

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: P571973

Luminaire Tested: 22ID-45-L850-SWR

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P571973
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-45-L850-SWR
Description: 4500 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: 4777.0 lumens
Efficiency: N/A
Efficacy: 128.4 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

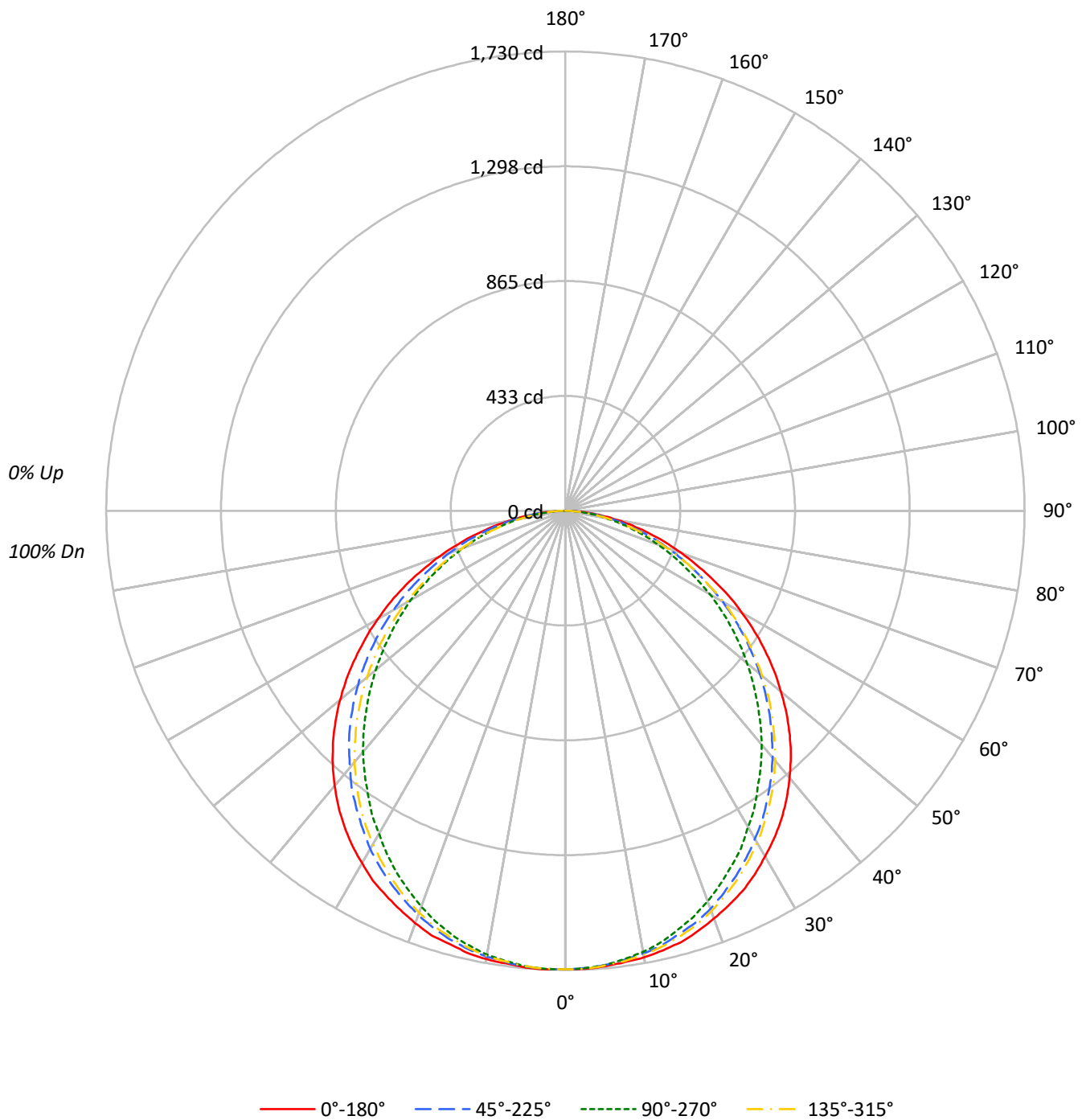
Input Watts (W): 37.2
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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CATALOG NUMBER: 22ID-45-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		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°	4648	4648	4648	4648
5°	4653	4640	4666	4653
10°	4668	4610	4687	4642
15°	4686	4554	4706	4607
20°	4682	4485	4736	4546
25°	4692	4389	4748	4467
30°	4674	4276	4763	4364
35°	4661	4154	4770	4263
40°	4618	4042	4751	4167
45°	4551	3892	4713	4036
50°	4440	3745	4639	3904
55°	4308	3573	4531	3763
60°	4137	3384	4393	3614
65°	3897	3142	4230	3399
70°	3659	2912	3976	3211
75°	3380	2640	3700	2985
80°	3051	2317	3273	2684
85°	2492	1905	2563	2272

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 4713 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.6	3.4
10°-20°	469.4	9.8
20°-30°	708.6	14.8
30°-40°	846.0	17.7
40°-50°	863.3	18.1
50°-60°	761.3	15.9
60°-70°	562.6	11.8
70°-80°	317.2	6.6
80°-90°	84.9	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°	1341.6	28.1
0°-40°	2187.6	45.8
0°-60°	3812.2	79.8
0°-90°	4777.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4777.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1727	1727	1727	1727	1727	
5°	1723	1718	1727	1723	1723	164
15°	1682	1635	1689	1654	1682	475
25°	1580	1478	1599	1504	1580	728
35°	1419	1265	1452	1298	1419	887
45°	1196	1023	1238	1061	1196	921
55°	918	762	966	802	918	820
65°	612	494	664	534	612	608
75°	325	254	356	287	325	345
85°	81	62	83	74	81	95
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°	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3
2.5°	1727.3	1727.3	1727.3	1727.3	1724.9	1722.6	1722.6	1724.9	1724.9	1722.6	1724.9
5°	1722.6	1722.6	1722.6	1720.2	1717.8	1717.8	1717.8	1717.8	1715.4	1717.8	1717.8
7.5°	1715.4	1715.4	1715.4	1713.1	1710.7	1710.7	1710.7	1708.3	1705.9	1708.3	1705.9
10°	1708.3	1705.9	1705.9	1705.9	1701.2	1698.8	1698.8	1698.8	1696.5	1696.5	1694.1
12.5°	1696.5	1694.1	1694.1	1691.7	1689.3	1687.0	1684.6	1682.2	1679.8	1677.5	1677.5
15°	1682.2	1682.2	1677.5	1675.1	1670.4	1668.0	1665.6	1663.2	1658.5	1656.1	1651.4
17.5°	1660.9	1660.9	1656.1	1653.7	1649.0	1644.3	1644.3	1639.5	1634.8	1630.0	1627.6
20°	1634.8	1637.1	1634.8	1630.0	1622.9	1620.5	1618.2	1613.4	1606.3	1601.5	1596.8
22.5°	1608.7	1611.0	1606.3	1599.2	1594.4	1592.1	1587.3	1580.2	1573.1	1566.0	1558.8
25°	1580.2	1577.8	1573.1	1568.3	1561.2	1558.8	1554.1	1547.0	1535.1	1528.0	1518.5
27.5°	1544.6	1544.6	1537.5	1532.7	1520.9	1520.9	1513.8	1504.3	1494.8	1482.9	1475.8
30°	1504.3	1504.3	1499.5	1492.4	1480.5	1478.2	1471.1	1463.9	1449.7	1437.8	1428.3
32.5°	1463.9	1461.6	1456.8	1449.7	1437.8	1433.1	1426.0	1416.5	1404.6	1388.0	1380.9
35°	1418.9	1416.5	1409.4	1399.9	1390.4	1385.6	1378.5	1366.7	1354.8	1338.2	1326.3
37.5°	1369.0	1366.7	1359.5	1350.0	1338.2	1333.4	1326.3	1314.5	1297.8	1286.0	1271.7
40°	1314.5	1312.1	1307.3	1297.8	1286.0	1281.2	1271.7	1259.9	1240.9	1226.7	1214.8
42.5°	1257.5	1255.1	1248.0	1236.2	1226.7	1221.9	1212.4	1200.6	1184.0	1167.4	1150.7
45°	1195.8	1193.5	1186.3	1172.1	1165.0	1157.9	1148.4	1136.5	1122.3	1108.0	1089.1
47.5°	1129.4	1127.0	1122.3	1110.4	1096.2	1093.8	1084.3	1072.4	1055.8	1036.9	1022.6
50°	1060.6	1060.6	1053.5	1044.0	1034.5	1027.4	1017.9	1006.0	984.7	972.8	956.2
52.5°	991.8	989.4	984.7	972.8	965.7	958.6	946.7	939.6	918.2	908.7	889.7
55°	918.2	915.8	906.4	899.2	894.5	887.4	877.9	863.7	851.8	837.6	820.9
57.5°	844.7	842.3	835.2	830.4	820.9	813.8	804.3	794.8	778.2	768.7	752.1
60°	768.7	768.7	764.0	756.9	747.4	740.3	733.2	723.7	709.4	695.2	683.3
62.5°	692.8	692.8	685.7	678.6	673.8	666.7	662.0	650.1	638.2	628.8	609.8
65°	612.1	612.1	602.7	600.3	595.5	590.8	583.7	571.8	564.7	548.1	541.0
67.5°	536.2	538.6	531.5	531.5	524.4	519.6	512.5	503.0	495.9	481.7	474.5
70°	465.0	467.4	462.7	460.3	453.2	448.4	443.7	436.6	427.1	422.3	410.5
72.5°	393.9	396.2	391.5	391.5	384.4	382.0	377.3	372.5	363.0	358.3	346.4
75°	325.1	322.7	322.7	325.1	317.9	315.6	313.2	303.7	299.0	294.2	284.7
77.5°	258.6	258.6	261.0	258.6	253.9	251.5	246.8	239.6	237.3	234.9	225.4
80°	196.9	199.3	199.3	196.9	192.2	189.8	187.4	180.3	177.9	177.9	170.8
82.5°	137.6	137.6	135.2	137.6	132.9	130.5	132.9	125.8	123.4	123.4	118.6
85°	80.7	78.3	78.3	80.7	78.3	78.3	78.3	73.6	73.6	73.6	68.8
87.5°	30.8	30.8	33.2	33.2	30.8	30.8	30.8	30.8	28.5	28.5	26.1
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):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3
2.5°	1722.6	1722.6	1722.6	1722.6	1724.9	1722.6	1724.9	1724.9	1727.3	1724.9	1727.3
5°	1717.8	1717.8	1715.4	1715.4	1715.4	1715.4	1715.4	1715.4	1715.4	1717.8	1717.8
7.5°	1705.9	1705.9	1703.6	1703.6	1703.6	1703.6	1701.2	1701.2	1703.6	1703.6	1703.6
10°	1691.7	1689.3	1687.0	1687.0	1687.0	1687.0	1684.6	1687.0	1687.0	1687.0	1687.0
12.5°	1670.4	1670.4	1668.0	1665.6	1665.6	1665.6	1663.2	1665.6	1665.6	1665.6	1665.6
15°	1649.0	1646.6	1644.3	1639.5	1639.5	1637.1	1634.8	1637.1	1634.8	1634.8	1637.1
17.5°	1618.2	1618.2	1613.4	1611.0	1608.7	1606.3	1603.9	1603.9	1603.9	1603.9	1608.7
20°	1587.3	1584.9	1580.2	1570.7	1573.1	1570.7	1566.0	1568.3	1568.3	1566.0	1566.0
22.5°	1554.1	1544.6	1539.9	1530.4	1532.7	1528.0	1525.6	1528.0	1525.6	1523.3	1528.0
25°	1509.0	1504.3	1492.4	1492.4	1487.7	1485.3	1485.3	1482.9	1480.5	1478.2	1482.9
27.5°	1468.7	1459.2	1452.1	1442.6	1437.8	1437.8	1435.5	1433.1	1428.3	1433.1	1433.1
30°	1418.9	1409.4	1397.5	1392.8	1388.0	1388.0	1383.3	1380.9	1376.1	1376.1	1383.3
32.5°	1371.4	1357.2	1345.3	1338.2	1335.8	1333.4	1331.1	1321.6	1323.9	1326.3	1328.7
35°	1314.5	1302.6	1293.1	1286.0	1278.9	1276.5	1274.1	1267.0	1267.0	1264.6	1271.7
37.5°	1259.9	1245.6	1238.5	1226.7	1221.9	1217.2	1214.8	1210.1	1207.7	1210.1	1212.4
40°	1200.6	1188.7	1176.8	1165.0	1160.2	1157.9	1150.7	1150.7	1146.0	1150.7	1150.7
42.5°	1138.9	1127.0	1112.8	1103.3	1098.5	1093.8	1089.1	1086.7	1086.7	1086.7	1089.1
45°	1077.2	1063.0	1048.7	1039.2	1034.5	1032.1	1025.0	1022.6	1017.9	1022.6	1025.0
47.5°	1010.8	998.9	984.7	977.5	970.4	968.0	960.9	956.2	953.8	958.6	958.6
50°	944.3	932.5	920.6	911.1	904.0	901.6	894.5	894.5	889.7	894.5	894.5
52.5°	877.9	866.0	854.2	842.3	837.6	835.2	828.1	828.1	828.1	828.1	828.1
55°	811.5	794.8	787.7	775.9	771.1	768.7	766.4	759.3	761.6	761.6	761.6
57.5°	742.6	730.8	716.5	711.8	704.7	702.3	702.3	692.8	690.4	695.2	695.2
60°	673.8	664.3	650.1	643.0	638.2	638.2	631.1	621.6	619.3	628.8	628.8
62.5°	602.7	588.4	581.3	574.2	569.4	567.1	564.7	557.6	559.9	557.6	557.6
65°	536.2	522.0	517.2	510.1	505.4	503.0	500.6	495.9	491.1	493.5	493.5
67.5°	469.8	457.9	450.8	446.1	441.3	441.3	436.6	431.8	434.2	431.8	431.8
70°	405.7	396.2	386.7	384.4	379.6	379.6	377.3	374.9	372.5	370.1	370.1
72.5°	344.0	334.5	327.4	322.7	320.3	320.3	317.9	310.8	313.2	310.8	310.8
75°	280.0	272.9	270.5	265.7	263.4	263.4	261.0	256.2	258.6	253.9	249.1
77.5°	223.0	215.9	213.5	211.2	213.5	211.2	204.0	206.4	204.0	199.3	199.3
80°	170.8	163.7	163.7	159.0	156.6	156.6	154.2	154.2	151.9	149.5	149.5
82.5°	116.3	113.9	111.5	109.1	106.8	111.5	106.8	104.4	104.4	104.4	102.0
85°	66.4	66.4	64.1	64.1	61.7	64.1	61.7	59.3	61.7	61.7	56.9
87.5°	26.1	28.5	23.7	23.7	23.7	23.7	21.4	23.7	23.7	23.7	21.4
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°	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3
2.5°	1727.3	1724.9	1724.9	1724.9	1724.9	1722.6	1724.9	1724.9	1727.3	1724.9	1724.9
5°	1717.8	1715.4	1717.8	1715.4	1715.4	1717.8	1717.8	1720.2	1720.2	1722.6	1722.6
7.5°	1703.6	1703.6	1703.6	1703.6	1703.6	1705.9	1705.9	1708.3	1710.7	1710.7	1713.1
10°	1687.0	1687.0	1689.3	1687.0	1689.3	1691.7	1694.1	1696.5	1698.8	1701.2	1701.2
12.5°	1665.6	1665.6	1665.6	1670.4	1670.4	1672.7	1675.1	1679.8	1682.2	1687.0	1687.0
15°	1637.1	1637.1	1641.9	1641.9	1644.3	1649.0	1653.7	1656.1	1660.9	1665.6	1668.0
17.5°	1606.3	1606.3	1611.0	1611.0	1613.4	1620.5	1625.3	1627.6	1637.1	1641.9	1646.6
20°	1570.7	1570.7	1577.8	1575.4	1580.2	1587.3	1592.1	1599.2	1606.3	1613.4	1618.2
22.5°	1528.0	1530.4	1537.5	1537.5	1539.9	1549.4	1556.5	1563.6	1570.7	1580.2	1587.3
25°	1482.9	1485.3	1492.4	1494.8	1497.2	1506.6	1516.1	1520.9	1532.7	1544.6	1549.4
27.5°	1433.1	1437.8	1442.6	1445.0	1449.7	1461.6	1471.1	1480.5	1490.0	1501.9	1511.4
30°	1383.3	1388.0	1392.8	1395.1	1399.9	1411.7	1421.2	1433.1	1445.0	1456.8	1466.3
32.5°	1326.3	1333.4	1338.2	1342.9	1345.3	1359.5	1371.4	1383.3	1395.1	1409.4	1421.2
35°	1271.7	1278.9	1283.6	1286.0	1290.7	1305.0	1314.5	1326.3	1342.9	1357.2	1369.0
37.5°	1212.4	1217.2	1226.7	1226.7	1231.4	1248.0	1259.9	1271.7	1288.4	1302.6	1316.8
40°	1153.1	1155.5	1165.0	1167.4	1172.1	1188.7	1200.6	1217.2	1229.0	1245.6	1259.9
42.5°	1089.1	1096.2	1105.7	1110.4	1115.2	1124.6	1134.1	1153.1	1165.0	1184.0	1198.2
45°	1025.0	1032.1	1036.9	1039.2	1051.1	1060.6	1070.1	1089.1	1103.3	1119.9	1136.5
47.5°	960.9	965.7	972.8	982.3	987.0	996.5	1003.6	1022.6	1036.9	1055.8	1070.1
50°	894.5	901.6	906.4	908.7	918.2	930.1	939.6	956.2	968.0	987.0	1003.6
52.5°	828.1	837.6	837.6	847.0	851.8	856.5	870.8	887.4	899.2	915.8	932.5
55°	764.0	768.7	775.9	778.2	785.4	790.1	799.6	816.2	830.4	847.0	863.7
57.5°	692.8	697.6	702.3	711.8	716.5	726.0	735.5	747.4	759.3	775.9	787.7
60°	624.0	631.1	635.9	643.0	643.0	654.9	666.7	678.6	688.1	704.7	716.5
62.5°	562.3	562.3	562.3	571.8	569.4	578.9	588.4	602.7	612.1	633.5	647.7
65°	495.9	498.3	498.3	505.4	503.0	512.5	519.6	533.8	543.3	555.2	569.4
67.5°	431.8	431.8	434.2	441.3	438.9	446.1	457.9	465.0	472.2	486.4	498.3
70°	365.4	367.8	370.1	377.3	374.9	384.4	391.5	396.2	405.7	415.2	424.7
72.5°	308.4	308.4	315.6	315.6	313.2	320.3	327.4	332.2	336.9	348.8	360.6
75°	253.9	251.5	256.2	256.2	253.9	256.2	261.0	268.1	272.9	282.3	291.8
77.5°	199.3	196.9	201.7	201.7	201.7	199.3	206.4	208.8	211.2	215.9	225.4
80°	147.1	144.7	149.5	149.5	144.7	147.1	151.9	154.2	154.2	159.0	166.1
82.5°	102.0	99.7	102.0	102.0	102.0	102.0	104.4	102.0	104.4	104.4	111.5
85°	61.7	59.3	61.7	59.3	59.3	56.9	61.7	59.3	59.3	61.7	61.7
87.5°	21.4	21.4	23.7	23.7	21.4	23.7	21.4	21.4	21.4	23.7	21.4
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: P571973

CATALOG NUMBER: 22ID-45-L850-SWR

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3
2.5°	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1729.7	1729.7	1727.3	1729.7	1727.3
5°	1722.6	1722.6	1724.9	1724.9	1724.9	1724.9	1724.9	1727.3	1727.3	1727.3	1724.9
7.5°	1715.4	1715.4	1715.4	1715.4	1717.8	1720.2	1720.2	1720.2	1722.6	1720.2	1720.2
10°	1703.6	1708.3	1708.3	1710.7	1710.7	1713.1	1715.4	1715.4	1715.4	1715.4	1715.4
12.5°	1691.7	1694.1	1696.5	1698.8	1701.2	1701.2	1705.9	1705.9	1705.9	1705.9	1703.6
15°	1672.7	1677.5	1679.8	1682.2	1687.0	1687.0	1691.7	1689.3	1694.1	1691.7	1689.3
17.5°	1651.4	1656.1	1660.9	1660.9	1668.0	1670.4	1675.1	1677.5	1677.5	1675.1	1670.4
20°	1625.3	1632.4	1634.8	1639.5	1644.3	1649.0	1651.4	1653.7	1656.1	1653.7	1651.4
22.5°	1594.4	1603.9	1606.3	1611.0	1618.2	1622.9	1625.3	1627.6	1630.0	1630.0	1625.3
25°	1561.2	1573.1	1573.1	1580.2	1587.3	1594.4	1599.2	1599.2	1603.9	1599.2	1599.2
27.5°	1520.9	1535.1	1542.2	1544.6	1554.1	1561.2	1566.0	1570.7	1570.7	1566.0	1566.0
30°	1480.5	1494.8	1501.9	1504.3	1516.1	1523.3	1528.0	1532.7	1532.7	1532.7	1528.0
32.5°	1435.5	1452.1	1459.2	1461.6	1475.8	1482.9	1490.0	1494.8	1494.8	1492.4	1485.3
35°	1388.0	1399.9	1411.7	1416.5	1428.3	1435.5	1447.3	1452.1	1449.7	1449.7	1442.6
37.5°	1333.4	1352.4	1359.5	1364.3	1378.5	1388.0	1399.9	1404.6	1404.6	1402.2	1397.5
40°	1276.5	1297.8	1305.0	1312.1	1326.3	1338.2	1345.3	1352.4	1352.4	1352.4	1347.7
42.5°	1219.5	1236.2	1245.6	1252.8	1269.4	1276.5	1288.4	1297.8	1297.8	1295.5	1288.4
45°	1155.5	1174.5	1184.0	1191.1	1207.7	1221.9	1229.0	1238.5	1236.2	1236.2	1226.7
47.5°	1091.4	1110.4	1119.9	1127.0	1143.6	1160.2	1165.0	1174.5	1174.5	1174.5	1165.0
50°	1025.0	1044.0	1051.1	1058.2	1077.2	1086.7	1098.5	1108.0	1108.0	1110.4	1100.9
52.5°	956.2	970.4	982.3	987.0	1006.0	1017.9	1027.4	1039.2	1039.2	1034.5	1034.5
55°	882.6	899.2	911.1	915.8	930.1	949.1	956.2	965.7	965.7	965.7	960.9
57.5°	809.1	828.1	837.6	842.3	858.9	873.1	882.6	892.1	894.5	894.5	885.0
60°	733.2	752.1	761.6	766.4	785.4	797.2	806.7	816.2	818.6	820.9	811.5
62.5°	662.0	678.6	688.1	692.8	707.1	716.5	728.4	740.3	742.6	742.6	737.9
65°	583.7	600.3	607.4	612.1	624.0	640.6	654.9	664.3	666.7	664.3	664.3
67.5°	510.1	524.4	533.8	536.2	548.1	564.7	571.8	581.3	583.7	583.7	581.3
70°	436.6	453.2	460.3	465.0	474.5	488.8	495.9	505.4	507.8	510.1	505.4
72.5°	367.8	379.6	386.7	391.5	403.4	415.2	420.0	429.5	434.2	434.2	429.5
75°	299.0	310.8	315.6	320.3	329.8	341.7	346.4	355.9	360.6	358.3	358.3
77.5°	232.5	242.0	246.8	249.1	256.2	270.5	272.9	282.3	282.3	284.7	284.7
80°	170.8	177.9	182.7	185.1	189.8	199.3	204.0	211.2	215.9	213.5	213.5
82.5°	113.9	118.6	123.4	128.1	128.1	137.6	137.6	144.7	144.7	149.5	147.1
85°	64.1	66.4	68.8	71.2	71.2	78.3	78.3	83.0	87.8	83.0	83.0
87.5°	21.4	23.7	23.7	26.1	23.7	28.5	26.1	30.8	33.2	33.2	30.8
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: P571973

CATALOG NUMBER: 22ID-45-L850-SWR

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3
2.5°	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3
5°	1724.9	1724.9	1722.6	1724.9	1724.9	1724.9	1724.9	1722.6	1722.6	1722.6	1722.6
7.5°	1720.2	1717.8	1717.8	1717.8	1715.4	1715.4	1715.4	1715.4	1713.1	1713.1	1713.1
10°	1713.1	1710.7	1710.7	1710.7	1708.3	1708.3	1705.9	1703.6	1703.6	1701.2	1698.8
12.5°	1703.6	1701.2	1698.8	1698.8	1696.5	1694.1	1691.7	1689.3	1687.0	1682.2	1682.2
15°	1687.0	1687.0	1684.6	1682.2	1677.5	1677.5	1672.7	1670.4	1665.6	1660.9	1660.9
17.5°	1670.4	1668.0	1665.6	1660.9	1656.1	1653.7	1649.0	1644.3	1639.5	1634.8	1632.4
20°	1649.0	1641.9	1644.3	1637.1	1632.4	1627.6	1620.5	1615.8	1608.7	1603.9	1599.2
22.5°	1620.5	1618.2	1615.8	1608.7	1601.5	1599.2	1587.3	1580.2	1573.1	1566.0	1561.2
25°	1589.7	1587.3	1584.9	1577.8	1568.3	1563.6	1551.7	1544.6	1532.7	1528.0	1523.3
27.5°	1554.1	1554.1	1549.4	1539.9	1532.7	1520.9	1513.8	1499.5	1490.0	1482.9	1478.2
30°	1516.1	1516.1	1511.4	1499.5	1490.0	1478.2	1471.1	1456.8	1445.0	1437.8	1428.3
32.5°	1478.2	1475.8	1471.1	1459.2	1447.3	1435.5	1421.2	1409.4	1395.1	1388.0	1378.5
35°	1433.1	1430.7	1426.0	1411.7	1402.2	1388.0	1371.4	1357.2	1342.9	1335.8	1321.6
37.5°	1385.6	1380.9	1376.1	1359.5	1347.7	1333.4	1321.6	1302.6	1288.4	1278.9	1271.7
40°	1333.4	1331.1	1323.9	1309.7	1293.1	1278.9	1262.3	1248.0	1233.8	1221.9	1212.4
42.5°	1281.2	1271.7	1267.0	1252.8	1240.9	1219.5	1207.7	1188.7	1174.5	1165.0	1150.7
45°	1221.9	1214.8	1207.7	1193.5	1176.8	1160.2	1148.4	1127.0	1112.8	1100.9	1089.1
47.5°	1155.5	1153.1	1146.0	1129.4	1115.2	1098.5	1084.3	1063.0	1048.7	1039.2	1027.4
50°	1089.1	1086.7	1081.9	1065.3	1046.3	1032.1	1020.2	998.9	984.7	970.4	963.3
52.5°	1027.4	1017.9	1013.1	998.9	979.9	963.3	953.8	932.5	918.2	904.0	894.5
55°	956.2	949.1	944.3	932.5	915.8	894.5	885.0	866.0	854.2	844.7	830.4
57.5°	885.0	875.5	870.8	856.5	844.7	828.1	816.2	797.2	785.4	775.9	766.4
60°	804.3	804.3	799.6	785.4	773.5	756.9	747.4	728.4	716.5	709.4	697.6
62.5°	737.9	728.4	726.0	709.4	702.3	685.7	678.6	662.0	654.9	643.0	631.1
65°	654.9	654.9	652.5	643.0	633.5	612.1	602.7	588.4	581.3	571.8	562.3
67.5°	581.3	574.2	574.2	564.7	552.8	541.0	533.8	519.6	514.9	503.0	495.9
70°	507.8	500.6	500.6	488.8	481.7	469.8	465.0	453.2	443.7	438.9	431.8
72.5°	434.2	429.5	427.1	417.6	412.8	401.0	398.6	386.7	377.3	374.9	367.8
75°	360.6	355.9	348.8	351.2	341.7	332.2	329.8	322.7	317.9	310.8	303.7
77.5°	287.1	282.3	282.3	277.6	272.9	265.7	263.4	258.6	251.5	246.8	242.0
80°	218.3	213.5	213.5	211.2	204.0	199.3	199.3	192.2	192.2	187.4	185.1
82.5°	149.5	147.1	144.7	147.1	142.4	137.6	140.0	137.6	135.2	130.5	128.1
85°	87.8	85.4	83.0	87.8	83.0	85.4	83.0	80.7	80.7	78.3	75.9
87.5°	33.2	33.2	30.8	33.2	33.2	35.6	33.2	33.2	33.2	33.2	33.2
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: P571973

CATALOG NUMBER: 22ID-45-L850-SWR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3
2.5°	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3
5°	1722.6	1722.6	1722.6	1722.6	1722.6	1722.6	1722.6	1722.6	1722.6	1720.2	1722.6
7.5°	1713.1	1710.7	1713.1	1710.7	1710.7	1710.7	1710.7	1710.7	1710.7	1710.7	1710.7
10°	1698.8	1698.8	1698.8	1698.8	1698.8	1698.8	1698.8	1698.8	1698.8	1696.5	1696.5
12.5°	1682.2	1682.2	1679.8	1679.8	1679.8	1677.5	1677.5	1679.8	1679.8	1677.5	1679.8
15°	1658.5	1660.9	1656.1	1653.7	1653.7	1653.7	1653.7	1653.7	1653.7	1653.7	1656.1
17.5°	1632.4	1630.0	1627.6	1627.6	1625.3	1622.9	1622.9	1625.3	1625.3	1627.6	1627.6
20°	1599.2	1599.2	1594.4	1592.1	1589.7	1587.3	1587.3	1589.7	1589.7	1589.7	1594.4
22.5°	1561.2	1558.8	1554.1	1551.7	1551.7	1547.0	1549.4	1551.7	1551.7	1551.7	1554.1
25°	1518.5	1516.1	1513.8	1511.4	1506.6	1504.3	1504.3	1509.0	1509.0	1513.8	1516.1
27.5°	1473.4	1471.1	1466.3	1461.6	1459.2	1456.8	1456.8	1461.6	1461.6	1466.3	1468.7
30°	1426.0	1423.6	1416.5	1414.1	1407.0	1404.6	1407.0	1411.7	1414.1	1416.5	1418.9
32.5°	1376.1	1371.4	1364.3	1361.9	1354.8	1357.2	1352.4	1359.5	1361.9	1364.3	1366.7
35°	1321.6	1316.8	1309.7	1302.6	1300.2	1297.8	1297.8	1302.6	1302.6	1309.7	1312.1
37.5°	1262.3	1259.9	1252.8	1248.0	1243.3	1243.3	1238.5	1245.6	1248.0	1252.8	1252.8
40°	1207.7	1205.3	1193.5	1188.7	1184.0	1186.3	1179.2	1186.3	1188.7	1193.5	1195.8
42.5°	1143.6	1141.3	1131.8	1127.0	1122.3	1124.6	1117.5	1124.6	1122.3	1129.4	1131.8
45°	1081.9	1079.6	1072.4	1063.0	1058.2	1060.6	1060.6	1060.6	1058.2	1065.3	1067.7
47.5°	1020.2	1015.5	1008.4	998.9	994.1	996.5	996.5	996.5	994.1	1003.6	1003.6
50°	956.2	951.4	944.3	934.8	932.5	932.5	932.5	932.5	932.5	937.2	939.6
52.5°	889.7	887.4	880.3	870.8	866.0	866.0	866.0	861.3	866.0	868.4	870.8
55°	823.3	820.9	809.1	804.3	799.6	802.0	799.6	797.2	797.2	802.0	804.3
57.5°	756.9	754.5	747.4	745.0	733.2	735.5	733.2	733.2	735.5	735.5	737.9
60°	690.4	688.1	681.0	678.6	669.1	671.5	662.0	666.7	669.1	669.1	669.1
62.5°	619.3	619.3	607.4	602.7	597.9	600.3	593.2	593.2	593.2	597.9	597.9
65°	555.2	552.8	543.3	538.6	533.8	533.8	529.1	529.1	526.7	531.5	531.5
67.5°	488.8	488.8	479.3	474.5	469.8	472.2	465.0	465.0	467.4	467.4	467.4
70°	424.7	424.7	417.6	415.2	408.1	408.1	401.0	403.4	403.4	403.4	403.4
72.5°	363.0	363.0	355.9	353.5	346.4	346.4	339.3	341.7	341.7	339.3	339.3
75°	301.3	303.7	291.8	289.5	284.7	287.1	282.3	280.0	282.3	277.6	277.6
77.5°	239.6	239.6	237.3	234.9	227.8	227.8	225.4	220.7	223.0	218.3	218.3
80°	180.3	182.7	175.6	177.9	170.8	173.2	170.8	166.1	166.1	163.7	161.3
82.5°	125.8	125.8	123.4	125.8	123.4	121.0	118.6	116.3	116.3	111.5	111.5
85°	75.9	78.3	73.6	75.9	75.9	73.6	68.8	68.8	68.8	66.4	66.4
87.5°	30.8	35.6	33.2	33.2	33.2	33.2	30.8	33.2	30.8	28.5	28.5
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: P571973

CATALOG NUMBER: 22ID-45-L850-SWR

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3	1727.3
2.5°	1724.9	1727.3	1727.3	1727.3	1727.3	1724.9	1724.9	1724.9	1724.9	1724.9	1727.3
5°	1720.2	1722.6	1722.6	1722.6	1722.6	1722.6	1722.6	1722.6	1722.6	1722.6	1722.6
7.5°	1710.7	1710.7	1713.1	1713.1	1713.1	1713.1	1715.4	1713.1	1715.4	1713.1	1715.4
10°	1696.5	1698.8	1701.2	1701.2	1703.6	1701.2	1703.6	1703.6	1705.9	1705.9	1705.9
12.5°	1679.8	1682.2	1682.2	1687.0	1687.0	1687.0	1689.3	1689.3	1691.7	1694.1	1694.1
15°	1656.1	1658.5	1660.9	1660.9	1665.6	1670.4	1670.4	1672.7	1675.1	1677.5	1677.5
17.5°	1627.6	1630.0	1632.4	1637.1	1641.9	1646.6	1649.0	1649.0	1653.7	1656.1	1656.1
20°	1594.4	1599.2	1603.9	1608.7	1611.0	1618.2	1620.5	1622.9	1627.6	1632.4	1632.4
22.5°	1558.8	1561.2	1568.3	1573.1	1577.8	1584.9	1587.3	1594.4	1599.2	1601.5	1603.9
25°	1516.1	1520.9	1528.0	1532.7	1537.5	1547.0	1554.1	1558.8	1566.0	1570.7	1570.7
27.5°	1468.7	1475.8	1482.9	1487.7	1494.8	1506.6	1513.8	1518.5	1528.0	1532.7	1535.1
30°	1421.2	1426.0	1435.5	1442.6	1449.7	1461.6	1471.1	1478.2	1487.7	1492.4	1494.8
32.5°	1369.0	1376.1	1385.6	1392.8	1402.2	1414.1	1423.6	1430.7	1445.0	1447.3	1449.7
35°	1314.5	1321.6	1328.7	1340.6	1350.0	1361.9	1373.8	1383.3	1390.4	1399.9	1402.2
37.5°	1257.5	1264.6	1274.1	1283.6	1293.1	1307.3	1319.2	1326.3	1338.2	1345.3	1350.0
40°	1198.2	1205.3	1217.2	1229.0	1236.2	1250.4	1262.3	1271.7	1288.4	1293.1	1293.1
42.5°	1134.1	1143.6	1150.7	1165.0	1172.1	1188.7	1200.6	1214.8	1224.3	1231.4	1233.8
45°	1072.4	1079.6	1093.8	1103.3	1110.4	1127.0	1138.9	1150.7	1162.6	1167.4	1172.1
47.5°	1006.0	1015.5	1027.4	1032.1	1044.0	1060.6	1072.4	1084.3	1098.5	1103.3	1105.7
50°	941.9	949.1	956.2	965.7	975.2	991.8	1006.0	1017.9	1029.7	1034.5	1036.9
52.5°	875.5	882.6	889.7	901.6	906.4	923.0	930.1	941.9	958.6	963.3	965.7
55°	806.7	816.2	825.7	832.8	837.6	851.8	861.3	875.5	885.0	889.7	894.5
57.5°	737.9	745.0	754.5	764.0	766.4	780.6	792.5	799.6	811.5	816.2	820.9
60°	671.5	678.6	685.7	688.1	695.2	709.4	721.3	726.0	737.9	742.6	745.0
62.5°	600.3	602.7	612.1	619.3	619.3	638.2	645.4	654.9	664.3	666.7	671.5
65°	533.8	538.6	538.6	543.3	550.5	562.3	567.1	578.9	586.0	588.4	590.8
67.5°	467.4	472.2	476.9	481.7	481.7	493.5	495.9	505.4	512.5	514.9	517.2
70°	403.4	403.4	410.5	415.2	412.8	422.3	427.1	431.8	441.3	443.7	446.1
72.5°	341.7	339.3	344.0	348.8	353.5	355.9	360.6	363.0	370.1	374.9	377.3
75°	280.0	282.3	282.3	284.7	282.3	284.7	291.8	299.0	303.7	306.1	310.8
77.5°	218.3	220.7	220.7	223.0	225.4	225.4	227.8	237.3	242.0	244.4	242.0
80°	161.3	163.7	163.7	166.1	168.5	170.8	170.8	175.6	182.7	185.1	185.1
82.5°	113.9	113.9	113.9	113.9	116.3	116.3	118.6	123.4	128.1	128.1	132.9
85°	68.8	68.8	66.4	68.8	66.4	68.8	71.2	75.9	78.3	78.3	80.7
87.5°	30.8	28.5	30.8	30.8	28.5	28.5	28.5	30.8	30.8	33.2	33.2
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: P571973

CATALOG NUMBER: 22ID-45-L850-SWR

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1727.3	1727.3	1727.3	1727.3
2.5°	1727.3	1727.3	1727.3	1727.3
5°	1722.6	1722.6	1722.6	1722.6
7.5°	1715.4	1715.4	1715.4	1715.4
10°	1705.9	1708.3	1708.3	1708.3
12.5°	1694.1	1694.1	1696.5	1696.5
15°	1679.8	1679.8	1679.8	1682.2
17.5°	1658.5	1660.9	1660.9	1660.9
20°	1634.8	1637.1	1637.1	1634.8
22.5°	1603.9	1606.3	1608.7	1608.7
25°	1573.1	1577.8	1580.2	1580.2
27.5°	1537.5	1542.2	1544.6	1544.6
30°	1499.5	1504.3	1504.3	1504.3
32.5°	1454.4	1461.6	1463.9	1463.9
35°	1407.0	1416.5	1418.9	1418.9
37.5°	1357.2	1361.9	1369.0	1369.0
40°	1302.6	1307.3	1314.5	1314.5
42.5°	1243.3	1252.8	1252.8	1257.5
45°	1179.2	1188.7	1191.1	1195.8
47.5°	1115.2	1124.6	1127.0	1129.4
50°	1046.3	1053.5	1060.6	1060.6
52.5°	977.5	982.3	987.0	991.8
55°	904.0	911.1	913.5	918.2
57.5°	828.1	837.6	839.9	844.7
60°	754.5	761.6	766.4	768.7
62.5°	681.0	685.7	688.1	692.8
65°	600.3	607.4	607.4	612.1
67.5°	526.7	531.5	533.8	536.2
70°	448.4	457.9	460.3	465.0
72.5°	379.6	389.1	389.1	393.9
75°	317.9	320.3	320.3	325.1
77.5°	251.5	253.9	256.2	258.6
80°	189.8	192.2	192.2	196.9
82.5°	135.2	135.2	135.2	137.6
85°	83.0	80.7	78.3	80.7
87.5°	33.2	33.2	35.6	30.8
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P571973
CATALOG NUMBER: 22ID-45-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	17.25	18.88	17.62	19.19	19.51	16.13	17.76	16.50	18.08	18.39
	3H	19.00	20.47	19.38	20.80	21.16	17.75	19.22	18.13	19.55	19.91
	4H	19.66	21.05	20.06	21.39	21.77	18.35	19.73	18.74	20.08	20.45
	6H	20.15	21.44	20.56	21.80	22.19	18.78	20.06	19.19	20.43	20.82
	8H	20.31	21.54	20.74	21.93	22.32	18.91	20.14	19.34	20.53	20.92
	12H	20.41	21.58	20.84	21.97	22.39	18.99	20.17	19.42	20.55	20.98
4H	2H	17.74	19.12	18.13	19.47	19.84	16.83	18.22	17.23	18.57	18.94
	3H	19.71	20.87	20.12	21.27	21.67	18.66	19.82	19.07	20.22	20.62
	4H	20.51	21.56	20.94	21.97	22.41	19.37	20.41	19.80	20.83	21.26
	6H	21.14	22.06	21.59	22.50	22.95	19.91	20.83	20.36	21.27	21.72
	8H	21.35	22.21	21.81	22.65	23.12	20.08	20.94	20.54	21.38	21.85
	12H	21.50	22.27	21.98	22.74	23.21	20.20	20.97	20.68	21.44	21.91
8H	4H	20.74	21.60	21.20	22.04	22.51	19.71	20.57	20.17	21.01	21.48
	6H	21.49	22.20	21.98	22.69	23.16	20.37	21.08	20.86	21.57	22.04
	8H	21.77	22.41	22.28	22.92	23.40	20.60	21.24	21.11	21.75	22.23
	12H	21.99	22.56	22.50	23.05	23.61	20.78	21.34	21.29	21.83	22.40
12H	4H	20.76	21.53	21.24	22.01	22.48	19.76	20.53	20.24	21.00	21.47
	6H	21.52	22.16	22.03	22.67	23.15	20.43	21.07	20.94	21.58	22.06
	8H	21.86	22.42	22.36	22.91	23.47	20.72	21.29	21.23	21.78	22.34