

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: P571977

Luminaire Tested: 22ID-50-L830-SWR

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P571977
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-L830-SWR
Description: 5000 LUMEN, 2X2 INDEPTH TROFFER WITH 2IN REGRESSED SWEEP LENS AND 3000K, 80 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4913.0 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.2 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

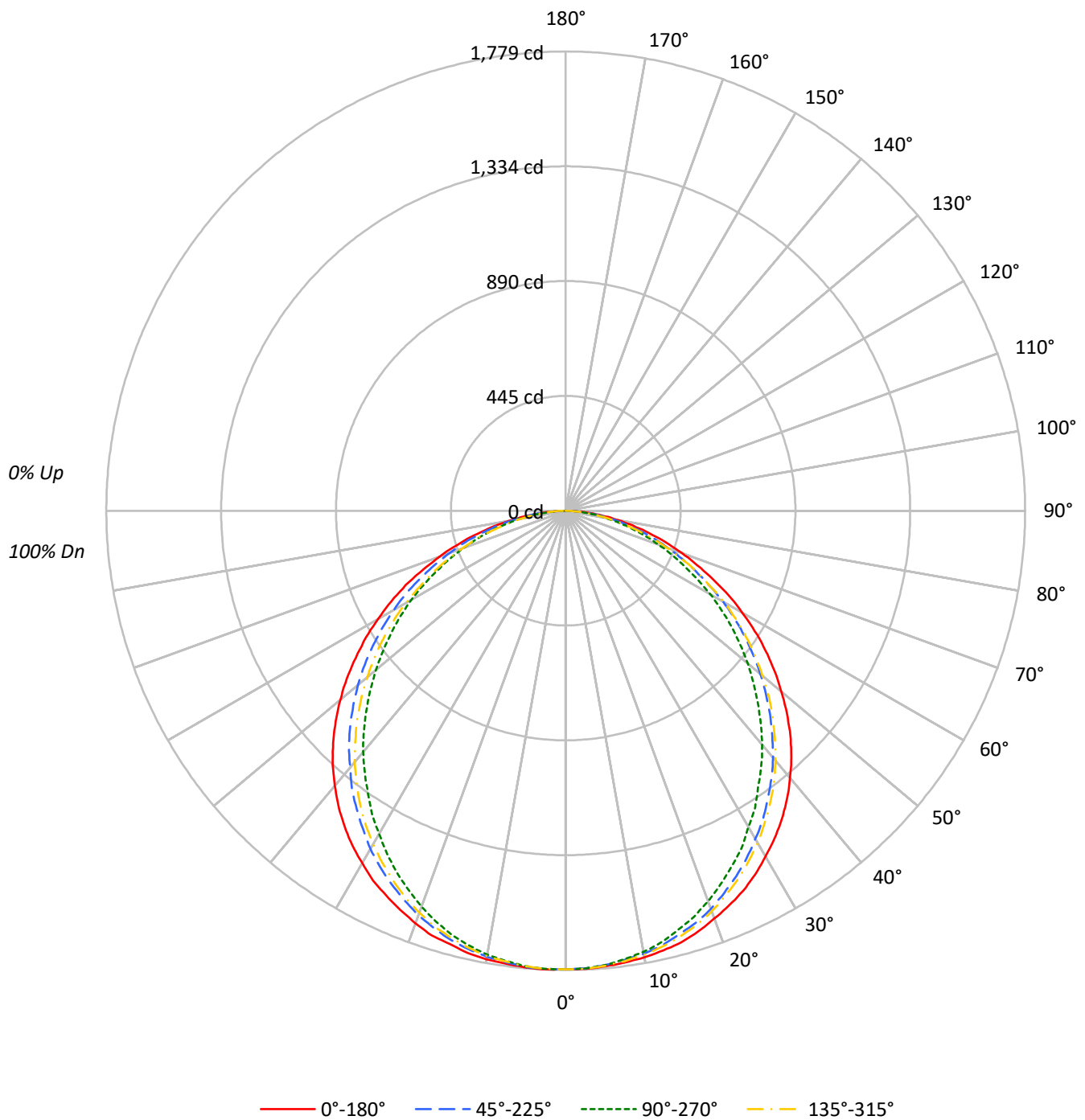
Input Watts (W): 41.1
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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CATALOG NUMBER: 22ID-50-L830-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°	4781	4781	4781	4781
5°	4786	4772	4799	4786
10°	4801	4741	4821	4774
15°	4820	4684	4840	4738
20°	4815	4612	4871	4675
25°	4825	4514	4883	4594
30°	4807	4398	4898	4489
35°	4794	4273	4906	4385
40°	4749	4157	4886	4286
45°	4681	4002	4848	4151
50°	4567	3852	4771	4015
55°	4431	3675	4660	3870
60°	4255	3481	4518	3717
65°	4009	3232	4351	3496
70°	3763	2995	4090	3302
75°	3476	2715	3805	3070
80°	3138	2382	3366	2760
85°	2563	1958	2637	2334

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 180°

Vertical Angle: 45°

Luminance: 4848 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.3	3.4
10°-20°	482.8	9.8
20°-30°	728.8	14.8
30°-40°	870.1	17.7
40°-50°	887.8	18.1
50°-60°	783.0	15.9
60°-70°	578.6	11.8
70°-80°	326.3	6.6
80°-90°	87.4	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°	1379.8	28.1
0°-40°	2249.9	45.8
0°-60°	3920.7	79.8
0°-90°	4913.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4913.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1776	1776	1776	1776	1776	
5°	1772	1767	1776	1772	1772	169
15°	1730	1681	1737	1701	1730	488
25°	1625	1520	1645	1547	1625	748
35°	1459	1301	1493	1335	1459	912
45°	1230	1052	1274	1091	1230	947
55°	944	783	993	825	944	844
65°	630	508	683	549	630	625
75°	334	261	366	295	334	355
85°	83	63	85	76	83	97
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°	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5
2.5°	1776.5	1776.5	1776.5	1776.5	1774.0	1771.6	1771.6	1774.0	1774.0	1771.6	1774.0
5°	1771.6	1771.6	1771.6	1769.2	1766.7	1766.7	1766.7	1766.7	1764.3	1766.7	1766.7
7.5°	1764.3	1764.3	1764.3	1761.8	1759.4	1759.4	1759.4	1757.0	1754.5	1757.0	1754.5
10°	1757.0	1754.5	1754.5	1754.5	1749.6	1747.2	1747.2	1747.2	1744.8	1744.8	1742.3
12.5°	1744.8	1742.3	1742.3	1739.9	1737.4	1735.0	1732.6	1730.1	1727.7	1725.2	1725.2
15°	1730.1	1730.1	1725.2	1722.8	1717.9	1715.5	1713.0	1710.6	1705.7	1703.3	1698.4
17.5°	1708.2	1708.2	1703.3	1700.8	1695.9	1691.1	1691.1	1686.2	1681.3	1676.4	1674.0
20°	1681.3	1683.7	1681.3	1676.4	1669.1	1666.7	1664.2	1659.3	1652.0	1647.1	1642.3
22.5°	1654.5	1656.9	1652.0	1644.7	1639.8	1637.4	1632.5	1625.2	1617.9	1610.5	1603.2
25°	1625.2	1622.7	1617.9	1613.0	1605.7	1603.2	1598.3	1591.0	1578.8	1571.5	1561.7
27.5°	1588.6	1588.6	1581.3	1576.4	1564.2	1564.2	1556.9	1547.1	1537.3	1525.1	1517.8
30°	1547.1	1547.1	1542.2	1534.9	1522.7	1520.3	1512.9	1505.6	1491.0	1478.8	1469.0
32.5°	1505.6	1503.2	1498.3	1491.0	1478.8	1473.9	1466.6	1456.8	1444.6	1427.5	1420.2
35°	1459.2	1456.8	1449.5	1439.7	1430.0	1425.1	1417.8	1405.6	1393.4	1376.3	1364.1
37.5°	1408.0	1405.6	1398.2	1388.5	1376.3	1371.4	1364.1	1351.9	1334.8	1322.6	1308.0
40°	1351.9	1349.4	1344.6	1334.8	1322.6	1317.7	1308.0	1295.8	1276.2	1261.6	1249.4
42.5°	1293.3	1290.9	1283.6	1271.4	1261.6	1256.7	1246.9	1234.7	1217.7	1200.6	1183.5
45°	1229.9	1227.4	1220.1	1205.5	1198.1	1190.8	1181.1	1168.9	1154.2	1139.6	1120.1
47.5°	1161.5	1159.1	1154.2	1142.0	1127.4	1124.9	1115.2	1103.0	1085.9	1066.4	1051.7
50°	1090.8	1090.8	1083.5	1073.7	1063.9	1056.6	1046.9	1034.7	1012.7	1000.5	983.4
52.5°	1020.0	1017.6	1012.7	1000.5	993.2	985.8	973.6	966.3	944.4	934.6	915.1
55°	944.4	941.9	932.2	924.8	920.0	912.6	902.9	888.2	876.0	861.4	844.3
57.5°	868.7	866.3	859.0	854.1	844.3	837.0	827.2	817.5	800.4	790.6	773.5
60°	790.6	790.6	785.7	778.4	768.7	761.3	754.0	744.3	729.6	715.0	702.8
62.5°	712.5	712.5	705.2	697.9	693.0	685.7	680.8	668.6	656.4	646.7	627.1
65°	629.6	629.6	619.8	617.4	612.5	607.6	600.3	588.1	580.8	563.7	556.4
67.5°	551.5	553.9	546.6	546.6	539.3	534.4	527.1	517.3	510.0	495.4	488.0
70°	478.3	480.7	475.8	473.4	466.1	461.2	456.3	449.0	439.2	434.4	422.2
72.5°	405.1	407.5	402.6	402.6	395.3	392.9	388.0	383.1	373.4	368.5	356.3
75°	334.3	331.9	331.9	334.3	327.0	324.5	322.1	312.3	307.5	302.6	292.8
77.5°	266.0	266.0	268.4	266.0	261.1	258.7	253.8	246.5	244.0	241.6	231.8
80°	202.5	205.0	205.0	202.5	197.7	195.2	192.8	185.5	183.0	183.0	175.7
82.5°	141.5	141.5	139.1	141.5	136.7	134.2	136.7	129.3	126.9	126.9	122.0
85°	83.0	80.5	80.5	83.0	80.5	80.5	80.5	75.6	75.6	75.6	70.8
87.5°	31.7	31.7	34.2	34.2	31.7	31.7	31.7	31.7	29.3	29.3	26.8
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°	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5
2.5°	1771.6	1771.6	1771.6	1771.6	1774.0	1771.6	1774.0	1774.0	1776.5	1774.0	1776.5
5°	1766.7	1766.7	1764.3	1764.3	1764.3	1764.3	1764.3	1764.3	1764.3	1766.7	1766.7
7.5°	1754.5	1754.5	1752.1	1752.1	1752.1	1752.1	1749.6	1749.6	1752.1	1752.1	1752.1
10°	1739.9	1737.4	1735.0	1735.0	1735.0	1735.0	1732.6	1735.0	1735.0	1735.0	1735.0
12.5°	1717.9	1717.9	1715.5	1713.0	1713.0	1713.0	1710.6	1713.0	1713.0	1713.0	1713.0
15°	1695.9	1693.5	1691.1	1686.2	1686.2	1683.7	1681.3	1683.7	1681.3	1681.3	1683.7
17.5°	1664.2	1664.2	1659.3	1656.9	1654.5	1652.0	1649.6	1649.6	1649.6	1649.6	1654.5
20°	1632.5	1630.1	1625.2	1615.4	1617.9	1615.4	1610.5	1613.0	1613.0	1610.5	1610.5
22.5°	1598.3	1588.6	1583.7	1573.9	1576.4	1571.5	1569.1	1571.5	1569.1	1566.6	1571.5
25°	1552.0	1547.1	1534.9	1534.9	1530.0	1527.6	1527.6	1525.1	1522.7	1520.3	1525.1
27.5°	1510.5	1500.7	1493.4	1483.7	1478.8	1478.8	1476.3	1473.9	1469.0	1473.9	1473.9
30°	1459.2	1449.5	1437.3	1432.4	1427.5	1427.5	1422.6	1420.2	1415.3	1415.3	1422.6
32.5°	1410.4	1395.8	1383.6	1376.3	1373.8	1371.4	1369.0	1359.2	1361.6	1364.1	1366.5
35°	1351.9	1339.7	1329.9	1322.6	1315.3	1312.8	1310.4	1303.1	1303.1	1300.6	1308.0
37.5°	1295.8	1281.1	1273.8	1261.6	1256.7	1251.8	1249.4	1244.5	1242.1	1244.5	1246.9
40°	1234.7	1222.5	1210.3	1198.1	1193.3	1190.8	1183.5	1183.5	1178.6	1183.5	1183.5
42.5°	1171.3	1159.1	1144.5	1134.7	1129.8	1124.9	1120.1	1117.6	1117.6	1117.6	1120.1
45°	1107.9	1093.2	1078.6	1068.8	1063.9	1061.5	1054.2	1051.7	1046.9	1051.7	1054.2
47.5°	1039.5	1027.3	1012.7	1005.4	998.0	995.6	988.3	983.4	981.0	985.8	985.8
50°	971.2	959.0	946.8	937.0	929.7	927.3	920.0	920.0	915.1	920.0	920.0
52.5°	902.9	890.7	878.5	866.3	861.4	859.0	851.6	851.6	851.6	851.6	851.6
55°	834.6	817.5	810.2	798.0	793.1	790.6	788.2	780.9	783.3	783.3	783.3
57.5°	763.8	751.6	736.9	732.1	724.7	722.3	722.3	712.5	710.1	715.0	715.0
60°	693.0	683.3	668.6	661.3	656.4	656.4	649.1	639.3	636.9	646.7	646.7
62.5°	619.8	605.2	597.9	590.5	585.7	583.2	580.8	573.5	575.9	573.5	573.5
65°	551.5	536.8	532.0	524.6	519.8	517.3	514.9	510.0	505.1	507.6	507.6
67.5°	483.2	471.0	463.6	458.8	453.9	453.9	449.0	444.1	446.6	444.1	444.1
70°	417.3	407.5	397.8	395.3	390.4	390.4	388.0	385.6	383.1	380.7	380.7
72.5°	353.8	344.1	336.7	331.9	329.4	329.4	327.0	319.7	322.1	319.7	319.7
75°	287.9	280.6	278.2	273.3	270.9	270.9	268.4	263.5	266.0	261.1	256.2
77.5°	229.4	222.1	219.6	217.2	219.6	217.2	209.9	212.3	209.9	205.0	205.0
80°	175.7	168.4	168.4	163.5	161.1	161.1	158.6	158.6	156.2	153.7	153.7
82.5°	119.6	117.1	114.7	112.2	109.8	114.7	109.8	107.4	107.4	107.4	104.9
85°	68.3	68.3	65.9	65.9	63.4	65.9	63.4	61.0	63.4	63.4	58.6
87.5°	26.8	29.3	24.4	24.4	24.4	24.4	22.0	24.4	24.4	24.4	22.0
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°	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5
2.5°	1776.5	1774.0	1774.0	1774.0	1774.0	1771.6	1774.0	1774.0	1776.5	1774.0	1774.0
5°	1766.7	1764.3	1766.7	1764.3	1764.3	1766.7	1766.7	1769.2	1769.2	1771.6	1771.6
7.5°	1752.1	1752.1	1752.1	1752.1	1752.1	1754.5	1754.5	1757.0	1759.4	1759.4	1761.8
10°	1735.0	1735.0	1737.4	1735.0	1737.4	1739.9	1742.3	1744.8	1747.2	1749.6	1749.6
12.5°	1713.0	1713.0	1713.0	1717.9	1717.9	1720.4	1722.8	1727.7	1730.1	1735.0	1735.0
15°	1683.7	1683.7	1688.6	1688.6	1691.1	1695.9	1700.8	1703.3	1708.2	1713.0	1715.5
17.5°	1652.0	1652.0	1656.9	1656.9	1659.3	1666.7	1671.5	1674.0	1683.7	1688.6	1693.5
20°	1615.4	1615.4	1622.7	1620.3	1625.2	1632.5	1637.4	1644.7	1652.0	1659.3	1664.2
22.5°	1571.5	1573.9	1581.3	1581.3	1583.7	1593.5	1600.8	1608.1	1615.4	1625.2	1632.5
25°	1525.1	1527.6	1534.9	1537.3	1539.8	1549.5	1559.3	1564.2	1576.4	1588.6	1593.5
27.5°	1473.9	1478.8	1483.7	1486.1	1491.0	1503.2	1512.9	1522.7	1532.5	1544.7	1554.4
30°	1422.6	1427.5	1432.4	1434.8	1439.7	1451.9	1461.7	1473.9	1486.1	1498.3	1508.1
32.5°	1364.1	1371.4	1376.3	1381.2	1383.6	1398.2	1410.4	1422.6	1434.8	1449.5	1461.7
35°	1308.0	1315.3	1320.2	1322.6	1327.5	1342.1	1351.9	1364.1	1381.2	1395.8	1408.0
37.5°	1246.9	1251.8	1261.6	1261.6	1266.5	1283.6	1295.8	1308.0	1325.0	1339.7	1354.3
40°	1185.9	1188.4	1198.1	1200.6	1205.5	1222.5	1234.7	1251.8	1264.0	1281.1	1295.8
42.5°	1120.1	1127.4	1137.1	1142.0	1146.9	1156.7	1166.4	1185.9	1198.1	1217.7	1232.3
45°	1054.2	1061.5	1066.4	1068.8	1081.0	1090.8	1100.5	1120.1	1134.7	1151.8	1168.9
47.5°	988.3	993.2	1000.5	1010.2	1015.1	1024.9	1032.2	1051.7	1066.4	1085.9	1100.5
50°	920.0	927.3	932.2	934.6	944.4	956.6	966.3	983.4	995.6	1015.1	1032.2
52.5°	851.6	861.4	861.4	871.2	876.0	880.9	895.6	912.6	924.8	941.9	959.0
55°	785.7	790.6	798.0	800.4	807.7	812.6	822.4	839.4	854.1	871.2	888.2
57.5°	712.5	717.4	722.3	732.1	736.9	746.7	756.5	768.7	780.9	798.0	810.2
60°	641.8	649.1	654.0	661.3	661.3	673.5	685.7	697.9	707.7	724.7	736.9
62.5°	578.3	578.3	578.3	588.1	585.7	595.4	605.2	619.8	629.6	651.5	666.2
65°	510.0	512.4	512.4	519.8	517.3	527.1	534.4	549.0	558.8	571.0	585.7
67.5°	444.1	444.1	446.6	453.9	451.4	458.8	471.0	478.3	485.6	500.2	512.4
70°	375.8	378.2	380.7	388.0	385.6	395.3	402.6	407.5	417.3	427.0	436.8
72.5°	317.2	317.2	324.5	324.5	322.1	329.4	336.7	341.6	346.5	358.7	370.9
75°	261.1	258.7	263.5	263.5	261.1	263.5	268.4	275.7	280.6	290.4	300.1
77.5°	205.0	202.5	207.4	207.4	207.4	205.0	212.3	214.7	217.2	222.1	231.8
80°	151.3	148.9	153.7	153.7	148.9	151.3	156.2	158.6	158.6	163.5	170.8
82.5°	104.9	102.5	104.9	104.9	104.9	104.9	107.4	104.9	107.4	107.4	114.7
85°	63.4	61.0	63.4	61.0	61.0	58.6	63.4	61.0	61.0	63.4	63.4
87.5°	22.0	22.0	24.4	24.4	22.0	24.4	22.0	22.0	22.0	24.4	22.0
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: P571977

CATALOG NUMBER: 22ID-50-L830-SWR

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5
2.5°	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1778.9	1778.9	1776.5	1778.9	1776.5
5°	1771.6	1771.6	1774.0	1774.0	1774.0	1774.0	1774.0	1776.5	1776.5	1776.5	1774.0
7.5°	1764.3	1764.3	1764.3	1764.3	1766.7	1769.2	1769.2	1769.2	1771.6	1769.2	1769.2
10°	1752.1	1757.0	1757.0	1759.4	1759.4	1761.8	1764.3	1764.3	1764.3	1764.3	1764.3
12.5°	1739.9	1742.3	1744.8	1747.2	1749.6	1749.6	1754.5	1754.5	1754.5	1754.5	1752.1
15°	1720.4	1725.2	1727.7	1730.1	1735.0	1735.0	1739.9	1737.4	1742.3	1739.9	1737.4
17.5°	1698.4	1703.3	1708.2	1708.2	1715.5	1717.9	1722.8	1725.2	1725.2	1722.8	1717.9
20°	1671.5	1678.9	1681.3	1686.2	1691.1	1695.9	1698.4	1700.8	1703.3	1700.8	1698.4
22.5°	1639.8	1649.6	1652.0	1656.9	1664.2	1669.1	1671.5	1674.0	1676.4	1676.4	1671.5
25°	1605.7	1617.9	1617.9	1625.2	1632.5	1639.8	1644.7	1644.7	1649.6	1644.7	1644.7
27.5°	1564.2	1578.8	1586.1	1588.6	1598.3	1605.7	1610.5	1615.4	1615.4	1610.5	1610.5
30°	1522.7	1537.3	1544.7	1547.1	1559.3	1566.6	1571.5	1576.4	1576.4	1576.4	1571.5
32.5°	1476.3	1493.4	1500.7	1503.2	1517.8	1525.1	1532.5	1537.3	1537.3	1534.9	1527.6
35°	1427.5	1439.7	1451.9	1456.8	1469.0	1476.3	1488.5	1493.4	1491.0	1491.0	1483.7
37.5°	1371.4	1390.9	1398.2	1403.1	1417.8	1427.5	1439.7	1444.6	1444.6	1442.2	1437.3
40°	1312.8	1334.8	1342.1	1349.4	1364.1	1376.3	1383.6	1390.9	1390.9	1390.9	1386.0
42.5°	1254.3	1271.4	1281.1	1288.4	1305.5	1312.8	1325.0	1334.8	1334.8	1332.4	1325.0
45°	1188.4	1207.9	1217.7	1225.0	1242.1	1256.7	1264.0	1273.8	1271.4	1271.4	1261.6
47.5°	1122.5	1142.0	1151.8	1159.1	1176.2	1193.3	1198.1	1207.9	1207.9	1207.9	1198.1
50°	1054.2	1073.7	1081.0	1088.3	1107.9	1117.6	1129.8	1139.6	1139.6	1142.0	1132.3
52.5°	983.4	998.0	1010.2	1015.1	1034.7	1046.9	1056.6	1068.8	1068.8	1063.9	1063.9
55°	907.8	924.8	937.0	941.9	956.6	976.1	983.4	993.2	993.2	993.2	988.3
57.5°	832.1	851.6	861.4	866.3	883.4	898.0	907.8	917.5	920.0	920.0	910.2
60°	754.0	773.5	783.3	788.2	807.7	819.9	829.7	839.4	841.9	844.3	834.6
62.5°	680.8	697.9	707.7	712.5	727.2	736.9	749.1	761.3	763.8	763.8	758.9
65°	600.3	617.4	624.7	629.6	641.8	658.9	673.5	683.3	685.7	683.3	683.3
67.5°	524.6	539.3	549.0	551.5	563.7	580.8	588.1	597.9	600.3	600.3	597.9
70°	449.0	466.1	473.4	478.3	488.0	502.7	510.0	519.8	522.2	524.6	519.8
72.5°	378.2	390.4	397.8	402.6	414.8	427.0	431.9	441.7	446.6	446.6	441.7
75°	307.5	319.7	324.5	329.4	339.2	351.4	356.3	366.0	370.9	368.5	368.5
77.5°	239.1	248.9	253.8	256.2	263.5	278.2	280.6	290.4	290.4	292.8	292.8
80°	175.7	183.0	187.9	190.3	195.2	205.0	209.9	217.2	222.1	219.6	219.6
82.5°	117.1	122.0	126.9	131.8	131.8	141.5	141.5	148.9	148.9	153.7	151.3
85°	65.9	68.3	70.8	73.2	73.2	80.5	80.5	85.4	90.3	85.4	85.4
87.5°	22.0	24.4	24.4	26.8	24.4	29.3	26.8	31.7	34.2	34.2	31.7
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: P571977

CATALOG NUMBER: 22ID-50-L830-SWR

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5
2.5°	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5
5°	1774.0	1774.0	1771.6	1774.0	1774.0	1774.0	1774.0	1771.6	1771.6	1771.6	1771.6
7.5°	1769.2	1766.7	1766.7	1766.7	1764.3	1764.3	1764.3	1764.3	1761.8	1761.8	1761.8
10°	1761.8	1759.4	1759.4	1759.4	1757.0	1757.0	1754.5	1752.1	1752.1	1749.6	1747.2
12.5°	1752.1	1749.6	1747.2	1747.2	1744.8	1742.3	1739.9	1737.4	1735.0	1730.1	1730.1
15°	1735.0	1735.0	1732.6	1730.1	1725.2	1725.2	1720.4	1717.9	1713.0	1708.2	1708.2
17.5°	1717.9	1715.5	1713.0	1708.2	1703.3	1700.8	1695.9	1691.1	1686.2	1681.3	1678.9
20°	1695.9	1688.6	1691.1	1683.7	1678.9	1674.0	1666.7	1661.8	1654.5	1649.6	1644.7
22.5°	1666.7	1664.2	1661.8	1654.5	1647.1	1644.7	1632.5	1625.2	1617.9	1610.5	1605.7
25°	1634.9	1632.5	1630.1	1622.7	1613.0	1608.1	1595.9	1588.6	1576.4	1571.5	1566.6
27.5°	1598.3	1598.3	1593.5	1583.7	1576.4	1564.2	1556.9	1542.2	1532.5	1525.1	1520.3
30°	1559.3	1559.3	1554.4	1542.2	1532.5	1520.3	1512.9	1498.3	1486.1	1478.8	1469.0
32.5°	1520.3	1517.8	1512.9	1500.7	1488.5	1476.3	1461.7	1449.5	1434.8	1427.5	1417.8
35°	1473.9	1471.4	1466.6	1451.9	1442.2	1427.5	1410.4	1395.8	1381.2	1373.8	1359.2
37.5°	1425.1	1420.2	1415.3	1398.2	1386.0	1371.4	1359.2	1339.7	1325.0	1315.3	1308.0
40°	1371.4	1369.0	1361.6	1347.0	1329.9	1315.3	1298.2	1283.6	1268.9	1256.7	1246.9
42.5°	1317.7	1308.0	1303.1	1288.4	1276.2	1254.3	1242.1	1222.5	1207.9	1198.1	1183.5
45°	1256.7	1249.4	1242.1	1227.4	1210.3	1193.3	1181.1	1159.1	1144.5	1132.3	1120.1
47.5°	1188.4	1185.9	1178.6	1161.5	1146.9	1129.8	1115.2	1093.2	1078.6	1068.8	1056.6
50°	1120.1	1117.6	1112.7	1095.7	1076.1	1061.5	1049.3	1027.3	1012.7	998.0	990.7
52.5°	1056.6	1046.9	1042.0	1027.3	1007.8	990.7	981.0	959.0	944.4	929.7	920.0
55°	983.4	976.1	971.2	959.0	941.9	920.0	910.2	890.7	878.5	868.7	854.1
57.5°	910.2	900.4	895.6	880.9	868.7	851.6	839.4	819.9	807.7	798.0	788.2
60°	827.2	827.2	822.4	807.7	795.5	778.4	768.7	749.1	736.9	729.6	717.4
62.5°	758.9	749.1	746.7	729.6	722.3	705.2	697.9	680.8	673.5	661.3	649.1
65°	673.5	673.5	671.1	661.3	651.5	629.6	619.8	605.2	597.9	588.1	578.3
67.5°	597.9	590.5	590.5	580.8	568.6	556.4	549.0	534.4	529.5	517.3	510.0
70°	522.2	514.9	514.9	502.7	495.4	483.2	478.3	466.1	456.3	451.4	444.1
72.5°	446.6	441.7	439.2	429.5	424.6	412.4	410.0	397.8	388.0	385.6	378.2
75°	370.9	366.0	358.7	361.2	351.4	341.6	339.2	331.9	327.0	319.7	312.3
77.5°	295.3	290.4	290.4	285.5	280.6	273.3	270.9	266.0	258.7	253.8	248.9
80°	224.5	219.6	219.6	217.2	209.9	205.0	205.0	197.7	197.7	192.8	190.3
82.5°	153.7	151.3	148.9	151.3	146.4	141.5	144.0	141.5	139.1	134.2	131.8
85°	90.3	87.8	85.4	90.3	85.4	87.8	85.4	83.0	83.0	80.5	78.1
87.5°	34.2	34.2	31.7	34.2	34.2	36.6	34.2	34.2	34.2	34.2	34.2
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: P571977

CATALOG NUMBER: 22ID-50-L830-SWR

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5
2.5°	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5
5°	1771.6	1771.6	1771.6	1771.6	1771.6	1771.6	1771.6	1771.6	1771.6	1769.2	1771.6
7.5°	1761.8	1759.4	1761.8	1759.4	1759.4	1759.4	1759.4	1759.4	1759.4	1759.4	1759.4
10°	1747.2	1747.2	1747.2	1747.2	1747.2	1747.2	1747.2	1747.2	1747.2	1744.8	1744.8
12.5°	1730.1	1730.1	1727.7	1727.7	1727.7	1725.2	1725.2	1727.7	1727.7	1725.2	1727.7
15°	1705.7	1708.2	1703.3	1700.8	1700.8	1700.8	1700.8	1700.8	1700.8	1700.8	1703.3
17.5°	1678.9	1676.4	1674.0	1674.0	1671.5	1669.1	1669.1	1671.5	1671.5	1674.0	1674.0
20°	1644.7	1644.7	1639.8	1637.4	1634.9	1632.5	1632.5	1634.9	1634.9	1634.9	1639.8
22.5°	1605.7	1603.2	1598.3	1595.9	1595.9	1591.0	1593.5	1595.9	1595.9	1595.9	1598.3
25°	1561.7	1559.3	1556.9	1554.4	1549.5	1547.1	1547.1	1552.0	1552.0	1556.9	1559.3
27.5°	1515.4	1512.9	1508.1	1503.2	1500.7	1498.3	1498.3	1503.2	1503.2	1508.1	1510.5
30°	1466.6	1464.1	1456.8	1454.4	1447.0	1444.6	1447.0	1451.9	1454.4	1456.8	1459.2
32.5°	1415.3	1410.4	1403.1	1400.7	1393.4	1395.8	1390.9	1398.2	1400.7	1403.1	1405.6
35°	1359.2	1354.3	1347.0	1339.7	1337.2	1334.8	1334.8	1339.7	1339.7	1347.0	1349.4
37.5°	1298.2	1295.8	1288.4	1283.6	1278.7	1278.7	1273.8	1281.1	1283.6	1288.4	1288.4
40°	1242.1	1239.6	1227.4	1222.5	1217.7	1220.1	1212.8	1220.1	1222.5	1227.4	1229.9
42.5°	1176.2	1173.7	1164.0	1159.1	1154.2	1156.7	1149.3	1156.7	1154.2	1161.5	1164.0
45°	1112.7	1110.3	1103.0	1093.2	1088.3	1090.8	1090.8	1090.8	1088.3	1095.7	1098.1
47.5°	1049.3	1044.4	1037.1	1027.3	1022.4	1024.9	1024.9	1024.9	1022.4	1032.2	1032.2
50°	983.4	978.5	971.2	961.4	959.0	959.0	959.0	959.0	959.0	963.9	966.3
52.5°	915.1	912.6	905.3	895.6	890.7	890.7	890.7	885.8	890.7	893.1	895.6
55°	846.8	844.3	832.1	827.2	822.4	824.8	822.4	819.9	819.9	824.8	827.2
57.5°	778.4	776.0	768.7	766.2	754.0	756.5	754.0	754.0	756.5	756.5	758.9
60°	710.1	707.7	700.3	697.9	688.1	690.6	680.8	685.7	688.1	688.1	688.1
62.5°	636.9	636.9	624.7	619.8	614.9	617.4	610.1	610.1	610.1	614.9	614.9
65°	571.0	568.6	558.8	553.9	549.0	549.0	544.2	544.2	541.7	546.6	546.6
67.5°	502.7	502.7	492.9	488.0	483.2	485.6	478.3	478.3	480.7	480.7	480.7
70°	436.8	436.8	429.5	427.0	419.7	419.7	412.4	414.8	414.8	414.8	414.8
72.5°	373.4	373.4	366.0	363.6	356.3	356.3	349.0	351.4	351.4	349.0	349.0
75°	309.9	312.3	300.1	297.7	292.8	295.3	290.4	287.9	290.4	285.5	285.5
77.5°	246.5	246.5	244.0	241.6	234.3	234.3	231.8	226.9	229.4	224.5	224.5
80°	185.5	187.9	180.6	183.0	175.7	178.1	175.7	170.8	170.8	168.4	165.9
82.5°	129.3	129.3	126.9	129.3	126.9	124.5	122.0	119.6	119.6	114.7	114.7
85°	78.1	80.5	75.6	78.1	78.1	75.6	70.8	70.8	70.8	68.3	68.3
87.5°	31.7	36.6	34.2	34.2	34.2	34.2	31.7	34.2	31.7	29.3	29.3
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: P571977

CATALOG NUMBER: 22ID-50-L830-SWR

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5
2.5°	1774.0	1776.5	1776.5	1776.5	1776.5	1774.0	1774.0	1774.0	1774.0	1774.0	1776.5
5°	1769.2	1771.6	1771.6	1771.6	1771.6	1771.6	1771.6	1771.6	1771.6	1771.6	1771.6
7.5°	1759.4	1759.4	1761.8	1761.8	1761.8	1761.8	1764.3	1761.8	1764.3	1761.8	1764.3
10°	1744.8	1747.2	1749.6	1749.6	1752.1	1749.6	1752.1	1752.1	1754.5	1754.5	1754.5
12.5°	1727.7	1730.1	1730.1	1735.0	1735.0	1735.0	1737.4	1737.4	1739.9	1742.3	1742.3
15°	1703.3	1705.7	1708.2	1708.2	1713.0	1717.9	1717.9	1720.4	1722.8	1725.2	1725.2
17.5°	1674.0	1676.4	1678.9	1683.7	1688.6	1693.5	1695.9	1695.9	1700.8	1703.3	1703.3
20°	1639.8	1644.7	1649.6	1654.5	1656.9	1664.2	1666.7	1669.1	1674.0	1678.9	1678.9
22.5°	1603.2	1605.7	1613.0	1617.9	1622.7	1630.1	1632.5	1639.8	1644.7	1647.1	1649.6
25°	1559.3	1564.2	1571.5	1576.4	1581.3	1591.0	1598.3	1603.2	1610.5	1615.4	1615.4
27.5°	1510.5	1517.8	1525.1	1530.0	1537.3	1549.5	1556.9	1561.7	1571.5	1576.4	1578.8
30°	1461.7	1466.6	1476.3	1483.7	1491.0	1503.2	1512.9	1520.3	1530.0	1534.9	1537.3
32.5°	1408.0	1415.3	1425.1	1432.4	1442.2	1454.4	1464.1	1471.4	1486.1	1488.5	1491.0
35°	1351.9	1359.2	1366.5	1378.7	1388.5	1400.7	1412.9	1422.6	1430.0	1439.7	1442.2
37.5°	1293.3	1300.6	1310.4	1320.2	1329.9	1344.6	1356.8	1364.1	1376.3	1383.6	1388.5
40°	1232.3	1239.6	1251.8	1264.0	1271.4	1286.0	1298.2	1308.0	1325.0	1329.9	1329.9
42.5°	1166.4	1176.2	1183.5	1198.1	1205.5	1222.5	1234.7	1249.4	1259.2	1266.5	1268.9
45°	1103.0	1110.3	1124.9	1134.7	1142.0	1159.1	1171.3	1183.5	1195.7	1200.6	1205.5
47.5°	1034.7	1044.4	1056.6	1061.5	1073.7	1090.8	1103.0	1115.2	1129.8	1134.7	1137.1
50°	968.8	976.1	983.4	993.2	1002.9	1020.0	1034.7	1046.9	1059.1	1063.9	1066.4
52.5°	900.4	907.8	915.1	927.3	932.2	949.2	956.6	968.8	985.8	990.7	993.2
55°	829.7	839.4	849.2	856.5	861.4	876.0	885.8	900.4	910.2	915.1	920.0
57.5°	758.9	766.2	776.0	785.7	788.2	802.8	815.0	822.4	834.6	839.4	844.3
60°	690.6	697.9	705.2	707.7	715.0	729.6	741.8	746.7	758.9	763.8	766.2
62.5°	617.4	619.8	629.6	636.9	636.9	656.4	663.7	673.5	683.3	685.7	690.6
65°	549.0	553.9	553.9	558.8	566.1	578.3	583.2	595.4	602.7	605.2	607.6
67.5°	480.7	485.6	490.5	495.4	495.4	507.6	510.0	519.8	527.1	529.5	532.0
70°	414.8	414.8	422.2	427.0	424.6	434.4	439.2	444.1	453.9	456.3	458.8
72.5°	351.4	349.0	353.8	358.7	363.6	366.0	370.9	373.4	380.7	385.6	388.0
75°	287.9	290.4	290.4	292.8	290.4	292.8	300.1	307.5	312.3	314.8	319.7
77.5°	224.5	226.9	226.9	229.4	231.8	231.8	234.3	244.0	248.9	251.3	248.9
80°	165.9	168.4	168.4	170.8	173.3	175.7	175.7	180.6	187.9	190.3	190.3
82.5°	117.1	117.1	117.1	117.1	119.6	119.6	122.0	126.9	131.8	131.8	136.7
85°	70.8	70.8	68.3	70.8	68.3	70.8	73.2	78.1	80.5	80.5	83.0
87.5°	31.7	29.3	31.7	31.7	29.3	29.3	29.3	31.7	31.7	34.2	34.2
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: P571977

CATALOG NUMBER: 22ID-50-L830-SWR

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1776.5	1776.5	1776.5	1776.5
2.5°	1776.5	1776.5	1776.5	1776.5
5°	1771.6	1771.6	1771.6	1771.6
7.5°	1764.3	1764.3	1764.3	1764.3
10°	1754.5	1757.0	1757.0	1757.0
12.5°	1742.3	1742.3	1744.8	1744.8
15°	1727.7	1727.7	1727.7	1730.1
17.5°	1705.7	1708.2	1708.2	1708.2
20°	1681.3	1683.7	1683.7	1681.3
22.5°	1649.6	1652.0	1654.5	1654.5
25°	1617.9	1622.7	1625.2	1625.2
27.5°	1581.3	1586.1	1588.6	1588.6
30°	1542.2	1547.1	1547.1	1547.1
32.5°	1495.9	1503.2	1505.6	1505.6
35°	1447.0	1456.8	1459.2	1459.2
37.5°	1395.8	1400.7	1408.0	1408.0
40°	1339.7	1344.6	1351.9	1351.9
42.5°	1278.7	1288.4	1288.4	1293.3
45°	1212.8	1222.5	1225.0	1229.9
47.5°	1146.9	1156.7	1159.1	1161.5
50°	1076.1	1083.5	1090.8	1090.8
52.5°	1005.4	1010.2	1015.1	1020.0
55°	929.7	937.0	939.5	944.4
57.5°	851.6	861.4	863.8	868.7
60°	776.0	783.3	788.2	790.6
62.5°	700.3	705.2	707.7	712.5
65°	617.4	624.7	624.7	629.6
67.5°	541.7	546.6	549.0	551.5
70°	461.2	471.0	473.4	478.3
72.5°	390.4	400.2	400.2	405.1
75°	327.0	329.4	329.4	334.3
77.5°	258.7	261.1	263.5	266.0
80°	195.2	197.7	197.7	202.5
82.5°	139.1	139.1	139.1	141.5
85°	85.4	83.0	80.5	83.0
87.5°	34.2	34.2	36.6	31.7
90°	0.0	0.0	0.0	0.0

TEST NUMBER: P571977

CATALOG NUMBER: 22ID-50-L830-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	17.35	18.98	17.71	19.29	19.60	16.23	17.86	16.60	18.17	18.49
	3H	19.10	20.57	19.48	20.90	21.26	17.85	19.32	18.23	19.65	20.01
	4H	19.76	21.14	20.16	21.49	21.87	18.44	19.83	18.84	20.18	20.55
	6H	20.25	21.53	20.66	21.90	22.29	18.88	20.16	19.29	20.52	20.91
	8H	20.41	21.63	20.83	22.02	22.42	19.01	20.23	19.43	20.62	21.02
	12H	20.51	21.68	20.94	22.06	22.49	19.09	20.26	19.52	20.65	21.07
4H	2H	17.83	19.22	18.23	19.56	19.94	16.93	18.32	17.33	18.66	19.04
	3H	19.81	20.97	20.22	21.37	21.77	18.76	19.92	19.17	20.31	20.71
	4H	20.60	21.65	21.04	22.07	22.50	19.46	20.51	19.89	20.93	21.36
	6H	21.24	22.15	21.69	22.59	23.05	20.01	20.92	20.46	21.37	21.82
	8H	21.45	22.31	21.91	22.75	23.21	20.18	21.04	20.64	21.48	21.94
	12H	21.59	22.36	22.07	22.84	23.31	20.30	21.07	20.78	21.54	22.01
8H	4H	20.84	21.70	21.30	22.14	22.60	19.81	20.67	20.27	21.11	21.58
	6H	21.58	22.30	22.08	22.78	23.26	20.46	21.18	20.96	21.66	22.14
	8H	21.87	22.51	22.38	23.02	23.50	20.70	21.34	21.21	21.84	22.33
	12H	22.09	22.66	22.60	23.15	23.71	20.88	21.44	21.38	21.93	22.49
12H	4H	20.86	21.63	21.34	22.10	22.57	19.85	20.63	20.33	21.10	21.57
	6H	21.62	22.26	22.13	22.76	23.25	20.53	21.17	21.04	21.68	22.16
	8H	21.95	22.52	22.46	23.01	23.57	20.82	21.38	21.32	21.87	22.43

END OF REPORT