

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: P571953

Luminaire Tested: 22ID-40-L840-SWR

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P571953
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-L840-SWR
Description: 4000 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: 4112.0 lumens
Efficiency: N/A
Efficacy: 126.5 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

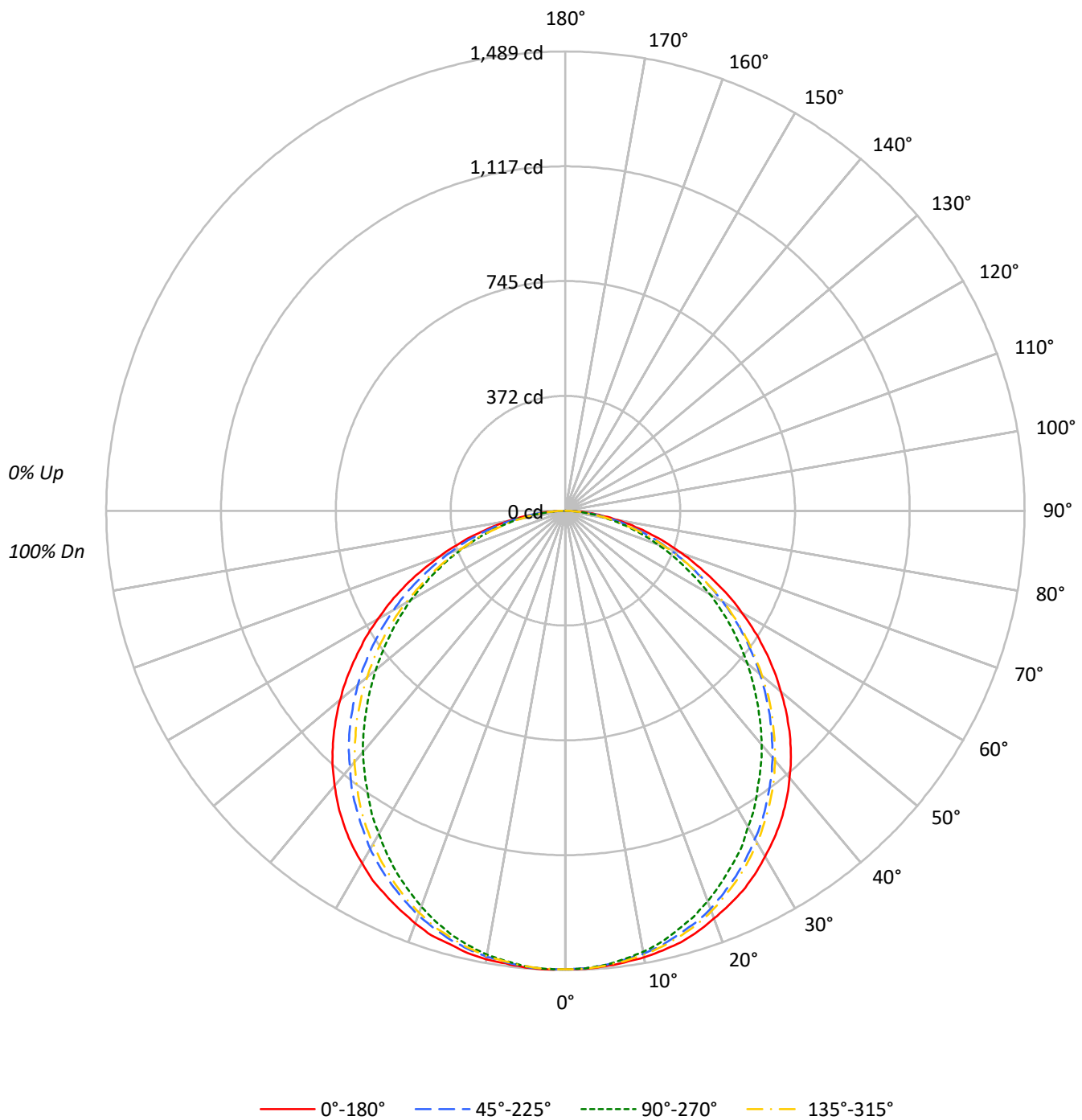
Input Watts (W): 32.5
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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CATALOG NUMBER: 22ID-40-L840-SWR

Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				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°	4001	4001	4001	4001
5°	4005	3994	4016	4005
10°	4018	3968	4035	3996
15°	4034	3920	4051	3966
20°	4030	3860	4076	3913
25°	4039	3778	4087	3845
30°	4024	3681	4100	3757
35°	4012	3576	4106	3670
40°	3975	3479	4090	3587
45°	3918	3350	4057	3474
50°	3822	3224	3993	3360
55°	3708	3076	3900	3239
60°	3561	2913	3781	3111
65°	3355	2705	3642	2926
70°	3150	2507	3423	2764
75°	2909	2272	3186	2569
80°	2627	1994	2817	2311
85°	2143	1639	2208	1954

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 4057 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.8	3.4
10°-20°	404.1	9.8
20°-30°	610.0	14.8
30°-40°	728.3	17.7
40°-50°	743.1	18.1
50°-60°	655.3	15.9
60°-70°	484.3	11.8
70°-80°	273.1	6.6
80°-90°	73.1	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°	1154.9	28.1
0°-40°	1883.1	45.8
0°-60°	3281.5	79.8
0°-90°	4112.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4112.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1487	1487	1487	1487	1487	
5°	1483	1479	1487	1483	1483	141
15°	1448	1407	1454	1424	1448	408
25°	1360	1272	1377	1295	1360	626
35°	1221	1089	1250	1117	1221	763
45°	1029	880	1066	913	1029	793
55°	790	656	831	690	790	706
65°	527	425	572	460	527	523
75°	280	218	306	247	280	297
85°	69	53	72	63	69	81
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°	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8
2.5°	1486.8	1486.8	1486.8	1486.8	1484.8	1482.8	1482.8	1484.8	1484.8	1482.8	1484.8
5°	1482.8	1482.8	1482.8	1480.7	1478.7	1478.7	1478.7	1478.7	1476.6	1478.7	1478.7
7.5°	1476.6	1476.6	1476.6	1474.6	1472.5	1472.5	1472.5	1470.5	1468.5	1470.5	1468.5
10°	1470.5	1468.5	1468.5	1468.5	1464.4	1462.3	1462.3	1462.3	1460.3	1460.3	1458.3
12.5°	1460.3	1458.3	1458.3	1456.2	1454.2	1452.1	1450.1	1448.0	1446.0	1444.0	1444.0
15°	1448.0	1448.0	1444.0	1441.9	1437.8	1435.8	1433.7	1431.7	1427.6	1425.6	1421.5
17.5°	1429.7	1429.7	1425.6	1423.5	1419.4	1415.4	1415.4	1411.3	1407.2	1403.1	1401.1
20°	1407.2	1409.2	1407.2	1403.1	1397.0	1394.9	1392.9	1388.8	1382.7	1378.6	1374.5
22.5°	1384.7	1386.8	1382.7	1376.6	1372.5	1370.4	1366.3	1360.2	1354.1	1348.0	1341.8
25°	1360.2	1358.2	1354.1	1350.0	1343.9	1341.8	1337.8	1331.6	1321.4	1315.3	1307.1
27.5°	1329.6	1329.6	1323.5	1319.4	1309.2	1309.2	1303.0	1294.9	1286.7	1276.5	1270.4
30°	1294.9	1294.9	1290.8	1284.7	1274.4	1272.4	1266.3	1260.1	1247.9	1237.7	1229.5
32.5°	1260.1	1258.1	1254.0	1247.9	1237.7	1233.6	1227.5	1219.3	1209.1	1194.8	1188.7
35°	1221.3	1219.3	1213.2	1205.0	1196.8	1192.7	1186.6	1176.4	1166.2	1151.9	1141.7
37.5°	1178.4	1176.4	1170.3	1162.1	1151.9	1147.8	1141.7	1131.5	1117.2	1107.0	1094.7
40°	1131.5	1129.4	1125.3	1117.2	1107.0	1102.9	1094.7	1084.5	1068.2	1055.9	1045.7
42.5°	1082.5	1080.4	1074.3	1064.1	1055.9	1051.8	1043.7	1033.4	1019.1	1004.8	990.5
45°	1029.4	1027.3	1021.2	1008.9	1002.8	996.7	988.5	978.3	966.0	953.8	937.4
47.5°	972.2	970.1	966.0	955.8	943.6	941.5	933.4	923.2	908.9	892.5	880.3
50°	912.9	912.9	906.8	898.6	890.5	884.3	876.2	866.0	847.6	837.4	823.1
52.5°	853.7	851.7	847.6	837.4	831.2	825.1	814.9	808.8	790.4	782.2	765.9
55°	790.4	788.4	780.2	774.1	770.0	763.8	755.7	743.4	733.2	721.0	706.7
57.5°	727.1	725.0	718.9	714.8	706.7	700.5	692.4	684.2	669.9	661.7	647.4
60°	661.7	661.7	657.6	651.5	643.3	637.2	631.1	622.9	610.7	598.4	588.2
62.5°	596.4	596.4	590.2	584.1	580.0	573.9	569.8	559.6	549.4	541.2	524.9
65°	526.9	526.9	518.8	516.7	512.6	508.6	502.4	492.2	486.1	471.8	465.7
67.5°	461.6	463.6	457.5	457.5	451.4	447.3	441.2	433.0	426.9	414.6	408.5
70°	400.3	402.3	398.3	396.2	390.1	386.0	381.9	375.8	367.6	363.5	353.3
72.5°	339.0	341.1	337.0	337.0	330.9	328.8	324.7	320.7	312.5	308.4	298.2
75°	279.8	277.8	277.8	279.8	273.7	271.6	269.6	261.4	257.3	253.3	245.1
77.5°	222.6	222.6	224.7	222.6	218.5	216.5	212.4	206.3	204.2	202.2	194.0
80°	169.5	171.6	171.6	169.5	165.4	163.4	161.3	155.2	153.2	153.2	147.1
82.5°	118.5	118.5	116.4	118.5	114.4	112.3	114.4	108.2	106.2	106.2	102.1
85°	69.4	67.4	67.4	69.4	67.4	67.4	67.4	63.3	63.3	63.3	59.2
87.5°	26.6	26.6	28.6	28.6	26.6	26.6	26.6	26.6	24.5	24.5	22.5
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):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8
2.5°	1482.8	1482.8	1482.8	1482.8	1484.8	1482.8	1484.8	1484.8	1486.8	1484.8	1486.8
5°	1478.7	1478.7	1476.6	1476.6	1476.6	1476.6	1476.6	1476.6	1476.6	1478.7	1478.7
7.5°	1468.5	1468.5	1466.4	1466.4	1466.4	1466.4	1464.4	1464.4	1466.4	1466.4	1466.4
10°	1456.2	1454.2	1452.1	1452.1	1452.1	1452.1	1450.1	1452.1	1452.1	1452.1	1452.1
12.5°	1437.8	1437.8	1435.8	1433.7	1433.7	1433.7	1431.7	1433.7	1433.7	1433.7	1433.7
15°	1419.4	1417.4	1415.4	1411.3	1411.3	1409.2	1407.2	1409.2	1407.2	1407.2	1409.2
17.5°	1392.9	1392.9	1388.8	1386.8	1384.7	1382.7	1380.6	1380.6	1380.6	1380.6	1384.7
20°	1366.3	1364.3	1360.2	1352.0	1354.1	1352.0	1348.0	1350.0	1350.0	1348.0	1348.0
22.5°	1337.8	1329.6	1325.5	1317.3	1319.4	1315.3	1313.2	1315.3	1313.2	1311.2	1315.3
25°	1298.9	1294.9	1284.7	1284.7	1280.6	1278.5	1278.5	1276.5	1274.4	1272.4	1276.5
27.5°	1264.2	1256.1	1249.9	1241.8	1237.7	1237.7	1235.6	1233.6	1229.5	1233.6	1233.6
30°	1221.3	1213.2	1203.0	1198.9	1194.8	1194.8	1190.7	1188.7	1184.6	1184.6	1190.7
32.5°	1180.5	1168.2	1158.0	1151.9	1149.9	1147.8	1145.8	1137.6	1139.6	1141.7	1143.7
35°	1131.5	1121.3	1113.1	1107.0	1100.8	1098.8	1096.8	1090.6	1090.6	1088.6	1094.7
37.5°	1084.5	1072.2	1066.1	1055.9	1051.8	1047.7	1045.7	1041.6	1039.6	1041.6	1043.7
40°	1033.4	1023.2	1013.0	1002.8	998.7	996.7	990.5	990.5	986.5	990.5	990.5
42.5°	980.3	970.1	957.9	949.7	945.6	941.5	937.4	935.4	935.4	935.4	937.4
45°	927.2	915.0	902.7	894.6	890.5	888.4	882.3	880.3	876.2	880.3	882.3
47.5°	870.0	859.8	847.6	841.5	835.3	833.3	827.2	823.1	821.0	825.1	825.1
50°	812.9	802.7	792.4	784.3	778.1	776.1	770.0	770.0	765.9	770.0	770.0
52.5°	755.7	745.5	735.3	725.0	721.0	718.9	712.8	712.8	712.8	712.8	712.8
55°	698.5	684.2	678.1	667.9	663.8	661.7	659.7	653.6	655.6	655.6	655.6
57.5°	639.3	629.0	616.8	612.7	606.6	604.5	604.5	596.4	594.3	598.4	598.4
60°	580.0	571.9	559.6	553.5	549.4	549.4	543.3	535.1	533.1	541.2	541.2
62.5°	518.8	506.5	500.4	494.3	490.2	488.1	486.1	480.0	482.0	480.0	480.0
65°	461.6	449.3	445.2	439.1	435.0	433.0	430.9	426.9	422.8	424.8	424.8
67.5°	404.4	394.2	388.1	384.0	379.9	379.9	375.8	371.7	373.8	371.7	371.7
70°	349.2	341.1	332.9	330.9	326.8	326.8	324.7	322.7	320.7	318.6	318.6
72.5°	296.1	288.0	281.8	277.8	275.7	275.7	273.7	267.6	269.6	267.6	267.6
75°	241.0	234.9	232.8	228.7	226.7	226.7	224.7	220.6	222.6	218.5	214.4
77.5°	192.0	185.9	183.8	181.8	183.8	181.8	175.6	177.7	175.6	171.6	171.6
80°	147.1	140.9	140.9	136.8	134.8	134.8	132.8	132.8	130.7	128.7	128.7
82.5°	100.1	98.0	96.0	93.9	91.9	96.0	91.9	89.9	89.9	89.9	87.8
85°	57.2	57.2	55.1	55.1	53.1	55.1	53.1	51.1	53.1	53.1	49.0
87.5°	22.5	24.5	20.4	20.4	20.4	20.4	18.4	20.4	20.4	20.4	18.4
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):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8
2.5°	1486.8	1484.8	1484.8	1484.8	1484.8	1482.8	1484.8	1484.8	1486.8	1484.8	1484.8
5°	1478.7	1476.6	1478.7	1476.6	1476.6	1478.7	1478.7	1480.7	1480.7	1482.8	1482.8
7.5°	1466.4	1466.4	1466.4	1466.4	1466.4	1468.5	1468.5	1470.5	1472.5	1472.5	1474.6
10°	1452.1	1452.1	1454.2	1452.1	1454.2	1456.2	1458.3	1460.3	1462.3	1464.4	1464.4
12.5°	1433.7	1433.7	1433.7	1437.8	1437.8	1439.9	1441.9	1446.0	1448.0	1452.1	1452.1
15°	1409.2	1409.2	1413.3	1413.3	1415.4	1419.4	1423.5	1425.6	1429.7	1433.7	1435.8
17.5°	1382.7	1382.7	1386.8	1386.8	1388.8	1394.9	1399.0	1401.1	1409.2	1413.3	1417.4
20°	1352.0	1352.0	1358.2	1356.1	1360.2	1366.3	1370.4	1376.6	1382.7	1388.8	1392.9
22.5°	1315.3	1317.3	1323.5	1323.5	1325.5	1333.7	1339.8	1345.9	1352.0	1360.2	1366.3
25°	1276.5	1278.5	1284.7	1286.7	1288.7	1296.9	1305.1	1309.2	1319.4	1329.6	1333.7
27.5°	1233.6	1237.7	1241.8	1243.8	1247.9	1258.1	1266.3	1274.4	1282.6	1292.8	1301.0
30°	1190.7	1194.8	1198.9	1200.9	1205.0	1215.2	1223.4	1233.6	1243.8	1254.0	1262.2
32.5°	1141.7	1147.8	1151.9	1156.0	1158.0	1170.3	1180.5	1190.7	1200.9	1213.2	1223.4
35°	1094.7	1100.8	1104.9	1107.0	1111.0	1123.3	1131.5	1141.7	1156.0	1168.2	1178.4
37.5°	1043.7	1047.7	1055.9	1055.9	1060.0	1074.3	1084.5	1094.7	1109.0	1121.3	1133.5
40°	992.6	994.6	1002.8	1004.8	1008.9	1023.2	1033.4	1047.7	1057.9	1072.2	1084.5
42.5°	937.4	943.6	951.7	955.8	959.9	968.1	976.3	992.6	1002.8	1019.1	1031.4
45°	882.3	888.4	892.5	894.6	904.8	912.9	921.1	937.4	949.7	964.0	978.3
47.5°	827.2	831.2	837.4	845.5	849.6	857.8	863.9	880.3	892.5	908.9	921.1
50°	770.0	776.1	780.2	782.2	790.4	800.6	808.8	823.1	833.3	849.6	863.9
52.5°	712.8	721.0	721.0	729.1	733.2	737.3	749.5	763.8	774.1	788.4	802.7
55°	657.6	661.7	667.9	669.9	676.0	680.1	688.3	702.6	714.8	729.1	743.4
57.5°	596.4	600.5	604.5	612.7	616.8	625.0	633.1	643.3	653.6	667.9	678.1
60°	537.1	543.3	547.4	553.5	553.5	563.7	573.9	584.1	592.3	606.6	616.8
62.5°	484.0	484.0	484.0	492.2	490.2	498.3	506.5	518.8	526.9	545.3	557.6
65°	426.9	428.9	428.9	435.0	433.0	441.2	447.3	459.5	467.7	477.9	490.2
67.5°	371.7	371.7	373.8	379.9	377.8	384.0	394.2	400.3	406.4	418.7	428.9
70°	314.5	316.6	318.6	324.7	322.7	330.9	337.0	341.1	349.2	357.4	365.6
72.5°	265.5	265.5	271.6	271.6	269.6	275.7	281.8	285.9	290.0	300.2	310.4
75°	218.5	216.5	220.6	220.6	218.5	220.6	224.7	230.8	234.9	243.0	251.2
77.5°	171.6	169.5	173.6	173.6	173.6	171.6	177.7	179.7	181.8	185.9	194.0
80°	126.6	124.6	128.7	128.7	124.6	126.6	130.7	132.8	132.8	136.8	143.0
82.5°	87.8	85.8	87.8	87.8	87.8	87.8	89.9	87.8	89.9	89.9	96.0
85°	53.1	51.1	53.1	51.1	51.1	49.0	53.1	51.1	51.1	53.1	53.1
87.5°	18.4	18.4	20.4	20.4	18.4	20.4	18.4	18.4	18.4	20.4	18.4
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: P571953

CATALOG NUMBER: 22ID-40-L840-SWR

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8
2.5°	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1488.9	1488.9	1486.8	1488.9	1486.8
5°	1482.8	1482.8	1484.8	1484.8	1484.8	1484.8	1484.8	1486.8	1486.8	1486.8	1484.8
7.5°	1476.6	1476.6	1476.6	1476.6	1478.7	1480.7	1480.7	1480.7	1482.8	1480.7	1480.7
10°	1466.4	1470.5	1470.5	1472.5	1472.5	1474.6	1476.6	1476.6	1476.6	1476.6	1476.6
12.5°	1456.2	1458.3	1460.3	1462.3	1464.4	1464.4	1468.5	1468.5	1468.5	1468.5	1466.4
15°	1439.9	1444.0	1446.0	1448.0	1452.1	1452.1	1456.2	1454.2	1458.3	1456.2	1454.2
17.5°	1421.5	1425.6	1429.7	1429.7	1435.8	1437.8	1441.9	1444.0	1444.0	1441.9	1437.8
20°	1399.0	1405.2	1407.2	1411.3	1415.4	1419.4	1421.5	1423.5	1425.6	1423.5	1421.5
22.5°	1372.5	1380.6	1382.7	1386.8	1392.9	1397.0	1399.0	1401.1	1403.1	1403.1	1399.0
25°	1343.9	1354.1	1354.1	1360.2	1366.3	1372.5	1376.6	1376.6	1380.6	1376.6	1376.6
27.5°	1309.2	1321.4	1327.5	1329.6	1337.8	1343.9	1348.0	1352.0	1352.0	1348.0	1348.0
30°	1274.4	1286.7	1292.8	1294.9	1305.1	1311.2	1315.3	1319.4	1319.4	1319.4	1315.3
32.5°	1235.6	1249.9	1256.1	1258.1	1270.4	1276.5	1282.6	1286.7	1286.7	1284.7	1278.5
35°	1194.8	1205.0	1215.2	1219.3	1229.5	1235.6	1245.8	1249.9	1247.9	1247.9	1241.8
37.5°	1147.8	1164.2	1170.3	1174.4	1186.6	1194.8	1205.0	1209.1	1209.1	1207.0	1203.0
40°	1098.8	1117.2	1123.3	1129.4	1141.7	1151.9	1158.0	1164.2	1164.2	1164.2	1160.1
42.5°	1049.8	1064.1	1072.2	1078.4	1092.7	1098.8	1109.0	1117.2	1117.2	1115.1	1109.0
45°	994.6	1011.0	1019.1	1025.3	1039.6	1051.8	1057.9	1066.1	1064.1	1064.1	1055.9
47.5°	939.5	955.8	964.0	970.1	984.4	998.7	1002.8	1011.0	1011.0	1011.0	1002.8
50°	882.3	898.6	904.8	910.9	927.2	935.4	945.6	953.8	953.8	955.8	947.7
52.5°	823.1	835.3	845.5	849.6	866.0	876.2	884.3	894.6	894.6	890.5	890.5
55°	759.8	774.1	784.3	788.4	800.6	816.9	823.1	831.2	831.2	831.2	827.2
57.5°	696.4	712.8	721.0	725.0	739.3	751.6	759.8	767.9	770.0	770.0	761.8
60°	631.1	647.4	655.6	659.7	676.0	686.2	694.4	702.6	704.6	706.7	698.5
62.5°	569.8	584.1	592.3	596.4	608.6	616.8	627.0	637.2	639.3	639.3	635.2
65°	502.4	516.7	522.8	526.9	537.1	551.4	563.7	571.9	573.9	571.9	571.9
67.5°	439.1	451.4	459.5	461.6	471.8	486.1	492.2	500.4	502.4	502.4	500.4
70°	375.8	390.1	396.2	400.3	408.5	420.7	426.9	435.0	437.1	439.1	435.0
72.5°	316.6	326.8	332.9	337.0	347.2	357.4	361.5	369.7	373.8	373.8	369.7
75°	257.3	267.6	271.6	275.7	283.9	294.1	298.2	306.4	310.4	308.4	308.4
77.5°	200.2	208.3	212.4	214.4	220.6	232.8	234.9	243.0	243.0	245.1	245.1
80°	147.1	153.2	157.3	159.3	163.4	171.6	175.6	181.8	185.9	183.8	183.8
82.5°	98.0	102.1	106.2	110.3	110.3	118.5	118.5	124.6	124.6	128.7	126.6
85°	55.1	57.2	59.2	61.3	61.3	67.4	67.4	71.5	75.6	71.5	71.5
87.5°	18.4	20.4	20.4	22.5	20.4	24.5	22.5	26.6	28.6	28.6	26.6
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: P571953

CATALOG NUMBER: 22ID-40-L840-SWR

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8
2.5°	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8
5°	1484.8	1484.8	1482.8	1484.8	1484.8	1484.8	1484.8	1482.8	1482.8	1482.8	1482.8
7.5°	1480.7	1478.7	1478.7	1478.7	1476.6	1476.6	1476.6	1476.6	1474.6	1474.6	1474.6
10°	1474.6	1472.5	1472.5	1472.5	1470.5	1470.5	1468.5	1466.4	1466.4	1464.4	1462.3
12.5°	1466.4	1464.4	1462.3	1462.3	1460.3	1458.3	1456.2	1454.2	1452.1	1448.0	1448.0
15°	1452.1	1452.1	1450.1	1448.0	1444.0	1444.0	1439.9	1437.8	1433.7	1429.7	1429.7
17.5°	1437.8	1435.8	1433.7	1429.7	1425.6	1423.5	1419.4	1415.4	1411.3	1407.2	1405.2
20°	1419.4	1413.3	1415.4	1409.2	1405.2	1401.1	1394.9	1390.9	1384.7	1380.6	1376.6
22.5°	1394.9	1392.9	1390.9	1384.7	1378.6	1376.6	1366.3	1360.2	1354.1	1348.0	1343.9
25°	1368.4	1366.3	1364.3	1358.2	1350.0	1345.9	1335.7	1329.6	1319.4	1315.3	1311.2
27.5°	1337.8	1337.8	1333.7	1325.5	1319.4	1309.2	1303.0	1290.8	1282.6	1276.5	1272.4
30°	1305.1	1305.1	1301.0	1290.8	1282.6	1272.4	1266.3	1254.0	1243.8	1237.7	1229.5
32.5°	1272.4	1270.4	1266.3	1256.1	1245.8	1235.6	1223.4	1213.2	1200.9	1194.8	1186.6
35°	1233.6	1231.5	1227.5	1215.2	1207.0	1194.8	1180.5	1168.2	1156.0	1149.9	1137.6
37.5°	1192.7	1188.7	1184.6	1170.3	1160.1	1147.8	1137.6	1121.3	1109.0	1100.8	1094.7
40°	1147.8	1145.8	1139.6	1127.4	1113.1	1100.8	1086.5	1074.3	1062.0	1051.8	1043.7
42.5°	1102.9	1094.7	1090.6	1078.4	1068.2	1049.8	1039.6	1023.2	1011.0	1002.8	990.5
45°	1051.8	1045.7	1039.6	1027.3	1013.0	998.7	988.5	970.1	957.9	947.7	937.4
47.5°	994.6	992.6	986.5	972.2	959.9	945.6	933.4	915.0	902.7	894.6	884.3
50°	937.4	935.4	931.3	917.0	900.7	888.4	878.2	859.8	847.6	835.3	829.2
52.5°	884.3	876.2	872.1	859.8	843.5	829.2	821.0	802.7	790.4	778.1	770.0
55°	823.1	816.9	812.9	802.7	788.4	770.0	761.8	745.5	735.3	727.1	714.8
57.5°	761.8	753.6	749.5	737.3	727.1	712.8	702.6	686.2	676.0	667.9	659.7
60°	692.4	692.4	688.3	676.0	665.8	651.5	643.3	627.0	616.8	610.7	600.5
62.5°	635.2	627.0	625.0	610.7	604.5	590.2	584.1	569.8	563.7	553.5	543.3
65°	563.7	563.7	561.7	553.5	545.3	526.9	518.8	506.5	500.4	492.2	484.0
67.5°	500.4	494.3	494.3	486.1	475.9	465.7	459.5	447.3	443.2	433.0	426.9
70°	437.1	430.9	430.9	420.7	414.6	404.4	400.3	390.1	381.9	377.8	371.7
72.5°	373.8	369.7	367.6	359.5	355.4	345.2	343.1	332.9	324.7	322.7	316.6
75°	310.4	306.4	300.2	302.3	294.1	285.9	283.9	277.8	273.7	267.6	261.4
77.5°	247.1	243.0	243.0	239.0	234.9	228.7	226.7	222.6	216.5	212.4	208.3
80°	187.9	183.8	183.8	181.8	175.6	171.6	171.6	165.4	165.4	161.3	159.3
82.5°	128.7	126.6	124.6	126.6	122.5	118.5	120.5	118.5	116.4	112.3	110.3
85°	75.6	73.5	71.5	75.6	71.5	73.5	71.5	69.4	69.4	67.4	65.4
87.5°	28.6	28.6	26.6	28.6	28.6	30.6	28.6	28.6	28.6	28.6	28.6
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: P571953

CATALOG NUMBER: 22ID-40-L840-SWR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8
2.5°	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8
5°	1482.8	1482.8	1482.8	1482.8	1482.8	1482.8	1482.8	1482.8	1482.8	1480.7	1482.8
7.5°	1474.6	1472.5	1474.6	1472.5	1472.5	1472.5	1472.5	1472.5	1472.5	1472.5	1472.5
10°	1462.3	1462.3	1462.3	1462.3	1462.3	1462.3	1462.3	1462.3	1462.3	1460.3	1460.3
12.5°	1448.0	1448.0	1446.0	1446.0	1446.0	1444.0	1444.0	1446.0	1446.0	1444.0	1446.0
15°	1427.6	1429.7	1425.6	1423.5	1423.5	1423.5	1423.5	1423.5	1423.5	1423.5	1425.6
17.5°	1405.2	1403.1	1401.1	1401.1	1399.0	1397.0	1397.0	1399.0	1399.0	1401.1	1401.1
20°	1376.6	1376.6	1372.5	1370.4	1368.4	1366.3	1366.3	1368.4	1368.4	1368.4	1372.5
22.5°	1343.9	1341.8	1337.8	1335.7	1335.7	1331.6	1333.7	1335.7	1335.7	1335.7	1337.8
25°	1307.1	1305.1	1303.0	1301.0	1296.9	1294.9	1294.9	1298.9	1298.9	1303.0	1305.1
27.5°	1268.3	1266.3	1262.2	1258.1	1256.1	1254.0	1254.0	1258.1	1258.1	1262.2	1264.2
30°	1227.5	1225.4	1219.3	1217.3	1211.1	1209.1	1211.1	1215.2	1217.3	1219.3	1221.3
32.5°	1184.6	1180.5	1174.4	1172.3	1166.2	1168.2	1164.2	1170.3	1172.3	1174.4	1176.4
35°	1137.6	1133.5	1127.4	1121.3	1119.2	1117.2	1117.2	1121.3	1121.3	1127.4	1129.4
37.5°	1086.5	1084.5	1078.4	1074.3	1070.2	1070.2	1066.1	1072.2	1074.3	1078.4	1078.4
40°	1039.6	1037.5	1027.3	1023.2	1019.1	1021.2	1015.1	1021.2	1023.2	1027.3	1029.4
42.5°	984.4	982.4	974.2	970.1	966.0	968.1	962.0	968.1	966.0	972.2	974.2
45°	931.3	929.3	923.2	915.0	910.9	912.9	912.9	912.9	910.9	917.0	919.1
47.5°	878.2	874.1	868.0	859.8	855.8	857.8	857.8	857.8	855.8	863.9	863.9
50°	823.1	819.0	812.9	804.7	802.7	802.7	802.7	802.7	802.7	806.7	808.8
52.5°	765.9	763.8	757.7	749.5	745.5	745.5	745.5	741.4	745.5	747.5	749.5
55°	708.7	706.7	696.4	692.4	688.3	690.3	688.3	686.2	686.2	690.3	692.4
57.5°	651.5	649.5	643.3	641.3	631.1	633.1	631.1	631.1	633.1	633.1	635.2
60°	594.3	592.3	586.2	584.1	575.9	578.0	569.8	573.9	575.9	575.9	575.9
62.5°	533.1	533.1	522.8	518.8	514.7	516.7	510.6	510.6	510.6	514.7	514.7
65°	477.9	475.9	467.7	463.6	459.5	459.5	455.4	455.4	453.4	457.5	457.5
67.5°	420.7	420.7	412.6	408.5	404.4	406.4	400.3	400.3	402.3	402.3	402.3
70°	365.6	365.6	359.5	357.4	351.3	351.3	345.2	347.2	347.2	347.2	347.2
72.5°	312.5	312.5	306.4	304.3	298.2	298.2	292.1	294.1	294.1	292.1	292.1
75°	259.4	261.4	251.2	249.2	245.1	247.1	243.0	241.0	243.0	239.0	239.0
77.5°	206.3	206.3	204.2	202.2	196.1	196.1	194.0	189.9	192.0	187.9	187.9
80°	155.2	157.3	151.1	153.2	147.1	149.1	147.1	143.0	143.0	140.9	138.9
82.5°	108.2	108.2	106.2	108.2	106.2	104.2	102.1	100.1	100.1	96.0	96.0
85°	65.4	67.4	63.3	65.4	65.4	63.3	59.2	59.2	59.2	57.2	57.2
87.5°	26.6	30.6	28.6	28.6	28.6	28.6	26.6	28.6	26.6	24.5	24.5
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: P571953

CATALOG NUMBER: 22ID-40-L840-SWR

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8	1486.8
2.5°	1484.8	1486.8	1486.8	1486.8	1486.8	1484.8	1484.8	1484.8	1484.8	1484.8	1486.8
5°	1480.7	1482.8	1482.8	1482.8	1482.8	1482.8	1482.8	1482.8	1482.8	1482.8	1482.8
7.5°	1472.5	1472.5	1474.6	1474.6	1474.6	1474.6	1476.6	1474.6	1476.6	1474.6	1476.6
10°	1460.3	1462.3	1464.4	1464.4	1466.4	1464.4	1466.4	1466.4	1468.5	1468.5	1468.5
12.5°	1446.0	1448.0	1448.0	1452.1	1452.1	1452.1	1454.2	1454.2	1456.2	1458.3	1458.3
15°	1425.6	1427.6	1429.7	1429.7	1433.7	1437.8	1437.8	1439.9	1441.9	1444.0	1444.0
17.5°	1401.1	1403.1	1405.2	1409.2	1413.3	1417.4	1419.4	1419.4	1423.5	1425.6	1425.6
20°	1372.5	1376.6	1380.6	1384.7	1386.8	1392.9	1394.9	1397.0	1401.1	1405.2	1405.2
22.5°	1341.8	1343.9	1350.0	1354.1	1358.2	1364.3	1366.3	1372.5	1376.6	1378.6	1380.6
25°	1305.1	1309.2	1315.3	1319.4	1323.5	1331.6	1337.8	1341.8	1348.0	1352.0	1352.0
27.5°	1264.2	1270.4	1276.5	1280.6	1286.7	1296.9	1303.0	1307.1	1315.3	1319.4	1321.4
30°	1223.4	1227.5	1235.6	1241.8	1247.9	1258.1	1266.3	1272.4	1280.6	1284.7	1286.7
32.5°	1178.4	1184.6	1192.7	1198.9	1207.0	1217.3	1225.4	1231.5	1243.8	1245.8	1247.9
35°	1131.5	1137.6	1143.7	1153.9	1162.1	1172.3	1182.5	1190.7	1196.8	1205.0	1207.0
37.5°	1082.5	1088.6	1096.8	1104.9	1113.1	1125.3	1135.6	1141.7	1151.9	1158.0	1162.1
40°	1031.4	1037.5	1047.7	1057.9	1064.1	1076.3	1086.5	1094.7	1109.0	1113.1	1113.1
42.5°	976.3	984.4	990.5	1002.8	1008.9	1023.2	1033.4	1045.7	1053.9	1060.0	1062.0
45°	923.2	929.3	941.5	949.7	955.8	970.1	980.3	990.5	1000.8	1004.8	1008.9
47.5°	866.0	874.1	884.3	888.4	898.6	912.9	923.2	933.4	945.6	949.7	951.7
50°	810.8	816.9	823.1	831.2	839.4	853.7	866.0	876.2	886.4	890.5	892.5
52.5°	753.6	759.8	765.9	776.1	780.2	794.5	800.6	810.8	825.1	829.2	831.2
55°	694.4	702.6	710.7	716.9	721.0	733.2	741.4	753.6	761.8	765.9	770.0
57.5°	635.2	641.3	649.5	657.6	659.7	671.9	682.2	688.3	698.5	702.6	706.7
60°	578.0	584.1	590.2	592.3	598.4	610.7	620.9	625.0	635.2	639.3	641.3
62.5°	516.7	518.8	526.9	533.1	533.1	549.4	555.5	563.7	571.9	573.9	578.0
65°	459.5	463.6	463.6	467.7	473.8	484.0	488.1	498.3	504.5	506.5	508.6
67.5°	402.3	406.4	410.5	414.6	414.6	424.8	426.9	435.0	441.2	443.2	445.2
70°	347.2	347.2	353.3	357.4	355.4	363.5	367.6	371.7	379.9	381.9	384.0
72.5°	294.1	292.1	296.1	300.2	304.3	306.4	310.4	312.5	318.6	322.7	324.7
75°	241.0	243.0	243.0	245.1	243.0	245.1	251.2	257.3	261.4	263.5	267.6
77.5°	187.9	189.9	189.9	192.0	194.0	194.0	196.1	204.2	208.3	210.4	208.3
80°	138.9	140.9	140.9	143.0	145.0	147.1	147.1	151.1	157.3	159.3	159.3
82.5°	98.0	98.0	98.0	98.0	100.1	100.1	102.1	106.2	110.3	110.3	114.4
85°	59.2	59.2	57.2	59.2	57.2	59.2	61.3	65.4	67.4	67.4	69.4
87.5°	26.6	24.5	26.6	26.6	24.5	24.5	24.5	26.6	26.6	28.6	28.6
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: P571953

CATALOG NUMBER: 22ID-40-L840-SWR

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1486.8	1486.8	1486.8	1486.8
2.5°	1486.8	1486.8	1486.8	1486.8
5°	1482.8	1482.8	1482.8	1482.8
7.5°	1476.6	1476.6	1476.6	1476.6
10°	1468.5	1470.5	1470.5	1470.5
12.5°	1458.3	1458.3	1460.3	1460.3
15°	1446.0	1446.0	1446.0	1448.0
17.5°	1427.6	1429.7	1429.7	1429.7
20°	1407.2	1409.2	1409.2	1407.2
22.5°	1380.6	1382.7	1384.7	1384.7
25°	1354.1	1358.2	1360.2	1360.2
27.5°	1323.5	1327.5	1329.6	1329.6
30°	1290.8	1294.9	1294.9	1294.9
32.5°	1252.0	1258.1	1260.1	1260.1
35°	1211.1	1219.3	1221.3	1221.3
37.5°	1168.2	1172.3	1178.4	1178.4
40°	1121.3	1125.3	1131.5	1131.5
42.5°	1070.2	1078.4	1078.4	1082.5
45°	1015.1	1023.2	1025.3	1029.4
47.5°	959.9	968.1	970.1	972.2
50°	900.7	906.8	912.9	912.9
52.5°	841.5	845.5	849.6	853.7
55°	778.1	784.3	786.3	790.4
57.5°	712.8	721.0	723.0	727.1
60°	649.5	655.6	659.7	661.7
62.5°	586.2	590.2	592.3	596.4
65°	516.7	522.8	522.8	526.9
67.5°	453.4	457.5	459.5	461.6
70°	386.0	394.2	396.2	400.3
72.5°	326.8	334.9	334.9	339.0
75°	273.7	275.7	275.7	279.8
77.5°	216.5	218.5	220.6	222.6
80°	163.4	165.4	165.4	169.5
82.5°	116.4	116.4	116.4	118.5
85°	71.5	69.4	67.4	69.4
87.5°	28.6	28.6	30.6	26.6
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P571953

CATALOG NUMBER: 22ID-40-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	16.73	18.36	17.10	18.67	18.99	15.61	17.24	15.98	17.56	17.87
	3H	18.48	19.95	18.86	20.28	20.64	17.23	18.70	17.61	19.03	19.39
	4H	19.14	20.53	19.54	20.87	21.25	17.82	19.21	18.22	19.56	19.93
	6H	19.63	20.92	20.04	21.28	21.67	18.26	19.54	18.67	19.91	20.30
	8H	19.79	21.02	20.22	21.40	21.80	18.39	19.62	18.81	20.00	20.40
	12H	19.89	21.06	20.32	21.45	21.87	18.47	19.65	18.90	20.03	20.46
4H	2H	17.21	18.60	17.61	18.95	19.32	16.31	17.70	16.71	18.05	18.42
	3H	19.19	20.35	19.60	20.75	21.15	18.14	19.30	18.55	19.70	20.10
	4H	19.99	21.04	20.42	21.45	21.88	18.85	19.89	19.28	20.31	20.74
	6H	20.62	21.53	21.07	21.98	22.43	19.39	20.31	19.84	20.75	21.20
	8H	20.83	21.69	21.29	22.13	22.60	19.56	20.42	20.02	20.86	21.33
	12H	20.98	21.75	21.46	22.22	22.69	19.68	20.45	20.16	20.92	21.39
8H	4H	20.22	21.08	20.68	21.52	21.99	19.19	20.05	19.65	20.49	20.96
	6H	20.96	21.68	21.46	22.17	22.64	19.84	20.56	20.34	21.05	21.52
	8H	21.25	21.89	21.76	22.40	22.88	20.08	20.72	20.59	21.23	21.71
	12H	21.47	22.04	21.98	22.53	23.09	20.26	20.82	20.76	21.31	21.87
12H	4H	20.24	21.01	20.72	21.49	21.96	19.24	20.01	19.72	20.48	20.95
	6H	21.00	21.64	21.51	22.15	22.63	19.91	20.55	20.42	21.06	21.54
	8H	21.34	21.90	21.84	22.39	22.95	20.20	20.77	20.71	21.26	21.82