228.8	1228.8
15°	1201.3	1203.0	1204.7	1204.7	1208.2	1211.6	1211.6	1213.3	1215.0	1216.8	1216.8
17.5°	1180.6	1182.3	1184.1	1187.5	1190.9	1194.4	1196.1	1196.1	1199.5	1201.3	1201.3
20°	1156.5	1160.0	1163.4	1166.8	1168.6	1173.7	1175.5	1177.2	1180.6	1184.1	1184.1
22.5°	1130.7	1132.4	1137.6	1141.0	1144.5	1149.6	1151.4	1156.5	1160.0	1161.7	1163.4
25°	1099.7	1103.2	1108.3	1111.8	1115.2	1122.1	1127.3	1130.7	1135.9	1139.3	1139.3
27.5°	1065.3	1070.5	1075.6	1079.1	1084.2	1092.8	1098.0	1101.4	1108.3	1111.8	1113.5
30°	1030.9	1034.3	1041.2	1046.4	1051.5	1060.1	1067.0	1072.2	1079.1	1082.5	1084.2
32.5°	993.0	998.2	1005.1	1010.2	1017.1	1025.7	1032.6	1037.8	1048.1	1049.8	1051.5
35°	953.4	958.6	963.8	972.4	979.3	987.9	996.5	1003.4	1008.5	1015.4	1017.1
37.5°	912.1	917.3	924.2	931.1	938.0	948.3	956.9	962.0	970.7	975.8	979.3
40°	869.1	874.3	882.9	891.5	896.6	907.0	915.6	922.5	934.5	938.0	938.0
42.5°	822.6	829.5	834.7	845.0	850.2	862.2	870.8	881.2	888.0	893.2	894.9
45°	777.9	783.1	793.4	800.3	805.4	817.5	826.1	834.7	843.3	846.7	850.2
47.5°	729.7	736.6	745.2	748.6	757.2	769.3	777.9	786.5	796.8	800.3	802.0
50°	683.2	688.4	693.6	700.5	707.3	719.4	729.7	738.3	746.9	750.4	752.1
52.5°	635.1	640.2	645.4	654.0	657.4	669.5	674.6	683.2	695.3	698.7	700.5
55°	585.1	592.0	598.9	604.1	607.5	617.8	624.7	635.1	641.9	645.4	648.8
57.5°	535.2	540.4	547.3	554.2	555.9	566.2	574.8	580.0	588.6	592.0	595.5
60°	487.0	492.2	497.4	499.1	504.3	514.6	523.2	526.6	535.2	538.7	540.4
62.5°	435.4	437.1	444.0	449.2	449.2	463.0	468.1	475.0	481.9	483.6	487.0
65°	387.2	390.7	390.7	394.1	399.3	407.9	411.3	419.9	425.1	426.8	428.5
67.5°	339.0	342.5	345.9	349.4	349.4	358.0	359.7	366.6	371.7	373.5	375.2
70°	292.6	292.6	297.7	301.2	299.5	306.3	309.8	313.2	320.1	321.8	323.6
72.5°	247.8	246.1	249.5	253.0	256.4	258.2	261.6	263.3	268.5	271.9	273.6
75°	203.1	204.8	204.8	206.5	204.8	206.5	211.7	216.8	220.3	222.0	225.5
77.5°	158.3	160.1	160.1	161.8	163.5	163.5	165.2	172.1	175.5	177.3	175.5
80°	117.0	118.7	118.7	120.5	122.2	123.9	123.9	127.4	132.5	134.2	134.2
82.5°	82.6	82.6	82.6	82.6	84.3	84.3	86.1	89.5	92.9	92.9	96.4
85°	49.9	49.9	48.2	49.9	48.2	49.9	51.6	55.1	56.8	56.8	58.5
87.5°	22.4	20.7	22.4	22.4	20.7	20.7	20.7	22.4	22.4	24.1	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

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CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1252.9	1252.9	1252.9	1252.9
2.5°	1252.9	1252.9	1252.9	1252.9
5°	1249.5	1249.5	1249.5	1249.5
7.5°	1244.3	1244.3	1244.3	1244.3
10°	1237.4	1239.1	1239.1	1239.1
12.5°	1228.8	1228.8	1230.5	1230.5
15°	1218.5	1218.5	1218.5	1220.2
17.5°	1203.0	1204.7	1204.7	1204.7
20°	1185.8	1187.5	1187.5	1185.8
22.5°	1163.4	1165.1	1166.8	1166.8
25°	1141.0	1144.5	1146.2	1146.2
27.5°	1115.2	1118.7	1120.4	1120.4
30°	1087.7	1091.1	1091.1	1091.1
32.5°	1055.0	1060.1	1061.9	1061.9
35°	1020.6	1027.4	1029.2	1029.2
37.5°	984.4	987.9	993.0	993.0
40°	944.8	948.3	953.4	953.4
42.5°	901.8	908.7	908.7	912.1
45°	855.3	862.2	863.9	867.4
47.5°	808.9	815.8	817.5	819.2
50°	759.0	764.1	769.3	769.3
52.5°	709.1	712.5	715.9	719.4
55°	655.7	660.9	662.6	666.0
57.5°	600.6	607.5	609.2	612.7
60°	547.3	552.4	555.9	557.6
62.5°	493.9	497.4	499.1	502.5
65°	435.4	440.6	440.6	444.0
67.5°	382.1	385.5	387.2	388.9
70°	325.3	332.2	333.9	337.3
72.5°	275.4	282.2	282.2	285.7
75°	230.6	232.3	232.3	235.8
77.5°	182.4	184.1	185.9	187.6
80°	137.7	139.4	139.4	142.8
82.5°	98.1	98.1	98.1	99.8
85°	60.2	58.5	56.8	58.5
87.5°	24.1	24.1	25.8	22.4
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P571929

CATALOG NUMBER: 22ID-35-L830-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	16.14	17.76	16.50	18.08	18.39	15.02	16.65	15.38	16.96	17.27
	3H	17.89	19.36	18.26	19.68	20.04	16.64	18.11	17.01	18.43	18.79
	4H	18.55	19.93	18.94	20.28	20.65	17.23	18.61	17.63	18.96	19.34
	6H	19.04	20.32	19.45	20.69	21.08	17.66	18.95	18.07	19.31	19.70
	8H	19.20	20.42	19.62	20.81	21.21	17.80	19.02	18.22	19.41	19.81
	12H	19.29	20.47	19.72	20.85	21.28	17.88	19.05	18.31	19.43	19.86
4H	2H	16.62	18.00	17.02	18.35	18.73	15.72	17.10	16.12	17.45	17.83
	3H	18.60	19.76	19.01	20.15	20.55	17.54	18.70	17.95	19.10	19.50
	4H	19.39	20.44	19.82	20.85	21.29	18.25	19.30	18.68	19.71	20.15
	6H	20.02	20.94	20.48	21.38	21.84	18.79	19.71	19.25	20.15	20.61
	8H	20.24	21.09	20.70	21.54	22.00	18.97	19.82	19.43	20.27	20.73
	12H	20.38	21.15	20.86	21.63	22.10	19.08	19.85	19.56	20.33	20.80
8H	4H	19.63	20.48	20.09	20.93	21.39	18.60	19.46	19.06	19.90	20.36
	6H	20.37	21.08	20.86	21.57	22.05	19.25	19.96	19.74	20.45	20.93
	8H	20.66	21.30	21.17	21.80	22.29	19.48	20.12	19.99	20.63	21.12
	12H	20.88	21.44	21.38	21.93	22.49	19.66	20.23	20.17	20.72	21.28
12H	4H	19.65	20.42	20.13	20.89	21.36	18.64	19.41	19.12	19.89	20.36
	6H	20.40	21.04	20.91	21.55	22.04	19.31	19.96	19.82	20.46	20.95
	8H	20.74	21.31	21.25	21.80	22.36	19.60	20.17	20.11	20.66	21.22

END OF REPORT