

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: P571957

Luminaire Tested: 22ID-40-L850-SWR

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P571957
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-L850-SWR
Description: 4000 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: 4236.0 lumens
Efficiency: N/A
Efficacy: 130.3 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

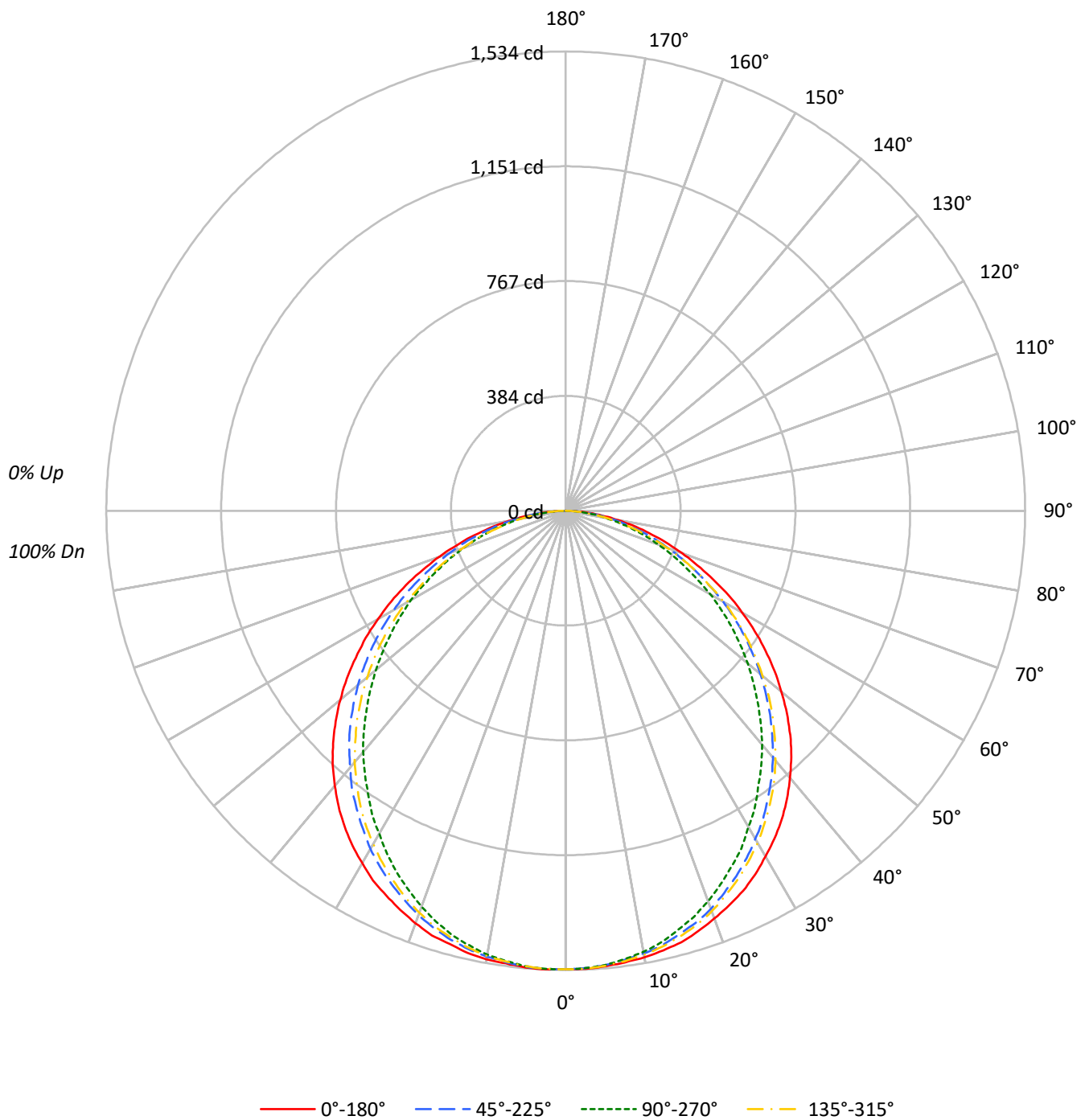
Input Watts (W): 32.5
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P571957

CATALOG NUMBER: 22ID-40-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°	4122	4122	4122	4122
5°	4126	4115	4138	4126
10°	4139	4088	4157	4116
15°	4156	4038	4173	4086
20°	4151	3977	4200	4031
25°	4160	3892	4211	3961
30°	4145	3792	4223	3870
35°	4133	3684	4230	3781
40°	4095	3584	4213	3695
45°	4035	3451	4180	3579
50°	3937	3321	4113	3462
55°	3820	3169	4017	3336
60°	3669	3000	3895	3204
65°	3456	2786	3751	3014
70°	3245	2582	3526	2847
75°	2996	2340	3281	2647
80°	2706	2053	2903	2380
85°	2208	1689	2272	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 4180 cd/sqm

TEST NUMBER: P571957

CATALOG NUMBER: 22ID-40-L850-SWR

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.1	3.4
10°-20°	416.3	9.8
20°-30°	628.3	14.8
30°-40°	750.2	17.7
40°-50°	765.5	18.1
50°-60°	675.1	15.9
60°-70°	498.9	11.8
70°-80°	281.3	6.6
80°-90°	75.3	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°	1189.7	28.1
0°-40°	1939.9	45.8
0°-60°	3380.5	79.8
0°-90°	4236.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4236.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1532	1532	1532	1532	1532	
5°	1528	1523	1532	1528	1528	145
15°	1492	1450	1498	1466	1492	421
25°	1401	1311	1418	1334	1401	645
35°	1258	1121	1288	1151	1258	786
45°	1060	907	1098	940	1060	817
55°	814	675	856	711	814	728
65°	543	438	589	473	543	539
75°	288	225	316	255	288	306
85°	72	55	74	65	72	84
90°	0	0	0	0	0	

TEST NUMBER: P571957

CATALOG NUMBER: 22ID-40-L850-SWR

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7
2.5°	1531.7	1531.7	1531.7	1531.7	1529.6	1527.5	1527.5	1529.6	1529.6	1527.5	1529.6
5°	1527.5	1527.5	1527.5	1525.4	1523.3	1523.3	1523.3	1523.3	1521.2	1523.3	1523.3
7.5°	1521.2	1521.2	1521.2	1519.1	1517.0	1517.0	1517.0	1514.9	1512.7	1514.9	1512.7
10°	1514.9	1512.7	1512.7	1512.7	1508.5	1506.4	1506.4	1506.4	1504.3	1504.3	1502.2
12.5°	1504.3	1502.2	1502.2	1500.1	1498.0	1495.9	1493.8	1491.7	1489.6	1487.5	1487.5
15°	1491.7	1491.7	1487.5	1485.4	1481.2	1479.1	1477.0	1474.9	1470.7	1468.6	1464.4
17.5°	1472.8	1472.8	1468.6	1466.5	1462.3	1458.0	1458.0	1453.8	1449.6	1445.4	1443.3
20°	1449.6	1451.7	1449.6	1445.4	1439.1	1437.0	1434.9	1430.7	1424.4	1420.2	1416.0
22.5°	1426.5	1428.6	1424.4	1418.1	1413.9	1411.8	1407.5	1401.2	1394.9	1388.6	1382.3
25°	1401.2	1399.1	1394.9	1390.7	1384.4	1382.3	1378.1	1371.8	1361.3	1354.9	1346.5
27.5°	1369.7	1369.7	1363.4	1359.2	1348.6	1348.6	1342.3	1333.9	1325.5	1315.0	1308.7
30°	1333.9	1333.9	1329.7	1323.4	1312.9	1310.8	1304.5	1298.1	1285.5	1275.0	1266.6
32.5°	1298.1	1296.0	1291.8	1285.5	1275.0	1270.8	1264.5	1256.1	1245.5	1230.8	1224.5
35°	1258.2	1256.1	1249.8	1241.3	1232.9	1228.7	1222.4	1211.9	1201.4	1186.6	1176.1
37.5°	1214.0	1211.9	1205.6	1197.2	1186.6	1182.4	1176.1	1165.6	1150.9	1140.3	1127.7
40°	1165.6	1163.5	1159.3	1150.9	1140.3	1136.1	1127.7	1117.2	1100.4	1087.7	1077.2
42.5°	1115.1	1113.0	1106.7	1096.2	1087.7	1083.5	1075.1	1064.6	1049.9	1035.1	1020.4
45°	1060.4	1058.3	1052.0	1039.4	1033.0	1026.7	1018.3	1007.8	995.2	982.5	965.7
47.5°	1001.5	999.4	995.2	984.7	972.0	969.9	961.5	951.0	936.3	919.4	906.8
50°	940.5	940.5	934.2	925.7	917.3	911.0	902.6	892.1	873.1	862.6	847.9
52.5°	879.5	877.4	873.1	862.6	856.3	850.0	839.5	833.2	814.2	805.8	789.0
55°	814.2	812.1	803.7	797.4	793.2	786.9	778.5	765.8	755.3	742.7	728.0
57.5°	749.0	746.9	740.6	736.4	728.0	721.7	713.2	704.8	690.1	681.7	667.0
60°	681.7	681.7	677.5	671.2	662.7	656.4	650.1	641.7	629.1	616.5	605.9
62.5°	614.4	614.4	608.0	601.7	597.5	591.2	587.0	576.5	566.0	557.5	540.7
65°	542.8	542.8	534.4	532.3	528.1	523.9	517.6	507.1	500.7	486.0	479.7
67.5°	475.5	477.6	471.3	471.3	465.0	460.8	454.5	446.0	439.7	427.1	420.8
70°	412.4	414.5	410.3	408.2	401.9	397.6	393.4	387.1	378.7	374.5	364.0
72.5°	349.3	351.4	347.2	347.2	340.8	338.7	334.5	330.3	321.9	317.7	307.2
75°	288.2	286.1	286.1	288.2	281.9	279.8	277.7	269.3	265.1	260.9	252.5
77.5°	229.3	229.3	231.4	229.3	225.1	223.0	218.8	212.5	210.4	208.3	199.9
80°	174.6	176.7	176.7	174.6	170.4	168.3	166.2	159.9	157.8	157.8	151.5
82.5°	122.0	122.0	119.9	122.0	117.8	115.7	117.8	111.5	109.4	109.4	105.2
85°	71.5	69.4	69.4	71.5	69.4	69.4	69.4	65.2	65.2	65.2	61.0
87.5°	27.4	27.4	29.5	29.5	27.4	27.4	27.4	27.4	25.2	25.2	23.1
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: P571957

CATALOG NUMBER: 22ID-40-L850-SWR

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7
2.5°	1527.5	1527.5	1527.5	1527.5	1529.6	1527.5	1529.6	1529.6	1531.7	1529.6	1531.7
5°	1523.3	1523.3	1521.2	1521.2	1521.2	1521.2	1521.2	1521.2	1521.2	1523.3	1523.3
7.5°	1512.7	1512.7	1510.6	1510.6	1510.6	1510.6	1508.5	1508.5	1510.6	1510.6	1510.6
10°	1500.1	1498.0	1495.9	1495.9	1495.9	1495.9	1493.8	1495.9	1495.9	1495.9	1495.9
12.5°	1481.2	1481.2	1479.1	1477.0	1477.0	1477.0	1474.9	1477.0	1477.0	1477.0	1477.0
15°	1462.3	1460.1	1458.0	1453.8	1453.8	1451.7	1449.6	1451.7	1449.6	1449.6	1451.7
17.5°	1434.9	1434.9	1430.7	1428.6	1426.5	1424.4	1422.3	1422.3	1422.3	1422.3	1426.5
20°	1407.5	1405.4	1401.2	1392.8	1394.9	1392.8	1388.6	1390.7	1390.7	1388.6	1388.6
22.5°	1378.1	1369.7	1365.5	1357.1	1359.2	1354.9	1352.8	1354.9	1352.8	1350.7	1354.9
25°	1338.1	1333.9	1323.4	1323.4	1319.2	1317.1	1317.1	1315.0	1312.9	1310.8	1315.0
27.5°	1302.4	1293.9	1287.6	1279.2	1275.0	1275.0	1272.9	1270.8	1266.6	1270.8	1270.8
30°	1258.2	1249.8	1239.2	1235.0	1230.8	1230.8	1226.6	1224.5	1220.3	1220.3	1226.6
32.5°	1216.1	1203.5	1192.9	1186.6	1184.5	1182.4	1180.3	1171.9	1174.0	1176.1	1178.2
35°	1165.6	1155.1	1146.7	1140.3	1134.0	1131.9	1129.8	1123.5	1123.5	1121.4	1127.7
37.5°	1117.2	1104.6	1098.3	1087.7	1083.5	1079.3	1077.2	1073.0	1070.9	1073.0	1075.1
40°	1064.6	1054.1	1043.6	1033.0	1028.8	1026.7	1020.4	1020.4	1016.2	1020.4	1020.4
42.5°	1009.9	999.4	986.8	978.3	974.1	969.9	965.7	963.6	963.6	963.6	965.7
45°	955.2	942.6	929.9	921.5	917.3	915.2	908.9	906.8	902.6	906.8	908.9
47.5°	896.3	885.8	873.1	866.8	860.5	858.4	852.1	847.9	845.8	850.0	850.0
50°	837.4	826.9	816.3	807.9	801.6	799.5	793.2	793.2	789.0	793.2	793.2
52.5°	778.5	767.9	757.4	746.9	742.7	740.6	734.3	734.3	734.3	734.3	734.3
55°	719.6	704.8	698.5	688.0	683.8	681.7	679.6	673.3	675.4	675.4	675.4
57.5°	658.5	648.0	635.4	631.2	624.9	622.8	622.8	614.4	612.3	616.5	616.5
60°	597.5	589.1	576.5	570.2	566.0	566.0	559.7	551.2	549.1	557.5	557.5
62.5°	534.4	521.8	515.5	509.2	505.0	502.8	500.7	494.4	496.5	494.4	494.4
65°	475.5	462.9	458.7	452.4	448.1	446.0	443.9	439.7	435.5	437.6	437.6
67.5°	416.6	406.1	399.8	395.5	391.3	391.3	387.1	382.9	385.0	382.9	382.9
70°	359.8	351.4	342.9	340.8	336.6	336.6	334.5	332.4	330.3	328.2	328.2
72.5°	305.1	296.7	290.3	286.1	284.0	284.0	281.9	275.6	277.7	275.6	275.6
75°	248.3	242.0	239.9	235.6	233.5	233.5	231.4	227.2	229.3	225.1	220.9
77.5°	197.8	191.5	189.4	187.3	189.4	187.3	180.9	183.0	180.9	176.7	176.7
80°	151.5	145.2	145.2	141.0	138.9	138.9	136.8	136.8	134.7	132.5	132.5
82.5°	103.1	101.0	98.9	96.8	94.7	98.9	94.7	92.6	92.6	92.6	90.5
85°	58.9	58.9	56.8	56.8	54.7	56.8	54.7	52.6	54.7	54.7	50.5
87.5°	23.1	25.2	21.0	21.0	21.0	21.0	18.9	21.0	21.0	21.0	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

TEST NUMBER: P571957

CATALOG NUMBER: 22ID-40-L850-SWR

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7
2.5°	1531.7	1529.6	1529.6	1529.6	1529.6	1527.5	1529.6	1529.6	1531.7	1529.6	1529.6
5°	1523.3	1521.2	1523.3	1521.2	1521.2	1523.3	1523.3	1525.4	1525.4	1527.5	1527.5
7.5°	1510.6	1510.6	1510.6	1510.6	1510.6	1512.7	1512.7	1514.9	1517.0	1517.0	1519.1
10°	1495.9	1495.9	1498.0	1495.9	1498.0	1500.1	1502.2	1504.3	1506.4	1508.5	1508.5
12.5°	1477.0	1477.0	1477.0	1481.2	1481.2	1483.3	1485.4	1489.6	1491.7	1495.9	1495.9
15°	1451.7	1451.7	1455.9	1455.9	1458.0	1462.3	1466.5	1468.6	1472.8	1477.0	1479.1
17.5°	1424.4	1424.4	1428.6	1428.6	1430.7	1437.0	1441.2	1443.3	1451.7	1455.9	1460.1
20°	1392.8	1392.8	1399.1	1397.0	1401.2	1407.5	1411.8	1418.1	1424.4	1430.7	1434.9
22.5°	1354.9	1357.1	1363.4	1363.4	1365.5	1373.9	1380.2	1386.5	1392.8	1401.2	1407.5
25°	1315.0	1317.1	1323.4	1325.5	1327.6	1336.0	1344.4	1348.6	1359.2	1369.7	1373.9
27.5°	1270.8	1275.0	1279.2	1281.3	1285.5	1296.0	1304.5	1312.9	1321.3	1331.8	1340.2
30°	1226.6	1230.8	1235.0	1237.1	1241.3	1251.9	1260.3	1270.8	1281.3	1291.8	1300.2
32.5°	1176.1	1182.4	1186.6	1190.8	1192.9	1205.6	1216.1	1226.6	1237.1	1249.8	1260.3
35°	1127.7	1134.0	1138.2	1140.3	1144.6	1157.2	1165.6	1176.1	1190.8	1203.5	1214.0
37.5°	1075.1	1079.3	1087.7	1087.7	1092.0	1106.7	1117.2	1127.7	1142.4	1155.1	1167.7
40°	1022.5	1024.6	1033.0	1035.1	1039.4	1054.1	1064.6	1079.3	1089.9	1104.6	1117.2
42.5°	965.7	972.0	980.4	984.7	988.9	997.3	1005.7	1022.5	1033.0	1049.9	1062.5
45°	908.9	915.2	919.4	921.5	932.1	940.5	948.9	965.7	978.3	993.1	1007.8
47.5°	852.1	856.3	862.6	871.0	875.2	883.7	890.0	906.8	919.4	936.3	948.9
50°	793.2	799.5	803.7	805.8	814.2	824.8	833.2	847.9	858.4	875.2	890.0
52.5°	734.3	742.7	742.7	751.1	755.3	759.5	772.2	786.9	797.4	812.1	826.9
55°	677.5	681.7	688.0	690.1	696.4	700.6	709.0	723.8	736.4	751.1	765.8
57.5°	614.4	618.6	622.8	631.2	635.4	643.8	652.2	662.7	673.3	688.0	698.5
60°	553.3	559.7	563.9	570.2	570.2	580.7	591.2	601.7	610.1	624.9	635.4
62.5°	498.6	498.6	498.6	507.1	505.0	513.4	521.8	534.4	542.8	561.8	574.4
65°	439.7	441.8	441.8	448.1	446.0	454.5	460.8	473.4	481.8	492.3	505.0
67.5°	382.9	382.9	385.0	391.3	389.2	395.5	406.1	412.4	418.7	431.3	441.8
70°	324.0	326.1	328.2	334.5	332.4	340.8	347.2	351.4	359.8	368.2	376.6
72.5°	273.5	273.5	279.8	279.8	277.7	284.0	290.3	294.6	298.8	309.3	319.8
75°	225.1	223.0	227.2	227.2	225.1	227.2	231.4	237.7	242.0	250.4	258.8
77.5°	176.7	174.6	178.8	178.8	178.8	176.7	183.0	185.1	187.3	191.5	199.9
80°	130.4	128.3	132.5	132.5	128.3	130.4	134.7	136.8	136.8	141.0	147.3
82.5°	90.5	88.4	90.5	90.5	90.5	90.5	92.6	90.5	92.6	92.6	98.9
85°	54.7	52.6	54.7	52.6	52.6	50.5	54.7	52.6	52.6	54.7	54.7
87.5°	18.9	18.9	21.0	21.0	18.9	21.0	18.9	18.9	18.9	21.0	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

TEST NUMBER: P571957

CATALOG NUMBER: 22ID-40-L850-SWR

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7
2.5°	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1533.8	1533.8	1531.7	1533.8	1531.7
5°	1527.5	1527.5	1529.6	1529.6	1529.6	1529.6	1529.6	1531.7	1531.7	1531.7	1529.6
7.5°	1521.2	1521.2	1521.2	1521.2	1523.3	1525.4	1525.4	1525.4	1527.5	1525.4	1525.4
10°	1510.6	1514.9	1514.9	1517.0	1517.0	1519.1	1521.2	1521.2	1521.2	1521.2	1521.2
12.5°	1500.1	1502.2	1504.3	1506.4	1508.5	1508.5	1512.7	1512.7	1512.7	1512.7	1510.6
15°	1483.3	1487.5	1489.6	1491.7	1495.9	1495.9	1500.1	1498.0	1502.2	1500.1	1498.0
17.5°	1464.4	1468.6	1472.8	1472.8	1479.1	1481.2	1485.4	1487.5	1487.5	1485.4	1481.2
20°	1441.2	1447.5	1449.6	1453.8	1458.0	1462.3	1464.4	1466.5	1468.6	1466.5	1464.4
22.5°	1413.9	1422.3	1424.4	1428.6	1434.9	1439.1	1441.2	1443.3	1445.4	1445.4	1441.2
25°	1384.4	1394.9	1394.9	1401.2	1407.5	1413.9	1418.1	1418.1	1422.3	1418.1	1418.1
27.5°	1348.6	1361.3	1367.6	1369.7	1378.1	1384.4	1388.6	1392.8	1392.8	1388.6	1388.6
30°	1312.9	1325.5	1331.8	1333.9	1344.4	1350.7	1354.9	1359.2	1359.2	1359.2	1354.9
32.5°	1272.9	1287.6	1293.9	1296.0	1308.7	1315.0	1321.3	1325.5	1325.5	1323.4	1317.1
35°	1230.8	1241.3	1251.9	1256.1	1266.6	1272.9	1283.4	1287.6	1285.5	1285.5	1279.2
37.5°	1182.4	1199.3	1205.6	1209.8	1222.4	1230.8	1241.3	1245.5	1245.5	1243.4	1239.2
40°	1131.9	1150.9	1157.2	1163.5	1176.1	1186.6	1192.9	1199.3	1199.3	1199.3	1195.0
42.5°	1081.4	1096.2	1104.6	1110.9	1125.6	1131.9	1142.4	1150.9	1150.9	1148.8	1142.4
45°	1024.6	1041.5	1049.9	1056.2	1070.9	1083.5	1089.9	1098.3	1096.2	1096.2	1087.7
47.5°	967.8	984.7	993.1	999.4	1014.1	1028.8	1033.0	1041.5	1041.5	1041.5	1033.0
50°	908.9	925.7	932.1	938.4	955.2	963.6	974.1	982.5	982.5	984.7	976.2
52.5°	847.9	860.5	871.0	875.2	892.1	902.6	911.0	921.5	921.5	917.3	917.3
55°	782.7	797.4	807.9	812.1	824.8	841.6	847.9	856.3	856.3	856.3	852.1
57.5°	717.4	734.3	742.7	746.9	761.6	774.3	782.7	791.1	793.2	793.2	784.8
60°	650.1	667.0	675.4	679.6	696.4	706.9	715.3	723.8	725.9	728.0	719.6
62.5°	587.0	601.7	610.1	614.4	627.0	635.4	645.9	656.4	658.5	658.5	654.3
65°	517.6	532.3	538.6	542.8	553.3	568.1	580.7	589.1	591.2	589.1	589.1
67.5°	452.4	465.0	473.4	475.5	486.0	500.7	507.1	515.5	517.6	517.6	515.5
70°	387.1	401.9	408.2	412.4	420.8	433.4	439.7	448.1	450.2	452.4	448.1
72.5°	326.1	336.6	342.9	347.2	357.7	368.2	372.4	380.8	385.0	385.0	380.8
75°	265.1	275.6	279.8	284.0	292.5	303.0	307.2	315.6	319.8	317.7	317.7
77.5°	206.2	214.6	218.8	220.9	227.2	239.9	242.0	250.4	250.4	252.5	252.5
80°	151.5	157.8	162.0	164.1	168.3	176.7	180.9	187.3	191.5	189.4	189.4
82.5°	101.0	105.2	109.4	113.6	113.6	122.0	122.0	128.3	128.3	132.5	130.4
85°	56.8	58.9	61.0	63.1	63.1	69.4	69.4	73.6	77.8	73.6	73.6
87.5°	18.9	21.0	21.0	23.1	21.0	25.2	23.1	27.4	29.5	29.5	27.4
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: P571957

CATALOG NUMBER: 22ID-40-L850-SWR

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7
2.5°	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7
5°	1529.6	1529.6	1527.5	1529.6	1529.6	1529.6	1529.6	1527.5	1527.5	1527.5	1527.5
7.5°	1525.4	1523.3	1523.3	1523.3	1521.2	1521.2	1521.2	1521.2	1519.1	1519.1	1519.1
10°	1519.1	1517.0	1517.0	1517.0	1514.9	1514.9	1512.7	1510.6	1510.6	1508.5	1506.4
12.5°	1510.6	1508.5	1506.4	1506.4	1504.3	1502.2	1500.1	1498.0	1495.9	1491.7	1491.7
15°	1495.9	1495.9	1493.8	1491.7	1487.5	1487.5	1483.3	1481.2	1477.0	1472.8	1472.8
17.5°	1481.2	1479.1	1477.0	1472.8	1468.6	1466.5	1462.3	1458.0	1453.8	1449.6	1447.5
20°	1462.3	1455.9	1458.0	1451.7	1447.5	1443.3	1437.0	1432.8	1426.5	1422.3	1418.1
22.5°	1437.0	1434.9	1432.8	1426.5	1420.2	1418.1	1407.5	1401.2	1394.9	1388.6	1384.4
25°	1409.7	1407.5	1405.4	1399.1	1390.7	1386.5	1376.0	1369.7	1359.2	1354.9	1350.7
27.5°	1378.1	1378.1	1373.9	1365.5	1359.2	1348.6	1342.3	1329.7	1321.3	1315.0	1310.8
30°	1344.4	1344.4	1340.2	1329.7	1321.3	1310.8	1304.5	1291.8	1281.3	1275.0	1266.6
32.5°	1310.8	1308.7	1304.5	1293.9	1283.4	1272.9	1260.3	1249.8	1237.1	1230.8	1222.4
35°	1270.8	1268.7	1264.5	1251.9	1243.4	1230.8	1216.1	1203.5	1190.8	1184.5	1171.9
37.5°	1228.7	1224.5	1220.3	1205.6	1195.0	1182.4	1171.9	1155.1	1142.4	1134.0	1127.7
40°	1182.4	1180.3	1174.0	1161.4	1146.7	1134.0	1119.3	1106.7	1094.1	1083.5	1075.1
42.5°	1136.1	1127.7	1123.5	1110.9	1100.4	1081.4	1070.9	1054.1	1041.5	1033.0	1020.4
45°	1083.5	1077.2	1070.9	1058.3	1043.6	1028.8	1018.3	999.4	986.8	976.2	965.7
47.5°	1024.6	1022.5	1016.2	1001.5	988.9	974.1	961.5	942.6	929.9	921.5	911.0
50°	965.7	963.6	959.4	944.7	927.8	915.2	904.7	885.8	873.1	860.5	854.2
52.5°	911.0	902.6	898.4	885.8	868.9	854.2	845.8	826.9	814.2	801.6	793.2
55°	847.9	841.6	837.4	826.9	812.1	793.2	784.8	767.9	757.4	749.0	736.4
57.5°	784.8	776.4	772.2	759.5	749.0	734.3	723.8	706.9	696.4	688.0	679.6
60°	713.2	713.2	709.0	696.4	685.9	671.2	662.7	645.9	635.4	629.1	618.6
62.5°	654.3	645.9	643.8	629.1	622.8	608.0	601.7	587.0	580.7	570.2	559.7
65°	580.7	580.7	578.6	570.2	561.8	542.8	534.4	521.8	515.5	507.1	498.6
67.5°	515.5	509.2	509.2	500.7	490.2	479.7	473.4	460.8	456.6	446.0	439.7
70°	450.2	443.9	443.9	433.4	427.1	416.6	412.4	401.9	393.4	389.2	382.9
72.5°	385.0	380.8	378.7	370.3	366.1	355.6	353.5	342.9	334.5	332.4	326.1
75°	319.8	315.6	309.3	311.4	303.0	294.6	292.5	286.1	281.9	275.6	269.3
77.5°	254.6	250.4	250.4	246.2	242.0	235.6	233.5	229.3	223.0	218.8	214.6
80°	193.6	189.4	189.4	187.3	180.9	176.7	176.7	170.4	170.4	166.2	164.1
82.5°	132.5	130.4	128.3	130.4	126.2	122.0	124.1	122.0	119.9	115.7	113.6
85°	77.8	75.7	73.6	77.8	73.6	75.7	73.6	71.5	71.5	69.4	67.3
87.5°	29.5	29.5	27.4	29.5	29.5	31.6	29.5	29.5	29.5	29.5	29.5
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: P571957

CATALOG NUMBER: 22ID-40-L850-SWR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7
2.5°	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7
5°	1527.5	1527.5	1527.5	1527.5	1527.5	1527.5	1527.5	1527.5	1527.5	1525.4	1527.5
7.5°	1519.1	1517.0	1519.1	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0
10°	1506.4	1506.4	1506.4	1506.4	1506.4	1506.4	1506.4	1506.4	1506.4	1504.3	1504.3
12.5°	1491.7	1491.7	1489.6	1489.6	1489.6	1487.5	1487.5	1489.6	1489.6	1487.5	1489.6
15°	1470.7	1472.8	1468.6	1466.5	1466.5	1466.5	1466.5	1466.5	1466.5	1466.5	1468.6
17.5°	1447.5	1445.4	1443.3	1443.3	1441.2	1439.1	1439.1	1441.2	1441.2	1443.3	1443.3
20°	1418.1	1418.1	1413.9	1411.8	1409.7	1407.5	1407.5	1409.7	1409.7	1409.7	1413.9
22.5°	1384.4	1382.3	1378.1	1376.0	1376.0	1371.8	1373.9	1376.0	1376.0	1376.0	1378.1
25°	1346.5	1344.4	1342.3	1340.2	1336.0	1333.9	1333.9	1338.1	1338.1	1342.3	1344.4
27.5°	1306.6	1304.5	1300.2	1296.0	1293.9	1291.8	1291.8	1296.0	1296.0	1300.2	1302.4
30°	1264.5	1262.4	1256.1	1254.0	1247.6	1245.5	1247.6	1251.9	1254.0	1256.1	1258.2
32.5°	1220.3	1216.1	1209.8	1207.7	1201.4	1203.5	1199.3	1205.6	1207.7	1209.8	1211.9
35°	1171.9	1167.7	1161.4	1155.1	1153.0	1150.9	1150.9	1155.1	1155.1	1161.4	1163.5
37.5°	1119.3	1117.2	1110.9	1106.7	1102.5	1102.5	1098.3	1104.6	1106.7	1110.9	1110.9
40°	1070.9	1068.8	1058.3	1054.1	1049.9	1052.0	1045.7	1052.0	1054.1	1058.3	1060.4
42.5°	1014.1	1012.0	1003.6	999.4	995.2	997.3	991.0	997.3	995.2	1001.5	1003.6
45°	959.4	957.3	951.0	942.6	938.4	940.5	940.5	940.5	938.4	944.7	946.8
47.5°	904.7	900.5	894.2	885.8	881.6	883.7	883.7	883.7	881.6	890.0	890.0
50°	847.9	843.7	837.4	829.0	826.9	826.9	826.9	826.9	826.9	831.1	833.2
52.5°	789.0	786.9	780.6	772.2	767.9	767.9	767.9	763.7	767.9	770.0	772.2
55°	730.1	728.0	717.4	713.2	709.0	711.1	709.0	706.9	706.9	711.1	713.2
57.5°	671.2	669.1	662.7	660.6	650.1	652.2	650.1	650.1	652.2	652.2	654.3
60°	612.3	610.1	603.8	601.7	593.3	595.4	587.0	591.2	593.3	593.3	593.3
62.5°	549.1	549.1	538.6	534.4	530.2	532.3	526.0	526.0	526.0	530.2	530.2
65°	492.3	490.2	481.8	477.6	473.4	473.4	469.2	469.2	467.1	471.3	471.3
67.5°	433.4	433.4	425.0	420.8	416.6	418.7	412.4	412.4	414.5	414.5	414.5
70°	376.6	376.6	370.3	368.2	361.9	361.9	355.6	357.7	357.7	357.7	357.7
72.5°	321.9	321.9	315.6	313.5	307.2	307.2	300.9	303.0	303.0	300.9	300.9
75°	267.2	269.3	258.8	256.7	252.5	254.6	250.4	248.3	250.4	246.2	246.2
77.5°	212.5	212.5	210.4	208.3	202.0	202.0	199.9	195.7	197.8	193.6	193.6
80°	159.9	162.0	155.7	157.8	151.5	153.6	151.5	147.3	147.3	145.2	143.1
82.5°	111.5	111.5	109.4	111.5	109.4	107.3	105.2	103.1	103.1	98.9	98.9
85°	67.3	69.4	65.2	67.3	67.3	65.2	61.0	61.0	61.0	58.9	58.9
87.5°	27.4	31.6	29.5	29.5	29.5	29.5	27.4	29.5	27.4	25.2	25.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571957

CATALOG NUMBER: 22ID-40-L850-SWR

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7
2.5°	1529.6	1531.7	1531.7	1531.7	1531.7	1529.6	1529.6	1529.6	1529.6	1529.6	1531.7
5°	1525.4	1527.5	1527.5	1527.5	1527.5	1527.5	1527.5	1527.5	1527.5	1527.5	1527.5
7.5°	1517.0	1517.0	1519.1	1519.1	1519.1	1519.1	1521.2	1519.1	1521.2	1519.1	1521.2
10°	1504.3	1506.4	1508.5	1508.5	1510.6	1508.5	1510.6	1510.6	1512.7	1512.7	1512.7
12.5°	1489.6	1491.7	1491.7	1495.9	1495.9	1495.9	1498.0	1498.0	1500.1	1502.2	1502.2
15°	1468.6	1470.7	1472.8	1472.8	1477.0	1481.2	1481.2	1483.3	1485.4	1487.5	1487.5
17.5°	1443.3	1445.4	1447.5	1451.7	1455.9	1460.1	1462.3	1462.3	1466.5	1468.6	1468.6
20°	1413.9	1418.1	1422.3	1426.5	1428.6	1434.9	1437.0	1439.1	1443.3	1447.5	1447.5
22.5°	1382.3	1384.4	1390.7	1394.9	1399.1	1405.4	1407.5	1413.9	1418.1	1420.2	1422.3
25°	1344.4	1348.6	1354.9	1359.2	1363.4	1371.8	1378.1	1382.3	1388.6	1392.8	1392.8
27.5°	1302.4	1308.7	1315.0	1319.2	1325.5	1336.0	1342.3	1346.5	1354.9	1359.2	1361.3
30°	1260.3	1264.5	1272.9	1279.2	1285.5	1296.0	1304.5	1310.8	1319.2	1323.4	1325.5
32.5°	1214.0	1220.3	1228.7	1235.0	1243.4	1254.0	1262.4	1268.7	1281.3	1283.4	1285.5
35°	1165.6	1171.9	1178.2	1188.7	1197.2	1207.7	1218.2	1226.6	1232.9	1241.3	1243.4
37.5°	1115.1	1121.4	1129.8	1138.2	1146.7	1159.3	1169.8	1176.1	1186.6	1192.9	1197.2
40°	1062.5	1068.8	1079.3	1089.9	1096.2	1108.8	1119.3	1127.7	1142.4	1146.7	1146.7
42.5°	1005.7	1014.1	1020.4	1033.0	1039.4	1054.1	1064.6	1077.2	1085.6	1092.0	1094.1
45°	951.0	957.3	969.9	978.3	984.7	999.4	1009.9	1020.4	1030.9	1035.1	1039.4
47.5°	892.1	900.5	911.0	915.2	925.7	940.5	951.0	961.5	974.1	978.3	980.4
50°	835.3	841.6	847.9	856.3	864.7	879.5	892.1	902.6	913.1	917.3	919.4
52.5°	776.4	782.7	789.0	799.5	803.7	818.4	824.8	835.3	850.0	854.2	856.3
55°	715.3	723.8	732.2	738.5	742.7	755.3	763.7	776.4	784.8	789.0	793.2
57.5°	654.3	660.6	669.1	677.5	679.6	692.2	702.7	709.0	719.6	723.8	728.0
60°	595.4	601.7	608.0	610.1	616.5	629.1	639.6	643.8	654.3	658.5	660.6
62.5°	532.3	534.4	542.8	549.1	549.1	566.0	572.3	580.7	589.1	591.2	595.4
65°	473.4	477.6	477.6	481.8	488.1	498.6	502.8	513.4	519.7	521.8	523.9
67.5°	414.5	418.7	422.9	427.1	427.1	437.6	439.7	448.1	454.5	456.6	458.7
70°	357.7	357.7	364.0	368.2	366.1	374.5	378.7	382.9	391.3	393.4	395.5
72.5°	303.0	300.9	305.1	309.3	313.5	315.6	319.8	321.9	328.2	332.4	334.5
75°	248.3	250.4	250.4	252.5	250.4	252.5	258.8	265.1	269.3	271.4	275.6
77.5°	193.6	195.7	195.7	197.8	199.9	199.9	202.0	210.4	214.6	216.7	214.6
80°	143.1	145.2	145.2	147.3	149.4	151.5	151.5	155.7	162.0	164.1	164.1
82.5°	101.0	101.0	101.0	101.0	103.1	103.1	105.2	109.4	113.6	113.6	117.8
85°	61.0	61.0	58.9	61.0	58.9	61.0	63.1	67.3	69.4	69.4	71.5
87.5°	27.4	25.2	27.4	27.4	25.2	25.2	25.2	27.4	27.4	29.5	29.5
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: P571957

CATALOG NUMBER: 22ID-40-L850-SWR

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1531.7	1531.7	1531.7	1531.7
2.5°	1531.7	1531.7	1531.7	1531.7
5°	1527.5	1527.5	1527.5	1527.5
7.5°	1521.2	1521.2	1521.2	1521.2
10°	1512.7	1514.9	1514.9	1514.9
12.5°	1502.2	1502.2	1504.3	1504.3
15°	1489.6	1489.6	1489.6	1491.7
17.5°	1470.7	1472.8	1472.8	1472.8
20°	1449.6	1451.7	1451.7	1449.6
22.5°	1422.3	1424.4	1426.5	1426.5
25°	1394.9	1399.1	1401.2	1401.2
27.5°	1363.4	1367.6	1369.7	1369.7
30°	1329.7	1333.9	1333.9	1333.9
32.5°	1289.7	1296.0	1298.1	1298.1
35°	1247.6	1256.1	1258.2	1258.2
37.5°	1203.5	1207.7	1214.0	1214.0
40°	1155.1	1159.3	1165.6	1165.6
42.5°	1102.5	1110.9	1110.9	1115.1
45°	1045.7	1054.1	1056.2	1060.4
47.5°	988.9	997.3	999.4	1001.5
50°	927.8	934.2	940.5	940.5
52.5°	866.8	871.0	875.2	879.5
55°	801.6	807.9	810.0	814.2
57.5°	734.3	742.7	744.8	749.0
60°	669.1	675.4	679.6	681.7
62.5°	603.8	608.0	610.1	614.4
65°	532.3	538.6	538.6	542.8
67.5°	467.1	471.3	473.4	475.5
70°	397.6	406.1	408.2	412.4
72.5°	336.6	345.0	345.0	349.3
75°	281.9	284.0	284.0	288.2
77.5°	223.0	225.1	227.2	229.3
80°	168.3	170.4	170.4	174.6
82.5°	119.9	119.9	119.9	122.0
85°	73.6	71.5	69.4	71.5
87.5°	29.5	29.5	31.6	27.4
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P571957

CATALOG NUMBER: 22ID-40-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	16.83	18.46	17.20	18.78	19.09	15.72	17.34	16.08	17.66	17.97
	3H	18.59	20.06	18.96	20.38	20.74	17.34	18.81	17.71	19.13	19.49
	4H	19.24	20.63	19.64	20.98	21.35	17.93	19.31	18.33	19.66	20.04
	6H	19.74	21.02	20.15	21.38	21.77	18.36	19.64	18.77	20.01	20.40
	8H	19.89	21.12	20.32	21.51	21.91	18.49	19.72	18.92	20.11	20.51
	12H	19.99	21.17	20.42	21.55	21.98	18.58	19.75	19.00	20.13	20.56
4H	2H	17.32	18.70	17.72	19.05	19.43	16.42	17.80	16.82	18.15	18.52
	3H	19.30	20.46	19.70	20.85	21.25	18.24	19.40	18.65	19.80	20.20
	4H	20.09	21.14	20.52	21.55	21.99	18.95	20.00	19.38	20.41	20.85
	6H	20.72	21.64	21.18	22.08	22.53	19.49	20.41	19.95	20.85	21.31
	8H	20.93	21.79	21.39	22.23	22.70	19.66	20.52	20.12	20.96	21.43
	12H	21.08	21.85	21.56	22.32	22.79	19.78	20.55	20.26	21.03	21.50
8H	4H	20.32	21.18	20.78	21.62	22.09	19.30	20.15	19.76	20.60	21.06
	6H	21.07	21.78	21.56	22.27	22.74	19.95	20.66	20.44	21.15	21.62
	8H	21.35	21.99	21.86	22.50	22.99	20.18	20.82	20.69	21.33	21.81
	12H	21.58	22.14	22.08	22.63	23.19	20.36	20.93	20.87	21.42	21.98
12H	4H	20.34	21.11	20.82	21.59	22.06	19.34	20.11	19.82	20.59	21.05
	6H	21.10	21.74	21.61	22.25	22.73	20.01	20.65	20.52	21.16	21.65
	8H	21.44	22.01	21.95	22.50	23.06	20.30	20.87	20.81	21.36	21.92