

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: P571985

Luminaire Tested: 22ID-50-L840-SWR

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P571985
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-L840-SWR
Description: 5000 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: 5147.0 lumens
Efficiency: N/A
Efficacy: 125.2 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

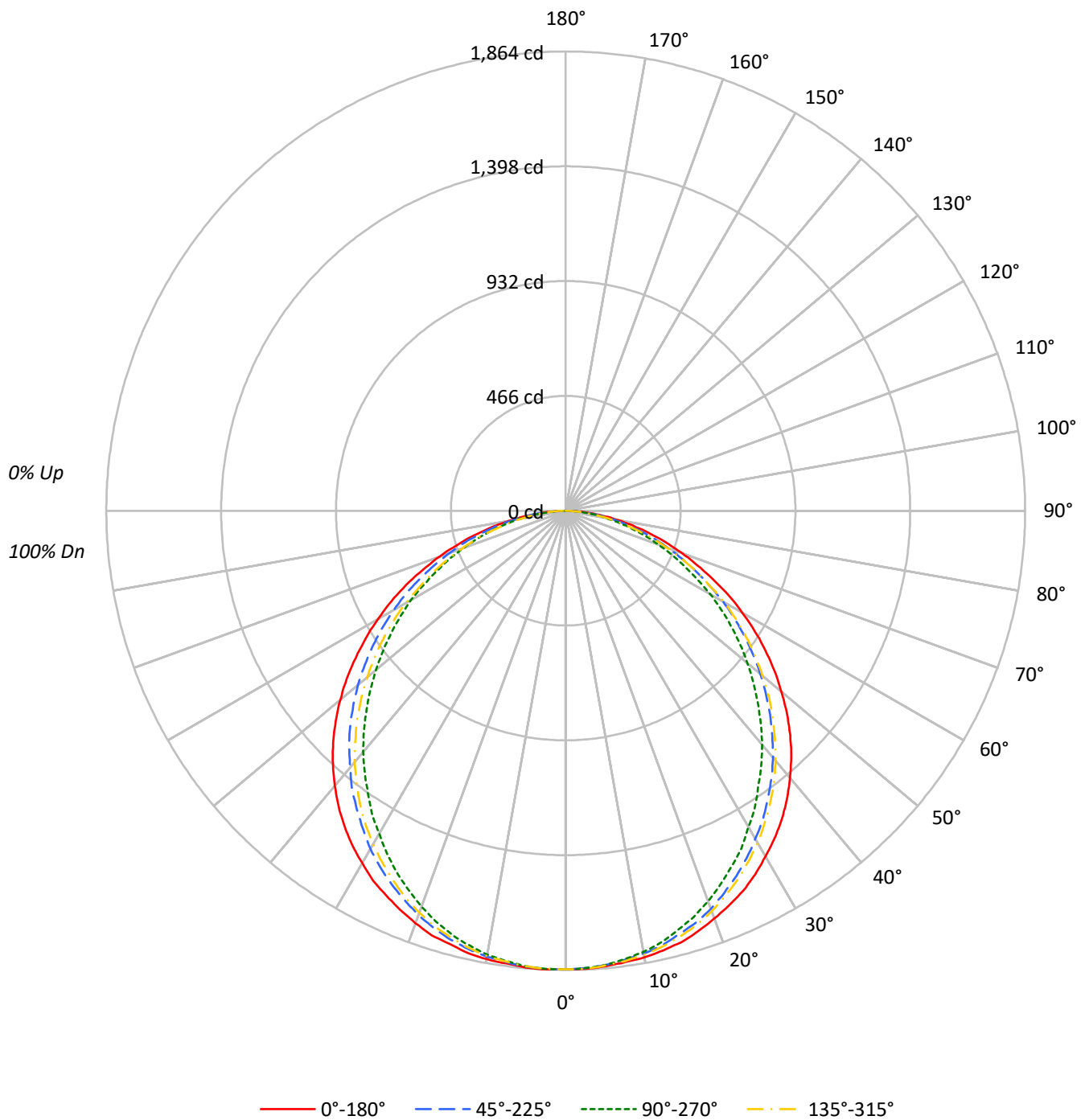
Input Watts (W): 41.1
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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CATALOG NUMBER: 22ID-50-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				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°	5008	5008	5008	5008
5°	5014	5000	5027	5014
10°	5029	4967	5050	5002
15°	5049	4907	5071	4964
20°	5044	4832	5103	4898
25°	5055	4729	5116	4812
30°	5036	4607	5132	4703
35°	5022	4476	5140	4594
40°	4975	4356	5119	4490
45°	4903	4193	5079	4349
50°	4784	4035	4998	4206
55°	4641	3850	4882	4054
60°	4458	3646	4733	3894
65°	4200	3386	4558	3663
70°	3943	3138	4284	3460
75°	3641	2844	3987	3216
80°	3288	2497	3526	2892
85°	2683	2053	2763	2445

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 5079 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.3	3.4
10°-20°	505.8	9.8
20°-30°	763.5	14.8
30°-40°	911.6	17.7
40°-50°	930.1	18.1
50°-60°	820.3	15.9
60°-70°	606.2	11.8
70°-80°	341.8	6.6
80°-90°	91.5	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°	1445.5	28.1
0°-40°	2357.1	45.8
0°-60°	4107.5	79.8
0°-90°	5147.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5147.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1861	1861	1861	1861	1861	
5°	1856	1851	1861	1856	1856	177
15°	1812	1761	1820	1782	1812	511
25°	1703	1593	1723	1621	1703	784
35°	1529	1363	1564	1398	1529	955
45°	1288	1102	1334	1143	1288	992
55°	989	821	1040	864	989	884
65°	660	532	716	575	660	655
75°	350	274	384	309	350	372
85°	87	66	90	79	87	102
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°	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1
2.5°	1861.1	1861.1	1861.1	1861.1	1858.5	1856.0	1856.0	1858.5	1858.5	1856.0	1858.5
5°	1856.0	1856.0	1856.0	1853.4	1850.9	1850.9	1850.9	1850.9	1848.3	1850.9	1850.9
7.5°	1848.3	1848.3	1848.3	1845.7	1843.2	1843.2	1843.2	1840.6	1838.1	1840.6	1838.1
10°	1840.6	1838.1	1838.1	1838.1	1833.0	1830.4	1830.4	1830.4	1827.9	1827.9	1825.3
12.5°	1827.9	1825.3	1825.3	1822.7	1820.2	1817.6	1815.1	1812.5	1810.0	1807.4	1807.4
15°	1812.5	1812.5	1807.4	1804.8	1799.7	1797.2	1794.6	1792.1	1787.0	1784.4	1779.3
17.5°	1789.5	1789.5	1784.4	1781.8	1776.7	1771.6	1771.6	1766.5	1761.4	1756.3	1753.7
20°	1761.4	1763.9	1761.4	1756.3	1748.6	1746.0	1743.5	1738.4	1730.7	1725.6	1720.5
22.5°	1733.3	1735.8	1730.7	1723.0	1717.9	1715.4	1710.3	1702.6	1694.9	1687.2	1679.6
25°	1702.6	1700.0	1694.9	1689.8	1682.1	1679.6	1674.5	1666.8	1654.0	1646.3	1636.1
27.5°	1664.2	1664.2	1656.6	1651.5	1638.7	1638.7	1631.0	1620.8	1610.6	1597.8	1590.1
30°	1620.8	1620.8	1615.7	1608.0	1595.2	1592.7	1585.0	1577.3	1562.0	1549.2	1539.0
32.5°	1577.3	1574.8	1569.7	1562.0	1549.2	1544.1	1536.4	1526.2	1513.4	1495.5	1487.8
35°	1528.8	1526.2	1518.5	1508.3	1498.1	1493.0	1485.3	1472.5	1459.7	1441.8	1429.0
37.5°	1475.1	1472.5	1464.8	1454.6	1441.8	1436.7	1429.0	1416.3	1398.4	1385.6	1370.3
40°	1416.3	1413.7	1408.6	1398.4	1385.6	1380.5	1370.3	1357.5	1337.0	1321.7	1308.9
42.5°	1354.9	1352.4	1344.7	1331.9	1321.7	1316.6	1306.3	1293.6	1275.7	1257.8	1239.9
45°	1288.4	1285.9	1278.2	1262.9	1255.2	1247.5	1237.3	1224.5	1209.2	1193.9	1173.4
47.5°	1216.9	1214.3	1209.2	1196.4	1181.1	1178.5	1168.3	1155.5	1137.6	1117.2	1101.8
50°	1142.7	1142.7	1135.1	1124.8	1114.6	1106.9	1096.7	1083.9	1060.9	1048.1	1030.2
52.5°	1068.6	1066.0	1060.9	1048.1	1040.5	1032.8	1020.0	1012.3	989.3	979.1	958.7
55°	989.3	986.8	976.6	968.9	963.8	956.1	945.9	930.5	917.8	902.4	884.5
57.5°	910.1	907.5	899.9	894.8	884.5	876.9	866.6	856.4	838.5	828.3	810.4
60°	828.3	828.3	823.2	815.5	805.3	797.6	789.9	779.7	764.4	749.0	736.3
62.5°	746.5	746.5	738.8	731.1	726.0	718.4	713.2	700.5	687.7	677.5	657.0
65°	659.6	659.6	649.3	646.8	641.7	636.6	628.9	616.1	608.4	590.5	582.9
67.5°	577.8	580.3	572.6	572.6	565.0	559.9	552.2	542.0	534.3	519.0	511.3
70°	501.1	503.6	498.5	495.9	488.3	483.2	478.1	470.4	460.2	455.0	442.3
72.5°	424.4	426.9	421.8	421.8	414.1	411.6	406.5	401.4	391.1	386.0	373.2
75°	350.2	347.7	347.7	350.2	342.6	340.0	337.4	327.2	322.1	317.0	306.8
77.5°	278.7	278.7	281.2	278.7	273.5	271.0	265.9	258.2	255.6	253.1	242.9
80°	212.2	214.7	214.7	212.2	207.1	204.5	202.0	194.3	191.7	191.7	184.1
82.5°	148.3	148.3	145.7	148.3	143.2	140.6	143.2	135.5	132.9	132.9	127.8
85°	86.9	84.4	84.4	86.9	84.4	84.4	84.4	79.2	79.2	79.2	74.1
87.5°	33.2	33.2	35.8	35.8	33.2	33.2	33.2	33.2	30.7	30.7	28.1
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°	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1
2.5°	1856.0	1856.0	1856.0	1856.0	1858.5	1856.0	1858.5	1858.5	1861.1	1858.5	1861.1
5°	1850.9	1850.9	1848.3	1848.3	1848.3	1848.3	1848.3	1848.3	1848.3	1850.9	1850.9
7.5°	1838.1	1838.1	1835.5	1835.5	1835.5	1835.5	1833.0	1833.0	1835.5	1835.5	1835.5
10°	1822.7	1820.2	1817.6	1817.6	1817.6	1817.6	1815.1	1817.6	1817.6	1817.6	1817.6
12.5°	1799.7	1799.7	1797.2	1794.6	1794.6	1794.6	1792.1	1794.6	1794.6	1794.6	1794.6
15°	1776.7	1774.2	1771.6	1766.5	1766.5	1763.9	1761.4	1763.9	1761.4	1761.4	1763.9
17.5°	1743.5	1743.5	1738.4	1735.8	1733.3	1730.7	1728.2	1728.2	1728.2	1728.2	1733.3
20°	1710.3	1707.7	1702.6	1692.4	1694.9	1692.4	1687.2	1689.8	1689.8	1687.2	1687.2
22.5°	1674.5	1664.2	1659.1	1648.9	1651.5	1646.3	1643.8	1646.3	1643.8	1641.2	1646.3
25°	1625.9	1620.8	1608.0	1608.0	1602.9	1600.3	1600.3	1597.8	1595.2	1592.7	1597.8
27.5°	1582.4	1572.2	1564.5	1554.3	1549.2	1549.2	1546.6	1544.1	1539.0	1544.1	1544.1
30°	1528.8	1518.5	1505.7	1500.6	1495.5	1495.5	1490.4	1487.8	1482.7	1482.7	1490.4
32.5°	1477.6	1462.3	1449.5	1441.8	1439.3	1436.7	1434.2	1423.9	1426.5	1429.0	1431.6
35°	1416.3	1403.5	1393.3	1385.6	1377.9	1375.4	1372.8	1365.1	1365.1	1362.6	1370.3
37.5°	1357.5	1342.1	1334.5	1321.7	1316.6	1311.5	1308.9	1303.8	1301.2	1303.8	1306.3
40°	1293.6	1280.8	1268.0	1255.2	1250.1	1247.5	1239.9	1239.9	1234.8	1239.9	1239.9
42.5°	1227.1	1214.3	1199.0	1188.7	1183.6	1178.5	1173.4	1170.8	1170.8	1170.8	1173.4
45°	1160.6	1145.3	1129.9	1119.7	1114.6	1112.1	1104.4	1101.8	1096.7	1101.8	1104.4
47.5°	1089.0	1076.3	1060.9	1053.3	1045.6	1043.0	1035.4	1030.2	1027.7	1032.8	1032.8
50°	1017.5	1004.7	991.9	981.7	974.0	971.4	963.8	963.8	958.7	963.8	963.8
52.5°	945.9	933.1	920.3	907.5	902.4	899.9	892.2	892.2	892.2	892.2	892.2
55°	874.3	856.4	848.7	836.0	830.8	828.3	825.7	818.1	820.6	820.6	820.6
57.5°	800.2	787.4	772.0	766.9	759.3	756.7	756.7	746.5	743.9	749.0	749.0
60°	726.0	715.8	700.5	692.8	687.7	687.7	680.0	669.8	667.2	677.5	677.5
62.5°	649.3	634.0	626.3	618.7	613.5	611.0	608.4	600.8	603.3	600.8	600.8
65°	577.8	562.4	557.3	549.6	544.5	542.0	539.4	534.3	529.2	531.7	531.7
67.5°	506.2	493.4	485.7	480.6	475.5	475.5	470.4	465.3	467.8	465.3	465.3
70°	437.2	426.9	416.7	414.1	409.0	409.0	406.5	403.9	401.4	398.8	398.8
72.5°	370.7	360.5	352.8	347.7	345.1	345.1	342.6	334.9	337.4	334.9	334.9
75°	301.7	294.0	291.4	286.3	283.8	283.8	281.2	276.1	278.7	273.5	268.4
77.5°	240.3	232.6	230.1	227.5	230.1	227.5	219.9	222.4	219.9	214.7	214.7
80°	184.1	176.4	176.4	171.3	168.7	168.7	166.2	166.2	163.6	161.1	161.1
82.5°	125.3	122.7	120.2	117.6	115.0	120.2	115.0	112.5	112.5	112.5	109.9
85°	71.6	71.6	69.0	69.0	66.5	69.0	66.5	63.9	66.5	66.5	61.4
87.5°	28.1	30.7	25.6	25.6	25.6	25.6	23.0	25.6	25.6	25.6	23.0
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°	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1
2.5°	1861.1	1858.5	1858.5	1858.5	1858.5	1856.0	1858.5	1858.5	1861.1	1858.5	1858.5
5°	1850.9	1848.3	1850.9	1848.3	1848.3	1850.9	1850.9	1853.4	1853.4	1856.0	1856.0
7.5°	1835.5	1835.5	1835.5	1835.5	1835.5	1838.1	1838.1	1840.6	1843.2	1843.2	1845.7
10°	1817.6	1817.6	1820.2	1817.6	1820.2	1822.7	1825.3	1827.9	1830.4	1833.0	1833.0
12.5°	1794.6	1794.6	1794.6	1799.7	1799.7	1802.3	1804.8	1810.0	1812.5	1817.6	1817.6
15°	1763.9	1763.9	1769.1	1769.1	1771.6	1776.7	1781.8	1784.4	1789.5	1794.6	1797.2
17.5°	1730.7	1730.7	1735.8	1735.8	1738.4	1746.0	1751.2	1753.7	1763.9	1769.1	1774.2
20°	1692.4	1692.4	1700.0	1697.5	1702.6	1710.3	1715.4	1723.0	1730.7	1738.4	1743.5
22.5°	1646.3	1648.9	1656.6	1656.6	1659.1	1669.4	1677.0	1684.7	1692.4	1702.6	1710.3
25°	1597.8	1600.3	1608.0	1610.6	1613.1	1623.3	1633.6	1638.7	1651.5	1664.2	1669.4
27.5°	1544.1	1549.2	1554.3	1556.9	1562.0	1574.8	1585.0	1595.2	1605.4	1618.2	1628.5
30°	1490.4	1495.5	1500.6	1503.2	1508.3	1521.1	1531.3	1544.1	1556.9	1569.7	1579.9
32.5°	1429.0	1436.7	1441.8	1446.9	1449.5	1464.8	1477.6	1490.4	1503.2	1518.5	1531.3
35°	1370.3	1377.9	1383.0	1385.6	1390.7	1406.0	1416.3	1429.0	1446.9	1462.3	1475.1
37.5°	1306.3	1311.5	1321.7	1321.7	1326.8	1344.7	1357.5	1370.3	1388.1	1403.5	1418.8
40°	1242.4	1245.0	1255.2	1257.8	1262.9	1280.8	1293.6	1311.5	1324.2	1342.1	1357.5
42.5°	1173.4	1181.1	1191.3	1196.4	1201.5	1211.8	1222.0	1242.4	1255.2	1275.7	1291.0
45°	1104.4	1112.1	1117.2	1119.7	1132.5	1142.7	1153.0	1173.4	1188.7	1206.6	1224.5
47.5°	1035.4	1040.5	1048.1	1058.4	1063.5	1073.7	1081.4	1101.8	1117.2	1137.6	1153.0
50°	963.8	971.4	976.6	979.1	989.3	1002.1	1012.3	1030.2	1043.0	1063.5	1081.4
52.5°	892.2	902.4	902.4	912.6	917.8	922.9	938.2	956.1	968.9	986.8	1004.7
55°	823.2	828.3	836.0	838.5	846.2	851.3	861.5	879.4	894.8	912.6	930.5
57.5°	746.5	751.6	756.7	766.9	772.0	782.3	792.5	805.3	818.1	836.0	848.7
60°	672.3	680.0	685.1	692.8	692.8	705.6	718.4	731.1	741.4	759.3	772.0
62.5°	605.9	605.9	605.9	616.1	613.5	623.8	634.0	649.3	659.6	682.6	697.9
65°	534.3	536.9	536.9	544.5	542.0	552.2	559.9	575.2	585.4	598.2	613.5
67.5°	465.3	465.3	467.8	475.5	472.9	480.6	493.4	501.1	508.7	524.1	536.9
70°	393.7	396.2	398.8	406.5	403.9	414.1	421.8	426.9	437.2	447.4	457.6
72.5°	332.3	332.3	340.0	340.0	337.4	345.1	352.8	357.9	363.0	375.8	388.6
75°	273.5	271.0	276.1	276.1	273.5	276.1	281.2	288.9	294.0	304.2	314.4
77.5°	214.7	212.2	217.3	217.3	217.3	214.7	222.4	225.0	227.5	232.6	242.9
80°	158.5	155.9	161.1	161.1	155.9	158.5	163.6	166.2	166.2	171.3	179.0
82.5°	109.9	107.4	109.9	109.9	109.9	109.9	112.5	109.9	112.5	112.5	120.2
85°	66.5	63.9	66.5	63.9	63.9	61.4	66.5	63.9	63.9	66.5	66.5
87.5°	23.0	23.0	25.6	25.6	23.0	25.6	23.0	23.0	23.0	25.6	23.0
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: P571985

CATALOG NUMBER: 22ID-50-L840-SWR

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1
2.5°	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1863.6	1863.6	1861.1	1863.6	1861.1
5°	1856.0	1856.0	1858.5	1858.5	1858.5	1858.5	1858.5	1861.1	1861.1	1861.1	1858.5
7.5°	1848.3	1848.3	1848.3	1848.3	1850.9	1853.4	1853.4	1853.4	1856.0	1853.4	1853.4
10°	1835.5	1840.6	1840.6	1843.2	1843.2	1845.7	1848.3	1848.3	1848.3	1848.3	1848.3
12.5°	1822.7	1825.3	1827.9	1830.4	1833.0	1833.0	1838.1	1838.1	1838.1	1838.1	1835.5
15°	1802.3	1807.4	1810.0	1812.5	1817.6	1817.6	1822.7	1820.2	1825.3	1822.7	1820.2
17.5°	1779.3	1784.4	1789.5	1789.5	1797.2	1799.7	1804.8	1807.4	1807.4	1804.8	1799.7
20°	1751.2	1758.8	1761.4	1766.5	1771.6	1776.7	1779.3	1781.8	1784.4	1781.8	1779.3
22.5°	1717.9	1728.2	1730.7	1735.8	1743.5	1748.6	1751.2	1753.7	1756.3	1756.3	1751.2
25°	1682.1	1694.9	1694.9	1702.6	1710.3	1717.9	1723.0	1723.0	1728.2	1723.0	1723.0
27.5°	1638.7	1654.0	1661.7	1664.2	1674.5	1682.1	1687.2	1692.4	1692.4	1687.2	1687.2
30°	1595.2	1610.6	1618.2	1620.8	1633.6	1641.2	1646.3	1651.5	1651.5	1651.5	1646.3
32.5°	1546.6	1564.5	1572.2	1574.8	1590.1	1597.8	1605.4	1610.6	1610.6	1608.0	1600.3
35°	1495.5	1508.3	1521.1	1526.2	1539.0	1546.6	1559.4	1564.5	1562.0	1562.0	1554.3
37.5°	1436.7	1457.2	1464.8	1470.0	1485.3	1495.5	1508.3	1513.4	1513.4	1510.9	1505.7
40°	1375.4	1398.4	1406.0	1413.7	1429.0	1441.8	1449.5	1457.2	1457.2	1457.2	1452.1
42.5°	1314.0	1331.9	1342.1	1349.8	1367.7	1375.4	1388.1	1398.4	1398.4	1395.8	1388.1
45°	1245.0	1265.4	1275.7	1283.3	1301.2	1316.6	1324.2	1334.5	1331.9	1331.9	1321.7
47.5°	1176.0	1196.4	1206.6	1214.3	1232.2	1250.1	1255.2	1265.4	1265.4	1265.4	1255.2
50°	1104.4	1124.8	1132.5	1140.2	1160.6	1170.8	1183.6	1193.9	1193.9	1196.4	1186.2
52.5°	1030.2	1045.6	1058.4	1063.5	1083.9	1096.7	1106.9	1119.7	1119.7	1114.6	1114.6
55°	951.0	968.9	981.7	986.8	1002.1	1022.6	1030.2	1040.5	1040.5	1040.5	1035.4
57.5°	871.7	892.2	902.4	907.5	925.4	940.8	951.0	961.2	963.8	963.8	953.6
60°	789.9	810.4	820.6	825.7	846.2	859.0	869.2	879.4	882.0	884.5	874.3
62.5°	713.2	731.1	741.4	746.5	761.8	772.0	784.8	797.6	800.2	800.2	795.1
65°	628.9	646.8	654.4	659.6	672.3	690.2	705.6	715.8	718.4	715.8	715.8
67.5°	549.6	565.0	575.2	577.8	590.5	608.4	616.1	626.3	628.9	628.9	626.3
70°	470.4	488.3	495.9	501.1	511.3	526.6	534.3	544.5	547.1	549.6	544.5
72.5°	396.2	409.0	416.7	421.8	434.6	447.4	452.5	462.7	467.8	467.8	462.7
75°	322.1	334.9	340.0	345.1	355.3	368.1	373.2	383.5	388.6	386.0	386.0
77.5°	250.5	260.8	265.9	268.4	276.1	291.4	294.0	304.2	304.2	306.8	306.8
80°	184.1	191.7	196.8	199.4	204.5	214.7	219.9	227.5	232.6	230.1	230.1
82.5°	122.7	127.8	132.9	138.0	138.0	148.3	148.3	155.9	155.9	161.1	158.5
85°	69.0	71.6	74.1	76.7	76.7	84.4	84.4	89.5	94.6	89.5	89.5
87.5°	23.0	25.6	25.6	28.1	25.6	30.7	28.1	33.2	35.8	35.8	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: P571985

CATALOG NUMBER: 22ID-50-L840-SWR

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1
2.5°	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1
5°	1858.5	1858.5	1856.0	1858.5	1858.5	1858.5	1858.5	1856.0	1856.0	1856.0	1856.0
7.5°	1853.4	1850.9	1850.9	1850.9	1848.3	1848.3	1848.3	1848.3	1845.7	1845.7	1845.7
10°	1845.7	1843.2	1843.2	1843.2	1840.6	1840.6	1838.1	1835.5	1835.5	1833.0	1830.4
12.5°	1835.5	1833.0	1830.4	1830.4	1827.9	1825.3	1822.7	1820.2	1817.6	1812.5	1812.5
15°	1817.6	1817.6	1815.1	1812.5	1807.4	1807.4	1802.3	1799.7	1794.6	1789.5	1789.5
17.5°	1799.7	1797.2	1794.6	1789.5	1784.4	1781.8	1776.7	1771.6	1766.5	1761.4	1758.8
20°	1776.7	1769.1	1771.6	1763.9	1758.8	1753.7	1746.0	1740.9	1733.3	1728.2	1723.0
22.5°	1746.0	1743.5	1740.9	1733.3	1725.6	1723.0	1710.3	1702.6	1694.9	1687.2	1682.1
25°	1712.8	1710.3	1707.7	1700.0	1689.8	1684.7	1671.9	1664.2	1651.5	1646.3	1641.2
27.5°	1674.5	1674.5	1669.4	1659.1	1651.5	1638.7	1631.0	1615.7	1605.4	1597.8	1592.7
30°	1633.6	1633.6	1628.5	1615.7	1605.4	1592.7	1585.0	1569.7	1556.9	1549.2	1539.0
32.5°	1592.7	1590.1	1585.0	1572.2	1559.4	1546.6	1531.3	1518.5	1503.2	1495.5	1485.3
35°	1544.1	1541.5	1536.4	1521.1	1510.9	1495.5	1477.6	1462.3	1446.9	1439.3	1423.9
37.5°	1493.0	1487.8	1482.7	1464.8	1452.1	1436.7	1423.9	1403.5	1388.1	1377.9	1370.3
40°	1436.7	1434.2	1426.5	1411.2	1393.3	1377.9	1360.0	1344.7	1329.3	1316.6	1306.3
42.5°	1380.5	1370.3	1365.1	1349.8	1337.0	1314.0	1301.2	1280.8	1265.4	1255.2	1239.9
45°	1316.6	1308.9	1301.2	1285.9	1268.0	1250.1	1237.3	1214.3	1199.0	1186.2	1173.4
47.5°	1245.0	1242.4	1234.8	1216.9	1201.5	1183.6	1168.3	1145.3	1129.9	1119.7	1106.9
50°	1173.4	1170.8	1165.7	1147.8	1127.4	1112.1	1099.3	1076.3	1060.9	1045.6	1037.9
52.5°	1106.9	1096.7	1091.6	1076.3	1055.8	1037.9	1027.7	1004.7	989.3	974.0	963.8
55°	1030.2	1022.6	1017.5	1004.7	986.8	963.8	953.6	933.1	920.3	910.1	894.8
57.5°	953.6	943.3	938.2	922.9	910.1	892.2	879.4	859.0	846.2	836.0	825.7
60°	866.6	866.6	861.5	846.2	833.4	815.5	805.3	784.8	772.0	764.4	751.6
62.5°	795.1	784.8	782.3	764.4	756.7	738.8	731.1	713.2	705.6	692.8	680.0
65°	705.6	705.6	703.0	692.8	682.6	659.6	649.3	634.0	626.3	616.1	605.9
67.5°	626.3	618.7	618.7	608.4	595.7	582.9	575.2	559.9	554.7	542.0	534.3
70°	547.1	539.4	539.4	526.6	519.0	506.2	501.1	488.3	478.1	472.9	465.3
72.5°	467.8	462.7	460.2	449.9	444.8	432.0	429.5	416.7	406.5	403.9	396.2
75°	388.6	383.5	375.8	378.4	368.1	357.9	355.3	347.7	342.6	334.9	327.2
77.5°	309.3	304.2	304.2	299.1	294.0	286.3	283.8	278.7	271.0	265.9	260.8
80°	235.2	230.1	230.1	227.5	219.9	214.7	214.7	207.1	207.1	202.0	199.4
82.5°	161.1	158.5	155.9	158.5	153.4	148.3	150.8	148.3	145.7	140.6	138.0
85°	94.6	92.0	89.5	94.6	89.5	92.0	89.5	86.9	86.9	84.4	81.8
87.5°	35.8	35.8	33.2	35.8	35.8	38.3	35.8	35.8	35.8	35.8	35.8
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: P571985

CATALOG NUMBER: 22ID-50-L840-SWR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1
2.5°	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1
5°	1856.0	1856.0	1856.0	1856.0	1856.0	1856.0	1856.0	1856.0	1856.0	1853.4	1856.0
7.5°	1845.7	1843.2	1845.7	1843.2	1843.2	1843.2	1843.2	1843.2	1843.2	1843.2	1843.2
10°	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1827.9	1827.9
12.5°	1812.5	1812.5	1810.0	1810.0	1810.0	1807.4	1807.4	1810.0	1810.0	1807.4	1810.0
15°	1787.0	1789.5	1784.4	1781.8	1781.8	1781.8	1781.8	1781.8	1781.8	1781.8	1784.4
17.5°	1758.8	1756.3	1753.7	1753.7	1751.2	1748.6	1748.6	1751.2	1751.2	1753.7	1753.7
20°	1723.0	1723.0	1717.9	1715.4	1712.8	1710.3	1710.3	1712.8	1712.8	1712.8	1717.9
22.5°	1682.1	1679.6	1674.5	1671.9	1671.9	1666.8	1669.4	1671.9	1671.9	1671.9	1674.5
25°	1636.1	1633.6	1631.0	1628.5	1623.3	1620.8	1620.8	1625.9	1625.9	1631.0	1633.6
27.5°	1587.5	1585.0	1579.9	1574.8	1572.2	1569.7	1569.7	1574.8	1574.8	1579.9	1582.4
30°	1536.4	1533.9	1526.2	1523.6	1516.0	1513.4	1516.0	1521.1	1523.6	1526.2	1528.8
32.5°	1482.7	1477.6	1470.0	1467.4	1459.7	1462.3	1457.2	1464.8	1467.4	1470.0	1472.5
35°	1423.9	1418.8	1411.2	1403.5	1400.9	1398.4	1398.4	1403.5	1403.5	1411.2	1413.7
37.5°	1360.0	1357.5	1349.8	1344.7	1339.6	1339.6	1334.5	1342.1	1344.7	1349.8	1349.8
40°	1301.2	1298.7	1285.9	1280.8	1275.7	1278.2	1270.6	1278.2	1280.8	1285.9	1288.4
42.5°	1232.2	1229.6	1219.4	1214.3	1209.2	1211.8	1204.1	1211.8	1209.2	1216.9	1219.4
45°	1165.7	1163.2	1155.5	1145.3	1140.2	1142.7	1142.7	1142.7	1140.2	1147.8	1150.4
47.5°	1099.3	1094.2	1086.5	1076.3	1071.1	1073.7	1073.7	1073.7	1071.1	1081.4	1081.4
50°	1030.2	1025.1	1017.5	1007.2	1004.7	1004.7	1004.7	1004.7	1004.7	1009.8	1012.3
52.5°	958.7	956.1	948.4	938.2	933.1	933.1	933.1	928.0	933.1	935.7	938.2
55°	887.1	884.5	871.7	866.6	861.5	864.1	861.5	859.0	859.0	864.1	866.6
57.5°	815.5	812.9	805.3	802.7	789.9	792.5	789.9	789.9	792.5	792.5	795.1
60°	743.9	741.4	733.7	731.1	720.9	723.5	713.2	718.4	720.9	720.9	720.9
62.5°	667.2	667.2	654.4	649.3	644.2	646.8	639.1	639.1	639.1	644.2	644.2
65°	598.2	595.7	585.4	580.3	575.2	575.2	570.1	570.1	567.5	572.6	572.6
67.5°	526.6	526.6	516.4	511.3	506.2	508.7	501.1	501.1	503.6	503.6	503.6
70°	457.6	457.6	449.9	447.4	439.7	439.7	432.0	434.6	434.6	434.6	434.6
72.5°	391.1	391.1	383.5	380.9	373.2	373.2	365.6	368.1	368.1	365.6	365.6
75°	324.7	327.2	314.4	311.9	306.8	309.3	304.2	301.7	304.2	299.1	299.1
77.5°	258.2	258.2	255.6	253.1	245.4	245.4	242.9	237.7	240.3	235.2	235.2
80°	194.3	196.8	189.2	191.7	184.1	186.6	184.1	179.0	179.0	176.4	173.8
82.5°	135.5	135.5	132.9	135.5	132.9	130.4	127.8	125.3	125.3	120.2	120.2
85°	81.8	84.4	79.2	81.8	81.8	79.2	74.1	74.1	74.1	71.6	71.6
87.5°	33.2	38.3	35.8	35.8	35.8	35.8	33.2	35.8	33.2	30.7	30.7
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: P571985

CATALOG NUMBER: 22ID-50-L840-SWR

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1	1861.1
2.5°	1858.5	1861.1	1861.1	1861.1	1861.1	1858.5	1858.5	1858.5	1858.5	1858.5	1861.1
5°	1853.4	1856.0	1856.0	1856.0	1856.0	1856.0	1856.0	1856.0	1856.0	1856.0	1856.0
7.5°	1843.2	1843.2	1845.7	1845.7	1845.7	1845.7	1848.3	1845.7	1848.3	1845.7	1848.3
10°	1827.9	1830.4	1833.0	1833.0	1835.5	1833.0	1835.5	1835.5	1838.1	1838.1	1838.1
12.5°	1810.0	1812.5	1812.5	1817.6	1817.6	1817.6	1820.2	1820.2	1822.7	1825.3	1825.3
15°	1784.4	1787.0	1789.5	1789.5	1794.6	1799.7	1799.7	1802.3	1804.8	1807.4	1807.4
17.5°	1753.7	1756.3	1758.8	1763.9	1769.1	1774.2	1776.7	1776.7	1781.8	1784.4	1784.4
20°	1717.9	1723.0	1728.2	1733.3	1735.8	1743.5	1746.0	1748.6	1753.7	1758.8	1758.8
22.5°	1679.6	1682.1	1689.8	1694.9	1700.0	1707.7	1710.3	1717.9	1723.0	1725.6	1728.2
25°	1633.6	1638.7	1646.3	1651.5	1656.6	1666.8	1674.5	1679.6	1687.2	1692.4	1692.4
27.5°	1582.4	1590.1	1597.8	1602.9	1610.6	1623.3	1631.0	1636.1	1646.3	1651.5	1654.0
30°	1531.3	1536.4	1546.6	1554.3	1562.0	1574.8	1585.0	1592.7	1602.9	1608.0	1610.6
32.5°	1475.1	1482.7	1493.0	1500.6	1510.9	1523.6	1533.9	1541.5	1556.9	1559.4	1562.0
35°	1416.3	1423.9	1431.6	1444.4	1454.6	1467.4	1480.2	1490.4	1498.1	1508.3	1510.9
37.5°	1354.9	1362.6	1372.8	1383.0	1393.3	1408.6	1421.4	1429.0	1441.8	1449.5	1454.6
40°	1291.0	1298.7	1311.5	1324.2	1331.9	1347.2	1360.0	1370.3	1388.1	1393.3	1393.3
42.5°	1222.0	1232.2	1239.9	1255.2	1262.9	1280.8	1293.6	1308.9	1319.1	1326.8	1329.3
45°	1155.5	1163.2	1178.5	1188.7	1196.4	1214.3	1227.1	1239.9	1252.7	1257.8	1262.9
47.5°	1083.9	1094.2	1106.9	1112.1	1124.8	1142.7	1155.5	1168.3	1183.6	1188.7	1191.3
50°	1014.9	1022.6	1030.2	1040.5	1050.7	1068.6	1083.9	1096.7	1109.5	1114.6	1117.2
52.5°	943.3	951.0	958.7	971.4	976.6	994.5	1002.1	1014.9	1032.8	1037.9	1040.5
55°	869.2	879.4	889.6	897.3	902.4	917.8	928.0	943.3	953.6	958.7	963.8
57.5°	795.1	802.7	812.9	823.2	825.7	841.1	853.9	861.5	874.3	879.4	884.5
60°	723.5	731.1	738.8	741.4	749.0	764.4	777.2	782.3	795.1	800.2	802.7
62.5°	646.8	649.3	659.6	667.2	667.2	687.7	695.4	705.6	715.8	718.4	723.5
65°	575.2	580.3	580.3	585.4	593.1	605.9	611.0	623.8	631.4	634.0	636.6
67.5°	503.6	508.7	513.8	519.0	519.0	531.7	534.3	544.5	552.2	554.7	557.3
70°	434.6	434.6	442.3	447.4	444.8	455.0	460.2	465.3	475.5	478.1	480.6
72.5°	368.1	365.6	370.7	375.8	380.9	383.5	388.6	391.1	398.8	403.9	406.5
75°	301.7	304.2	304.2	306.8	304.2	306.8	314.4	322.1	327.2	329.8	334.9
77.5°	235.2	237.7	237.7	240.3	242.9	242.9	245.4	255.6	260.8	263.3	260.8
80°	173.8	176.4	176.4	179.0	181.5	184.1	184.1	189.2	196.8	199.4	199.4
82.5°	122.7	122.7	122.7	122.7	125.3	125.3	127.8	132.9	138.0	138.0	143.2
85°	74.1	74.1	71.6	74.1	71.6	74.1	76.7	81.8	84.4	84.4	86.9
87.5°	33.2	30.7	33.2	33.2	30.7	30.7	30.7	33.2	33.2	35.8	35.8
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: P571985

CATALOG NUMBER: 22ID-50-L840-SWR

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1861.1	1861.1	1861.1	1861.1
2.5°	1861.1	1861.1	1861.1	1861.1
5°	1856.0	1856.0	1856.0	1856.0
7.5°	1848.3	1848.3	1848.3	1848.3
10°	1838.1	1840.6	1840.6	1840.6
12.5°	1825.3	1825.3	1827.9	1827.9
15°	1810.0	1810.0	1810.0	1812.5
17.5°	1787.0	1789.5	1789.5	1789.5
20°	1761.4	1763.9	1763.9	1761.4
22.5°	1728.2	1730.7	1733.3	1733.3
25°	1694.9	1700.0	1702.6	1702.6
27.5°	1656.6	1661.7	1664.2	1664.2
30°	1615.7	1620.8	1620.8	1620.8
32.5°	1567.1	1574.8	1577.3	1577.3
35°	1516.0	1526.2	1528.8	1528.8
37.5°	1462.3	1467.4	1475.1	1475.1
40°	1403.5	1408.6	1416.3	1416.3
42.5°	1339.6	1349.8	1349.8	1354.9
45°	1270.6	1280.8	1283.3	1288.4
47.5°	1201.5	1211.8	1214.3	1216.9
50°	1127.4	1135.1	1142.7	1142.7
52.5°	1053.3	1058.4	1063.5	1068.6
55°	974.0	981.7	984.2	989.3
57.5°	892.2	902.4	905.0	910.1
60°	812.9	820.6	825.7	828.3
62.5°	733.7	738.8	741.4	746.5
65°	646.8	654.4	654.4	659.6
67.5°	567.5	572.6	575.2	577.8
70°	483.2	493.4	495.9	501.1
72.5°	409.0	419.3	419.3	424.4
75°	342.6	345.1	345.1	350.2
77.5°	271.0	273.5	276.1	278.7
80°	204.5	207.1	207.1	212.2
82.5°	145.7	145.7	145.7	148.3
85°	89.5	86.9	84.4	86.9
87.5°	35.8	35.8	38.3	33.2
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P571985

CATALOG NUMBER: 22ID-50-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	17.51	19.14	17.88	19.45	19.77	16.39	18.02	16.76	18.34	18.65
	3H	19.26	20.73	19.64	21.06	21.42	18.01	19.48	18.39	19.81	20.17
	4H	19.92	21.31	20.32	21.65	22.03	18.60	19.99	19.00	20.34	20.71
	6H	20.41	21.70	20.82	22.06	22.45	19.04	20.32	19.45	20.69	21.08
	8H	20.57	21.80	20.99	22.18	22.58	19.17	20.40	19.59	20.78	21.18
	12H	20.67	21.84	21.10	22.22	22.65	19.25	20.43	19.68	20.81	21.24
4H	2H	17.99	19.38	18.39	19.73	20.10	17.09	18.48	17.49	18.83	19.20
	3H	19.97	21.13	20.38	21.53	21.93	18.92	20.08	19.33	20.48	20.88
	4H	20.77	21.82	21.20	22.23	22.66	19.63	20.67	20.06	21.09	21.52
	6H	21.40	22.31	21.85	22.76	23.21	20.17	21.09	20.62	21.53	21.98
	8H	21.61	22.47	22.07	22.91	23.38	20.34	21.20	20.80	21.64	22.11
	12H	21.76	22.53	22.24	23.00	23.47	20.46	21.23	20.94	21.70	22.17
8H	4H	21.00	21.86	21.46	22.30	22.77	19.97	20.83	20.43	21.27	21.74
	6H	21.74	22.46	22.24	22.95	23.42	20.62	21.34	21.12	21.83	22.30
	8H	22.03	22.67	22.54	23.18	23.66	20.86	21.50	21.37	22.01	22.49
	12H	22.25	22.82	22.76	23.31	23.87	21.04	21.60	21.54	22.09	22.65
12H	4H	21.02	21.79	21.50	22.27	22.74	20.02	20.79	20.50	21.26	21.73
	6H	21.78	22.42	22.29	22.93	23.41	20.69	21.33	21.20	21.84	22.32
	8H	22.12	22.68	22.62	23.17	23.73	20.98	21.55	21.49	22.04	22.60