

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: P571981

Luminaire Tested: 22ID-50-L835-SWR

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P571981
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-50-L835-SWR
Description: 5000 LUMEN, 2X2 INDEPTH TROFFER WITH 2IN REGRESSED SWEEP LENS AND 3500K, 80 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4991.0 lumens
Efficiency: N/A
Efficacy: 121.4 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

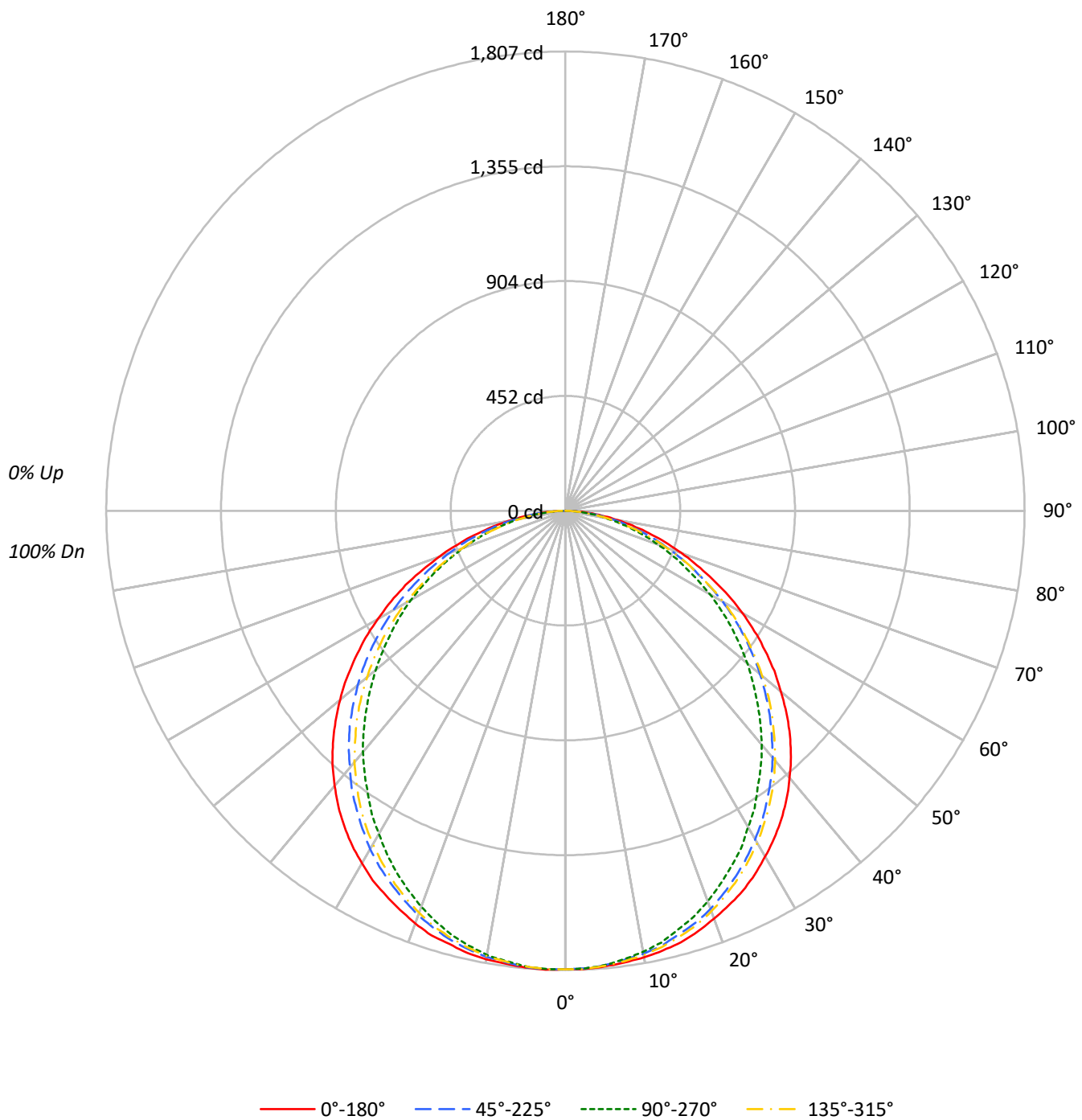
Input Watts (W): 41.1
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	104	100	96	106	102	98	95	98	94	92		94	91	89		90
2	99	91	84	78	96	89	83	77	85	80	76		82	78	74		79
3	90	80	72	65	88	78	71	65	75	69	64		73	67	62		70
4	83	71	62	55	80	69	61	55	67	60	54		65	58	53		62
5	76	63	54	48	74	62	54	47	60	53	47		58	52	46		56
6	70	57	48	42	68	56	48	42	54	47	41		53	46	41		51
7	65	52	43	37	64	51	43	37	49	42	36		48	41	36		47
8	61	47	39	33	59	47	38	33	45	38	33		44	37	32		43
9	57	43	35	30	55	43	35	30	42	34	29		41	34	29		40
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4856	4856	4856	4856
5°	4861	4848	4875	4861
10°	4877	4816	4897	4850
15°	4897	4758	4917	4813
20°	4891	4685	4948	4749
25°	4902	4586	4961	4667
30°	4884	4468	4976	4560
35°	4870	4341	4984	4455
40°	4824	4223	4964	4354
45°	4755	4066	4924	4217
50°	4639	3913	4847	4078
55°	4501	3733	4733	3931
60°	4323	3535	4590	3775
65°	4073	3283	4420	3552
70°	3823	3043	4154	3355
75°	3531	2757	3866	3119
80°	3189	2421	3419	2805
85°	2603	1991	2680	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 4924 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.9	3.4
10°-20°	490.5	9.8
20°-30°	740.3	14.8
30°-40°	883.9	17.7
40°-50°	901.9	18.1
50°-60°	795.4	15.9
60°-70°	587.8	11.8
70°-80°	331.4	6.6
80°-90°	88.8	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°	1401.7	28.1
0°-40°	2285.7	45.8
0°-60°	3983.0	79.8
0°-90°	4991.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4991.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1805	1805	1805	1805	1805	
5°	1800	1795	1805	1800	1800	171
15°	1758	1708	1765	1728	1758	496
25°	1651	1544	1671	1572	1651	760
35°	1482	1321	1517	1356	1482	926
45°	1249	1068	1294	1108	1249	962
55°	959	796	1009	838	959	857
65°	640	516	694	558	640	635
75°	340	265	372	300	340	360
85°	84	64	87	77	84	99
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°	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7
2.5°	1804.7	1804.7	1804.7	1804.7	1802.2	1799.7	1799.7	1802.2	1802.2	1799.7	1802.2
5°	1799.7	1799.7	1799.7	1797.2	1794.8	1794.8	1794.8	1794.8	1792.3	1794.8	1794.8
7.5°	1792.3	1792.3	1792.3	1789.8	1787.3	1787.3	1787.3	1784.8	1782.4	1784.8	1782.4
10°	1784.8	1782.4	1782.4	1782.4	1777.4	1774.9	1774.9	1774.9	1772.5	1772.5	1770.0
12.5°	1772.5	1770.0	1770.0	1767.5	1765.0	1762.5	1760.1	1757.6	1755.1	1752.6	1752.6
15°	1757.6	1757.6	1752.6	1750.1	1745.2	1742.7	1740.2	1737.7	1732.8	1730.3	1725.4
17.5°	1735.3	1735.3	1730.3	1727.8	1722.9	1717.9	1717.9	1713.0	1708.0	1703.0	1700.6
20°	1708.0	1710.5	1708.0	1703.0	1695.6	1693.1	1690.6	1685.7	1678.3	1673.3	1668.3
22.5°	1680.7	1683.2	1678.3	1670.8	1665.9	1663.4	1658.4	1651.0	1643.5	1636.1	1628.7
25°	1651.0	1648.5	1643.5	1638.6	1631.2	1628.7	1623.7	1616.3	1603.9	1596.4	1586.5
27.5°	1613.8	1613.8	1606.4	1601.4	1589.0	1589.0	1581.6	1571.7	1561.7	1549.3	1541.9
30°	1571.7	1571.7	1566.7	1559.3	1546.9	1544.4	1537.0	1529.5	1514.6	1502.2	1492.3
32.5°	1529.5	1527.0	1522.1	1514.6	1502.2	1497.3	1489.9	1479.9	1467.5	1450.2	1442.8
35°	1482.4	1479.9	1472.5	1462.6	1452.7	1447.7	1440.3	1427.9	1415.5	1398.1	1385.7
37.5°	1430.4	1427.9	1420.4	1410.5	1398.1	1393.2	1385.7	1373.3	1356.0	1343.6	1328.7
40°	1373.3	1370.9	1365.9	1356.0	1343.6	1338.6	1328.7	1316.3	1296.5	1281.6	1269.2
42.5°	1313.8	1311.4	1303.9	1291.5	1281.6	1276.7	1266.7	1254.4	1237.0	1219.6	1202.3
45°	1249.4	1246.9	1239.5	1224.6	1217.2	1209.7	1199.8	1187.4	1172.5	1157.7	1137.8
47.5°	1180.0	1177.5	1172.5	1160.2	1145.3	1142.8	1132.9	1120.5	1103.1	1083.3	1068.4
50°	1108.1	1108.1	1100.7	1090.7	1080.8	1073.4	1063.5	1051.1	1028.8	1016.4	999.0
52.5°	1036.2	1033.7	1028.8	1016.4	1008.9	1001.5	989.1	981.7	959.4	949.4	929.6
55°	959.4	956.9	947.0	939.5	934.6	927.1	917.2	902.3	889.9	875.1	857.7
57.5°	882.5	880.0	872.6	867.6	857.7	850.3	840.4	830.5	813.1	803.2	785.8
60°	803.2	803.2	798.2	790.8	780.9	773.4	766.0	756.1	741.2	726.3	713.9
62.5°	723.9	723.9	716.4	709.0	704.0	696.6	691.6	679.2	666.8	656.9	637.1
65°	639.6	639.6	629.7	627.2	622.2	617.3	609.8	597.4	590.0	572.6	565.2
67.5°	560.2	562.7	555.3	555.3	547.8	542.9	535.5	525.5	518.1	503.2	495.8
70°	485.9	488.4	483.4	480.9	473.5	468.5	463.6	456.1	446.2	441.3	428.9
72.5°	411.5	414.0	409.0	409.0	401.6	399.1	394.2	389.2	379.3	374.3	361.9
75°	339.6	337.1	337.1	339.6	332.2	329.7	327.2	317.3	312.3	307.4	297.5
77.5°	270.2	270.2	272.7	270.2	265.2	262.8	257.8	250.4	247.9	245.4	235.5
80°	205.8	208.2	208.2	205.8	200.8	198.3	195.8	188.4	185.9	185.9	178.5
82.5°	143.8	143.8	141.3	143.8	138.8	136.3	138.8	131.4	128.9	128.9	123.9
85°	84.3	81.8	81.8	84.3	81.8	81.8	81.8	76.8	76.8	76.8	71.9
87.5°	32.2	32.2	34.7	34.7	32.2	32.2	32.2	32.2	29.7	29.7	27.3
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°	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7
2.5°	1799.7	1799.7	1799.7	1799.7	1802.2	1799.7	1802.2	1802.2	1804.7	1802.2	1804.7
5°	1794.8	1794.8	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1792.3	1794.8	1794.8
7.5°	1782.4	1782.4	1779.9	1779.9	1779.9	1779.9	1777.4	1777.4	1779.9	1779.9	1779.9
10°	1767.5	1765.0	1762.5	1762.5	1762.5	1762.5	1760.1	1762.5	1762.5	1762.5	1762.5
12.5°	1745.2	1745.2	1742.7	1740.2	1740.2	1740.2	1737.7	1740.2	1740.2	1740.2	1740.2
15°	1722.9	1720.4	1717.9	1713.0	1713.0	1710.5	1708.0	1710.5	1708.0	1708.0	1710.5
17.5°	1690.6	1690.6	1685.7	1683.2	1680.7	1678.3	1675.8	1675.8	1675.8	1675.8	1680.7
20°	1658.4	1655.9	1651.0	1641.1	1643.5	1641.1	1636.1	1638.6	1638.6	1636.1	1636.1
22.5°	1623.7	1613.8	1608.8	1598.9	1601.4	1596.4	1594.0	1596.4	1594.0	1591.5	1596.4
25°	1576.6	1571.7	1559.3	1559.3	1554.3	1551.8	1551.8	1549.3	1546.9	1544.4	1549.3
27.5°	1534.5	1524.6	1517.1	1507.2	1502.2	1502.2	1499.8	1497.3	1492.3	1497.3	1497.3
30°	1482.4	1472.5	1460.1	1455.1	1450.2	1450.2	1445.2	1442.8	1437.8	1437.8	1445.2
32.5°	1432.8	1418.0	1405.6	1398.1	1395.7	1393.2	1390.7	1380.8	1383.3	1385.7	1388.2
35°	1373.3	1360.9	1351.0	1343.6	1336.2	1333.7	1331.2	1323.8	1323.8	1321.3	1328.7
37.5°	1316.3	1301.5	1294.0	1281.6	1276.7	1271.7	1269.2	1264.3	1261.8	1264.3	1266.7
40°	1254.4	1242.0	1229.6	1217.2	1212.2	1209.7	1202.3	1202.3	1197.3	1202.3	1202.3
42.5°	1189.9	1177.5	1162.6	1152.7	1147.8	1142.8	1137.8	1135.4	1135.4	1135.4	1137.8
45°	1125.4	1110.6	1095.7	1085.8	1080.8	1078.3	1070.9	1068.4	1063.5	1068.4	1070.9
47.5°	1056.0	1043.6	1028.8	1021.3	1013.9	1011.4	1004.0	999.0	996.5	1001.5	1001.5
50°	986.6	974.2	961.8	951.9	944.5	942.0	934.6	934.6	929.6	934.6	934.6
52.5°	917.2	904.8	892.4	880.0	875.1	872.6	865.2	865.2	865.2	865.2	865.2
55°	847.8	830.5	823.0	810.6	805.7	803.2	800.7	793.3	795.7	795.7	795.7
57.5°	775.9	763.5	748.6	743.7	736.2	733.8	733.8	723.9	721.4	726.3	726.3
60°	704.0	694.1	679.2	671.8	666.8	666.8	659.4	649.5	647.0	656.9	656.9
62.5°	629.7	614.8	607.3	599.9	594.9	592.5	590.0	582.6	585.0	582.6	582.6
65°	560.2	545.4	540.4	533.0	528.0	525.5	523.1	518.1	513.1	515.6	515.6
67.5°	490.8	478.4	471.0	466.0	461.1	461.1	456.1	451.2	453.6	451.2	451.2
70°	423.9	414.0	404.1	401.6	396.6	396.6	394.2	391.7	389.2	386.7	386.7
72.5°	359.4	349.5	342.1	337.1	334.7	334.7	332.2	324.7	327.2	324.7	324.7
75°	292.5	285.1	282.6	277.6	275.2	275.2	272.7	267.7	270.2	265.2	260.3
77.5°	233.0	225.6	223.1	220.6	223.1	220.6	213.2	215.7	213.2	208.2	208.2
80°	178.5	171.0	171.0	166.1	163.6	163.6	161.1	161.1	158.7	156.2	156.2
82.5°	121.5	119.0	116.5	114.0	111.6	116.5	111.6	109.1	109.1	109.1	106.6
85°	69.4	69.4	66.9	66.9	64.5	66.9	64.5	62.0	64.5	64.5	59.5
87.5°	27.3	29.7	24.8	24.8	24.8	24.8	22.3	24.8	24.8	24.8	22.3
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°	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7
2.5°	1804.7	1802.2	1802.2	1802.2	1802.2	1799.7	1802.2	1802.2	1804.7	1802.2	1802.2
5°	1794.8	1792.3	1794.8	1792.3	1792.3	1794.8	1794.8	1797.2	1797.2	1799.7	1799.7
7.5°	1779.9	1779.9	1779.9	1779.9	1779.9	1782.4	1782.4	1784.8	1787.3	1787.3	1789.8
10°	1762.5	1762.5	1765.0	1762.5	1765.0	1767.5	1770.0	1772.5	1774.9	1777.4	1777.4
12.5°	1740.2	1740.2	1740.2	1745.2	1745.2	1747.7	1750.1	1755.1	1757.6	1762.5	1762.5
15°	1710.5	1710.5	1715.4	1715.4	1717.9	1722.9	1727.8	1730.3	1735.3	1740.2	1742.7
17.5°	1678.3	1678.3	1683.2	1683.2	1685.7	1693.1	1698.1	1700.6	1710.5	1715.4	1720.4
20°	1641.1	1641.1	1648.5	1646.0	1651.0	1658.4	1663.4	1670.8	1678.3	1685.7	1690.6
22.5°	1596.4	1598.9	1606.4	1606.4	1608.8	1618.8	1626.2	1633.6	1641.1	1651.0	1658.4
25°	1549.3	1551.8	1559.3	1561.7	1564.2	1574.1	1584.1	1589.0	1601.4	1613.8	1618.8
27.5°	1497.3	1502.2	1507.2	1509.7	1514.6	1527.0	1537.0	1546.9	1556.8	1569.2	1579.1
30°	1445.2	1450.2	1455.1	1457.6	1462.6	1475.0	1484.9	1497.3	1509.7	1522.1	1532.0
32.5°	1385.7	1393.2	1398.1	1403.1	1405.6	1420.4	1432.8	1445.2	1457.6	1472.5	1484.9
35°	1328.7	1336.2	1341.1	1343.6	1348.6	1363.4	1373.3	1385.7	1403.1	1418.0	1430.4
37.5°	1266.7	1271.7	1281.6	1281.6	1286.6	1303.9	1316.3	1328.7	1346.1	1360.9	1375.8
40°	1204.8	1207.3	1217.2	1219.6	1224.6	1242.0	1254.4	1271.7	1284.1	1301.5	1316.3
42.5°	1137.8	1145.3	1155.2	1160.2	1165.1	1175.0	1184.9	1204.8	1217.2	1237.0	1251.9
45°	1070.9	1078.3	1083.3	1085.8	1098.2	1108.1	1118.0	1137.8	1152.7	1170.1	1187.4
47.5°	1004.0	1008.9	1016.4	1026.3	1031.2	1041.2	1048.6	1068.4	1083.3	1103.1	1118.0
50°	934.6	942.0	947.0	949.4	959.4	971.8	981.7	999.0	1011.4	1031.2	1048.6
52.5°	865.2	875.1	875.1	885.0	889.9	894.9	909.8	927.1	939.5	956.9	974.2
55°	798.2	803.2	810.6	813.1	820.5	825.5	835.4	852.8	867.6	885.0	902.3
57.5°	723.9	728.8	733.8	743.7	748.6	758.6	768.5	780.9	793.3	810.6	823.0
60°	652.0	659.4	664.4	671.8	671.8	684.2	696.6	709.0	718.9	736.2	748.6
62.5°	587.5	587.5	587.5	597.4	594.9	604.9	614.8	629.7	639.6	661.9	676.8
65°	518.1	520.6	520.6	528.0	525.5	535.5	542.9	557.8	567.7	580.1	594.9
67.5°	451.2	451.2	453.6	461.1	458.6	466.0	478.4	485.9	493.3	508.2	520.6
70°	381.8	384.2	386.7	394.2	391.7	401.6	409.0	414.0	423.9	433.8	443.7
72.5°	322.3	322.3	329.7	329.7	327.2	334.7	342.1	347.1	352.0	364.4	376.8
75°	265.2	262.8	267.7	267.7	265.2	267.7	272.7	280.1	285.1	295.0	304.9
77.5°	208.2	205.8	210.7	210.7	210.7	208.2	215.7	218.1	220.6	225.6	235.5
80°	153.7	151.2	156.2	156.2	151.2	153.7	158.7	161.1	161.1	166.1	173.5
82.5°	106.6	104.1	106.6	106.6	106.6	106.6	109.1	106.6	109.1	109.1	116.5
85°	64.5	62.0	64.5	62.0	62.0	59.5	64.5	62.0	62.0	64.5	64.5
87.5°	22.3	22.3	24.8	24.8	22.3	24.8	22.3	22.3	22.3	24.8	22.3
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: P571981

CATALOG NUMBER: 22ID-50-L835-SWR

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7
2.5°	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1807.2	1807.2	1804.7	1807.2	1804.7
5°	1799.7	1799.7	1802.2	1802.2	1802.2	1802.2	1802.2	1804.7	1804.7	1804.7	1802.2
7.5°	1792.3	1792.3	1792.3	1792.3	1794.8	1797.2	1797.2	1797.2	1799.7	1797.2	1797.2
10°	1779.9	1784.8	1784.8	1787.3	1787.3	1789.8	1792.3	1792.3	1792.3	1792.3	1792.3
12.5°	1767.5	1770.0	1772.5	1774.9	1777.4	1777.4	1782.4	1782.4	1782.4	1782.4	1779.9
15°	1747.7	1752.6	1755.1	1757.6	1762.5	1762.5	1767.5	1765.0	1770.0	1767.5	1765.0
17.5°	1725.4	1730.3	1735.3	1735.3	1742.7	1745.2	1750.1	1752.6	1752.6	1750.1	1745.2
20°	1698.1	1705.5	1708.0	1713.0	1717.9	1722.9	1725.4	1727.8	1730.3	1727.8	1725.4
22.5°	1665.9	1675.8	1678.3	1683.2	1690.6	1695.6	1698.1	1700.6	1703.0	1703.0	1698.1
25°	1631.2	1643.5	1643.5	1651.0	1658.4	1665.9	1670.8	1670.8	1675.8	1670.8	1670.8
27.5°	1589.0	1603.9	1611.3	1613.8	1623.7	1631.2	1636.1	1641.1	1641.1	1636.1	1636.1
30°	1546.9	1561.7	1569.2	1571.7	1584.1	1591.5	1596.4	1601.4	1601.4	1601.4	1596.4
32.5°	1499.8	1517.1	1524.6	1527.0	1541.9	1549.3	1556.8	1561.7	1561.7	1559.3	1551.8
35°	1450.2	1462.6	1475.0	1479.9	1492.3	1499.8	1512.2	1517.1	1514.6	1514.6	1507.2
37.5°	1393.2	1413.0	1420.4	1425.4	1440.3	1450.2	1462.6	1467.5	1467.5	1465.1	1460.1
40°	1333.7	1356.0	1363.4	1370.9	1385.7	1398.1	1405.6	1413.0	1413.0	1413.0	1408.0
42.5°	1274.2	1291.5	1301.5	1308.9	1326.2	1333.7	1346.1	1356.0	1356.0	1353.5	1346.1
45°	1207.3	1227.1	1237.0	1244.4	1261.8	1276.7	1284.1	1294.0	1291.5	1291.5	1281.6
47.5°	1140.3	1160.2	1170.1	1177.5	1194.9	1212.2	1217.2	1227.1	1227.1	1227.1	1217.2
50°	1070.9	1090.7	1098.2	1105.6	1125.4	1135.4	1147.8	1157.7	1157.7	1160.2	1150.2
52.5°	999.0	1013.9	1026.3	1031.2	1051.1	1063.5	1073.4	1085.8	1085.8	1080.8	1080.8
55°	922.2	939.5	951.9	956.9	971.8	991.6	999.0	1008.9	1008.9	1008.9	1004.0
57.5°	845.3	865.2	875.1	880.0	897.4	912.3	922.2	932.1	934.6	934.6	924.7
60°	766.0	785.8	795.7	800.7	820.5	832.9	842.8	852.8	855.2	857.7	847.8
62.5°	691.6	709.0	718.9	723.9	738.7	748.6	761.0	773.4	775.9	775.9	771.0
65°	609.8	627.2	634.6	639.6	652.0	669.3	684.2	694.1	696.6	694.1	694.1
67.5°	533.0	547.8	557.8	560.2	572.6	590.0	597.4	607.3	609.8	609.8	607.3
70°	456.1	473.5	480.9	485.9	495.8	510.7	518.1	528.0	530.5	533.0	528.0
72.5°	384.2	396.6	404.1	409.0	421.4	433.8	438.8	448.7	453.6	453.6	448.7
75°	312.3	324.7	329.7	334.7	344.6	357.0	361.9	371.8	376.8	374.3	374.3
77.5°	242.9	252.9	257.8	260.3	267.7	282.6	285.1	295.0	295.0	297.5	297.5
80°	178.5	185.9	190.9	193.4	198.3	208.2	213.2	220.6	225.6	223.1	223.1
82.5°	119.0	123.9	128.9	133.9	133.9	143.8	143.8	151.2	151.2	156.2	153.7
85°	66.9	69.4	71.9	74.4	74.4	81.8	81.8	86.8	91.7	86.8	86.8
87.5°	22.3	24.8	24.8	27.3	24.8	29.7	27.3	32.2	34.7	34.7	32.2
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: P571981

CATALOG NUMBER: 22ID-50-L835-SWR

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7
2.5°	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7
5°	1802.2	1802.2	1799.7	1802.2	1802.2	1802.2	1802.2	1799.7	1799.7	1799.7	1799.7
7.5°	1797.2	1794.8	1794.8	1794.8	1792.3	1792.3	1792.3	1792.3	1789.8	1789.8	1789.8
10°	1789.8	1787.3	1787.3	1787.3	1784.8	1784.8	1782.4	1779.9	1779.9	1777.4	1774.9
12.5°	1779.9	1777.4	1774.9	1774.9	1772.5	1770.0	1767.5	1765.0	1762.5	1757.6	1757.6
15°	1762.5	1762.5	1760.1	1757.6	1752.6	1752.6	1747.7	1745.2	1740.2	1735.3	1735.3
17.5°	1745.2	1742.7	1740.2	1735.3	1730.3	1727.8	1722.9	1717.9	1713.0	1708.0	1705.5
20°	1722.9	1715.4	1717.9	1710.5	1705.5	1700.6	1693.1	1688.2	1680.7	1675.8	1670.8
22.5°	1693.1	1690.6	1688.2	1680.7	1673.3	1670.8	1658.4	1651.0	1643.5	1636.1	1631.2
25°	1660.9	1658.4	1655.9	1648.5	1638.6	1633.6	1621.2	1613.8	1601.4	1596.4	1591.5
27.5°	1623.7	1623.7	1618.8	1608.8	1601.4	1589.0	1581.6	1566.7	1556.8	1549.3	1544.4
30°	1584.1	1584.1	1579.1	1566.7	1556.8	1544.4	1537.0	1522.1	1509.7	1502.2	1492.3
32.5°	1544.4	1541.9	1537.0	1524.6	1512.2	1499.8	1484.9	1472.5	1457.6	1450.2	1440.3
35°	1497.3	1494.8	1489.9	1475.0	1465.1	1450.2	1432.8	1418.0	1403.1	1395.7	1380.8
37.5°	1447.7	1442.8	1437.8	1420.4	1408.0	1393.2	1380.8	1360.9	1346.1	1336.2	1328.7
40°	1393.2	1390.7	1383.3	1368.4	1351.0	1336.2	1318.8	1303.9	1289.1	1276.7	1266.7
42.5°	1338.6	1328.7	1323.8	1308.9	1296.5	1274.2	1261.8	1242.0	1227.1	1217.2	1202.3
45°	1276.7	1269.2	1261.8	1246.9	1229.6	1212.2	1199.8	1177.5	1162.6	1150.2	1137.8
47.5°	1207.3	1204.8	1197.3	1180.0	1165.1	1147.8	1132.9	1110.6	1095.7	1085.8	1073.4
50°	1137.8	1135.4	1130.4	1113.1	1093.2	1078.3	1066.0	1043.6	1028.8	1013.9	1006.5
52.5°	1073.4	1063.5	1058.5	1043.6	1023.8	1006.5	996.5	974.2	959.4	944.5	934.6
55°	999.0	991.6	986.6	974.2	956.9	934.6	924.7	904.8	892.4	882.5	867.6
57.5°	924.7	914.7	909.8	894.9	882.5	865.2	852.8	832.9	820.5	810.6	800.7
60°	840.4	840.4	835.4	820.5	808.1	790.8	780.9	761.0	748.6	741.2	728.8
62.5°	771.0	761.0	758.6	741.2	733.8	716.4	709.0	691.6	684.2	671.8	659.4
65°	684.2	684.2	681.7	671.8	661.9	639.6	629.7	614.8	607.3	597.4	587.5
67.5°	607.3	599.9	599.9	590.0	577.6	565.2	557.8	542.9	537.9	525.5	518.1
70°	530.5	523.1	523.1	510.7	503.2	490.8	485.9	473.5	463.6	458.6	451.2
72.5°	453.6	448.7	446.2	436.3	431.3	418.9	416.5	404.1	394.2	391.7	384.2
75°	376.8	371.8	364.4	366.9	357.0	347.1	344.6	337.1	332.2	324.7	317.3
77.5°	300.0	295.0	295.0	290.0	285.1	277.6	275.2	270.2	262.8	257.8	252.9
80°	228.1	223.1	223.1	220.6	213.2	208.2	208.2	200.8	200.8	195.8	193.4
82.5°	156.2	153.7	151.2	153.7	148.7	143.8	146.3	143.8	141.3	136.3	133.9
85°	91.7	89.2	86.8	91.7	86.8	89.2	86.8	84.3	84.3	81.8	79.3
87.5°	34.7	34.7	32.2	34.7	34.7	37.2	34.7	34.7	34.7	34.7	34.7
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: P571981

CATALOG NUMBER: 22ID-50-L835-SWR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7
2.5°	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7
5°	1799.7	1799.7	1799.7	1799.7	1799.7	1799.7	1799.7	1799.7	1799.7	1797.2	1799.7
7.5°	1789.8	1787.3	1789.8	1787.3	1787.3	1787.3	1787.3	1787.3	1787.3	1787.3	1787.3
10°	1774.9	1774.9	1774.9	1774.9	1774.9	1774.9	1774.9	1774.9	1774.9	1772.5	1772.5
12.5°	1757.6	1757.6	1755.1	1755.1	1755.1	1752.6	1752.6	1755.1	1755.1	1752.6	1755.1
15°	1732.8	1735.3	1730.3	1727.8	1727.8	1727.8	1727.8	1727.8	1727.8	1727.8	1730.3
17.5°	1705.5	1703.0	1700.6	1700.6	1698.1	1695.6	1695.6	1698.1	1698.1	1700.6	1700.6
20°	1670.8	1670.8	1665.9	1663.4	1660.9	1658.4	1658.4	1660.9	1660.9	1660.9	1665.9
22.5°	1631.2	1628.7	1623.7	1621.2	1621.2	1616.3	1618.8	1621.2	1621.2	1621.2	1623.7
25°	1586.5	1584.1	1581.6	1579.1	1574.1	1571.7	1571.7	1576.6	1576.6	1581.6	1584.1
27.5°	1539.4	1537.0	1532.0	1527.0	1524.6	1522.1	1522.1	1527.0	1527.0	1532.0	1534.5
30°	1489.9	1487.4	1479.9	1477.5	1470.0	1467.5	1470.0	1475.0	1477.5	1479.9	1482.4
32.5°	1437.8	1432.8	1425.4	1422.9	1415.5	1418.0	1413.0	1420.4	1422.9	1425.4	1427.9
35°	1380.8	1375.8	1368.4	1360.9	1358.5	1356.0	1356.0	1360.9	1360.9	1368.4	1370.9
37.5°	1318.8	1316.3	1308.9	1303.9	1299.0	1299.0	1294.0	1301.5	1303.9	1308.9	1308.9
40°	1261.8	1259.3	1246.9	1242.0	1237.0	1239.5	1232.0	1239.5	1242.0	1246.9	1249.4
42.5°	1194.9	1192.4	1182.5	1177.5	1172.5	1175.0	1167.6	1175.0	1172.5	1180.0	1182.5
45°	1130.4	1127.9	1120.5	1110.6	1105.6	1108.1	1108.1	1108.1	1105.6	1113.1	1115.5
47.5°	1066.0	1061.0	1053.6	1043.6	1038.7	1041.2	1041.2	1041.2	1038.7	1048.6	1048.6
50°	999.0	994.1	986.6	976.7	974.2	974.2	974.2	974.2	974.2	979.2	981.7
52.5°	929.6	927.1	919.7	909.8	904.8	904.8	904.8	899.9	904.8	907.3	909.8
55°	860.2	857.7	845.3	840.4	835.4	837.9	835.4	832.9	832.9	837.9	840.4
57.5°	790.8	788.3	780.9	778.4	766.0	768.5	766.0	766.0	768.5	768.5	771.0
60°	721.4	718.9	711.5	709.0	699.1	701.5	691.6	696.6	699.1	699.1	699.1
62.5°	647.0	647.0	634.6	629.7	624.7	627.2	619.7	619.7	619.7	624.7	624.7
65°	580.1	577.6	567.7	562.7	557.8	557.8	552.8	552.8	550.3	555.3	555.3
67.5°	510.7	510.7	500.7	495.8	490.8	493.3	485.9	485.9	488.4	488.4	488.4
70°	443.7	443.7	436.3	433.8	426.4	426.4	418.9	421.4	421.4	421.4	421.4
72.5°	379.3	379.3	371.8	369.4	361.9	361.9	354.5	357.0	357.0	354.5	354.5
75°	314.8	317.3	304.9	302.4	297.5	300.0	295.0	292.5	295.0	290.0	290.0
77.5°	250.4	250.4	247.9	245.4	238.0	238.0	235.5	230.5	233.0	228.1	228.1
80°	188.4	190.9	183.4	185.9	178.5	181.0	178.5	173.5	173.5	171.0	168.6
82.5°	131.4	131.4	128.9	131.4	128.9	126.4	123.9	121.5	121.5	116.5	116.5
85°	79.3	81.8	76.8	79.3	79.3	76.8	71.9	71.9	71.9	69.4	69.4
87.5°	32.2	37.2	34.7	34.7	34.7	34.7	32.2	34.7	32.2	29.7	29.7
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: P571981

CATALOG NUMBER: 22ID-50-L835-SWR

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7
2.5°	1802.2	1804.7	1804.7	1804.7	1804.7	1802.2	1802.2	1802.2	1802.2	1802.2	1804.7
5°	1797.2	1799.7	1799.7	1799.7	1799.7	1799.7	1799.7	1799.7	1799.7	1799.7	1799.7
7.5°	1787.3	1787.3	1789.8	1789.8	1789.8	1789.8	1792.3	1789.8	1792.3	1789.8	1792.3
10°	1772.5	1774.9	1777.4	1777.4	1779.9	1777.4	1779.9	1779.9	1782.4	1782.4	1782.4
12.5°	1755.1	1757.6	1757.6	1762.5	1762.5	1762.5	1765.0	1765.0	1767.5	1770.0	1770.0
15°	1730.3	1732.8	1735.3	1735.3	1740.2	1745.2	1745.2	1747.7	1750.1	1752.6	1752.6
17.5°	1700.6	1703.0	1705.5	1710.5	1715.4	1720.4	1722.9	1722.9	1727.8	1730.3	1730.3
20°	1665.9	1670.8	1675.8	1680.7	1683.2	1690.6	1693.1	1695.6	1700.6	1705.5	1705.5
22.5°	1628.7	1631.2	1638.6	1643.5	1648.5	1655.9	1658.4	1665.9	1670.8	1673.3	1675.8
25°	1584.1	1589.0	1596.4	1601.4	1606.4	1616.3	1623.7	1628.7	1636.1	1641.1	1641.1
27.5°	1534.5	1541.9	1549.3	1554.3	1561.7	1574.1	1581.6	1586.5	1596.4	1601.4	1603.9
30°	1484.9	1489.9	1499.8	1507.2	1514.6	1527.0	1537.0	1544.4	1554.3	1559.3	1561.7
32.5°	1430.4	1437.8	1447.7	1455.1	1465.1	1477.5	1487.4	1494.8	1509.7	1512.2	1514.6
35°	1373.3	1380.8	1388.2	1400.6	1410.5	1422.9	1435.3	1445.2	1452.7	1462.6	1465.1
37.5°	1313.8	1321.3	1331.2	1341.1	1351.0	1365.9	1378.3	1385.7	1398.1	1405.6	1410.5
40°	1251.9	1259.3	1271.7	1284.1	1291.5	1306.4	1318.8	1328.7	1346.1	1351.0	1351.0
42.5°	1184.9	1194.9	1202.3	1217.2	1224.6	1242.0	1254.4	1269.2	1279.1	1286.6	1289.1
45°	1120.5	1127.9	1142.8	1152.7	1160.2	1177.5	1189.9	1202.3	1214.7	1219.6	1224.6
47.5°	1051.1	1061.0	1073.4	1078.3	1090.7	1108.1	1120.5	1132.9	1147.8	1152.7	1155.2
50°	984.1	991.6	999.0	1008.9	1018.9	1036.2	1051.1	1063.5	1075.9	1080.8	1083.3
52.5°	914.7	922.2	929.6	942.0	947.0	964.3	971.8	984.1	1001.5	1006.5	1008.9
55°	842.8	852.8	862.7	870.1	875.1	889.9	899.9	914.7	924.7	929.6	934.6
57.5°	771.0	778.4	788.3	798.2	800.7	815.6	828.0	835.4	847.8	852.8	857.7
60°	701.5	709.0	716.4	718.9	726.3	741.2	753.6	758.6	771.0	775.9	778.4
62.5°	627.2	629.7	639.6	647.0	647.0	666.8	674.3	684.2	694.1	696.6	701.5
65°	557.8	562.7	562.7	567.7	575.1	587.5	592.5	604.9	612.3	614.8	617.3
67.5°	488.4	493.3	498.3	503.2	503.2	515.6	518.1	528.0	535.5	537.9	540.4
70°	421.4	421.4	428.9	433.8	431.3	441.3	446.2	451.2	461.1	463.6	466.0
72.5°	357.0	354.5	359.4	364.4	369.4	371.8	376.8	379.3	386.7	391.7	394.2
75°	292.5	295.0	295.0	297.5	295.0	297.5	304.9	312.3	317.3	319.8	324.7
77.5°	228.1	230.5	230.5	233.0	235.5	235.5	238.0	247.9	252.9	255.3	252.9
80°	168.6	171.0	171.0	173.5	176.0	178.5	178.5	183.4	190.9	193.4	193.4
82.5°	119.0	119.0	119.0	119.0	121.5	121.5	123.9	128.9	133.9	133.9	138.8
85°	71.9	71.9	69.4	71.9	69.4	71.9	74.4	79.3	81.8	81.8	84.3
87.5°	32.2	29.7	32.2	32.2	29.7	29.7	29.7	32.2	32.2	34.7	34.7
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: P571981

CATALOG NUMBER: 22ID-50-L835-SWR

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1804.7	1804.7	1804.7	1804.7
2.5°	1804.7	1804.7	1804.7	1804.7
5°	1799.7	1799.7	1799.7	1799.7
7.5°	1792.3	1792.3	1792.3	1792.3
10°	1782.4	1784.8	1784.8	1784.8
12.5°	1770.0	1770.0	1772.5	1772.5
15°	1755.1	1755.1	1755.1	1757.6
17.5°	1732.8	1735.3	1735.3	1735.3
20°	1708.0	1710.5	1710.5	1708.0
22.5°	1675.8	1678.3	1680.7	1680.7
25°	1643.5	1648.5	1651.0	1651.0
27.5°	1606.4	1611.3	1613.8	1613.8
30°	1566.7	1571.7	1571.7	1571.7
32.5°	1519.6	1527.0	1529.5	1529.5
35°	1470.0	1479.9	1482.4	1482.4
37.5°	1418.0	1422.9	1430.4	1430.4
40°	1360.9	1365.9	1373.3	1373.3
42.5°	1299.0	1308.9	1308.9	1313.8
45°	1232.0	1242.0	1244.4	1249.4
47.5°	1165.1	1175.0	1177.5	1180.0
50°	1093.2	1100.7	1108.1	1108.1
52.5°	1021.3	1026.3	1031.2	1036.2
55°	944.5	951.9	954.4	959.4
57.5°	865.2	875.1	877.6	882.5
60°	788.3	795.7	800.7	803.2
62.5°	711.5	716.4	718.9	723.9
65°	627.2	634.6	634.6	639.6
67.5°	550.3	555.3	557.8	560.2
70°	468.5	478.4	480.9	485.9
72.5°	396.6	406.5	406.5	411.5
75°	332.2	334.7	334.7	339.6
77.5°	262.8	265.2	267.7	270.2
80°	198.3	200.8	200.8	205.8
82.5°	141.3	141.3	141.3	143.8
85°	86.8	84.3	81.8	84.3
87.5°	34.7	34.7	37.2	32.2
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P571981
CATALOG NUMBER: 22ID-50-L835-SWR

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	17.40	19.03	17.77	19.34	19.66	16.29	17.91	16.65	18.23	18.54
	3H	19.16	20.63	19.53	20.95	21.31	17.91	19.38	18.28	19.70	20.06
	4H	19.81	21.20	20.21	21.55	21.92	18.50	19.88	18.90	20.23	20.61
	6H	20.30	21.59	20.72	21.95	22.34	18.93	20.21	19.34	20.58	20.97
	8H	20.46	21.69	20.89	22.08	22.48	19.06	20.29	19.49	20.68	21.08
	12H	20.56	21.74	20.99	22.12	22.55	19.15	20.32	19.57	20.70	21.13
4H	2H	17.89	19.27	18.29	19.62	20.00	16.99	18.37	17.38	18.72	19.09
	3H	19.87	21.03	20.27	21.42	21.82	18.81	19.97	19.22	20.37	20.77
	4H	20.66	21.71	21.09	22.12	22.56	19.52	20.57	19.95	20.98	21.42
	6H	21.29	22.21	21.75	22.65	23.10	20.06	20.98	20.52	21.42	21.88
	8H	21.50	22.36	21.96	22.80	23.27	20.23	21.09	20.69	21.53	22.00
	12H	21.65	22.42	22.13	22.89	23.36	20.35	21.12	20.83	21.60	22.07
8H	4H	20.89	21.75	21.35	22.19	22.66	19.87	20.72	20.33	21.17	21.63
	6H	21.64	22.35	22.13	22.84	23.31	20.52	21.23	21.01	21.72	22.19
	8H	21.92	22.56	22.43	23.07	23.56	20.75	21.39	21.26	21.90	22.38
	12H	22.15	22.71	22.65	23.20	23.76	20.93	21.50	21.44	21.99	22.55
12H	4H	20.91	21.68	21.39	22.16	22.63	19.91	20.68	20.39	21.16	21.62
	6H	21.67	22.31	22.18	22.82	23.30	20.58	21.22	21.09	21.73	22.22
	8H	22.01	22.58	22.52	23.07	23.63	20.87	21.44	21.38	21.93	22.49