

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: PrentaLux

Report Number: P979258

Luminaire Tested: PRLX-CYL2-X-940-15L-MD-U-S-X-X-WHTE

Issue Date: 4/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P979258
TEST IS SCALED FROM (LM79-2019)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 4/2/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-CYL2-X-940-15L-MD-U-S-X-X-WHTE
Description: PrentaLux 2-INCH CYLINDER, MEDIUM OPTIC
1500 LUMENS
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

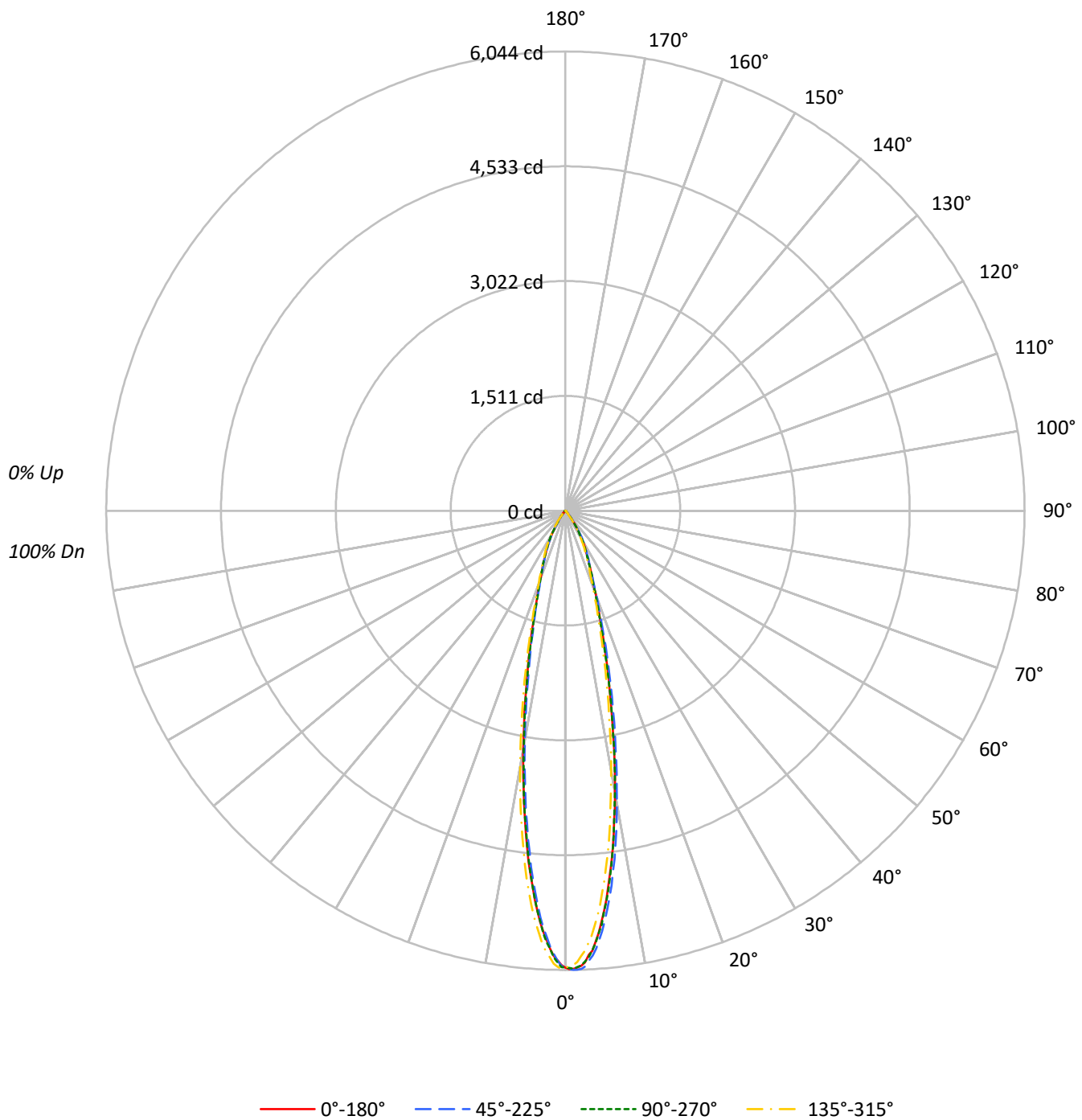
Lumens per Lamp: N/A
Luminaire Lumens: 1448.7 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.41
Luminous Opening: Circular (Dia: 0.21' x H: 0')
CIE Type: Direct

Input Watts (W): 13.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P979258

CATALOG NUMBER: PRLX-CYL2-X-940-15L-MD-U-S-X-X-WHTE

Luminous Intensity Polar Plot



TEST NUMBER: P979258

CATALOG NUMBER: PRLX-CYL2-X-940-15L-MD-U-S-X-X-WHITE

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	115	112	110	108	112	110	108	107	106	105	103		102	101	100		99
2	110	106	103	100	108	105	102	99	101	99	97		99	97	95		96
3	106	101	97	94	104	100	96	93	97	94	92		95	92	90		93
4	102	96	92	89	101	95	91	88	93	90	87		91	89	86		90
5	99	92	88	84	97	91	87	84	90	86	83		88	85	83		87
6	95	89	84	81	94	88	83	80	86	83	80		85	82	79		84
7	92	85	81	77	91	85	80	77	83	80	77		82	79	76		81
8	89	82	77	74	88	82	77	74	81	77	74		80	76	74		79
9	87	79	75	72	86	79	74	72	78	74	71		77	74	71		76
10	84	77	72	69	83	76	72	69	76	72	69		75	71	69		74

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	1868143	1868143	1868143	1868143
5°	1698055	1706821	1551154	1550156
10°	1184667	1184320	1009149	996873
15°	683815	680019	561170	552483
20°	383962	378604	322482	320828
25°	243561	239618	207934	212460
30°	159006	155489	124987	129401
35°	80695	74700	54252	55921
40°	28236	24828	19108	18864
45°	10900	9933	8878	8746
50°	7155	6769	6527	6527
55°	6285	5852	5743	5960
60°	6215	5594	5470	5905
65°	6471	5662	5295	6030
70°	6906	5906	5270	6270
75°	7565	6244	5403	6604
80°	8232	6085	3579	5548
85°	2139	2139	1426	1426

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 10900 cd/sqm

TEST NUMBER: P979258

CATALOG NUMBER: PRLX-CYL2-X-940-15L-MD-U-S-X-X-WHTE

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	439.0	30.3
10°-20°	542.9	37.5
20°-30°	306.3	21.1
30°-40°	116.6	8.0
40°-50°	19.5	1.3
50°-60°	10.0	0.7
60°-70°	7.9	0.5
70°-80°	5.6	0.4
80°-90°	0.9	0.1
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°	1288.2	88.9
0°-40°	1404.7	97.0
0°-60°	1434.3	99.0
0°-90°	1448.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1448.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6011	6011	6011	6011	6011	
5°	5443	5471	4972	4969	5442	463
15°	2125	2114	1744	1717	2131	595
25°	710	699	606	620	710	333
35°	213	197	143	147	211	138
45°	25	23	20	20	25	23
55°	12	11	11	11	12	11
65°	9	8	7	8	9	9
75°	6	5	4	6	6	7
85°	1	1	0	0	1	1
90°	0	0	0	0	0	

TEST NUMBER: P979258

CATALOG NUMBER: PRLX-CYL2-X-940-15L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	6011.3	6011.3	6011.3	6011.3	6011.3	6011.3	6011.3	6011.3	6011.3	6011.3	6011.3
0.5°	6035.0	6043.7	6035.0	6014.5	6017.8	5996.2	5995.1	5987.5	5980.0	5971.3	5990.8
1°	6032.9	6058.8	6043.7	6032.9	6028.6	5998.3	5977.8	5951.9	5915.2	5904.4	5920.6
1.5°	6016.7	6048.0	6043.7	6042.6	6009.1	5973.5	5940.0	5881.7	5861.2	5828.8	5832.0
2°	5995.1	6024.2	6031.8	6005.9	5989.7	5926.0	5863.3	5815.8	5773.7	5738.0	5742.4
2.5°	5950.8	5989.7	6003.7	5981.0	5938.9	5875.2	5803.9	5724.0	5663.5	5636.5	5617.1
3°	5852.5	5921.6	5930.3	5910.8	5881.7	5803.9	5712.1	5625.7	5550.1	5501.5	5498.3
3.5°	5800.7	5839.6	5864.4	5842.8	5795.3	5699.2	5608.4	5508.0	5434.6	5393.5	5364.4
4°	5680.8	5756.4	5776.9	5746.7	5700.2	5608.4	5482.1	5375.2	5280.1	5213.2	5204.5
4.5°	5570.6	5643.0	5666.8	5648.4	5579.3	5478.8	5349.2	5248.8	5138.6	5070.6	5040.4
5°	5443.2	5522.0	5553.4	5530.7	5471.3	5340.6	5215.3	5090.0	4972.3	4914.0	4877.3
5.5°	5300.6	5389.2	5422.7	5386.0	5311.4	5200.2	5046.8	4919.4	4808.2	4719.6	4705.6
6°	5144.0	5246.6	5274.7	5252.0	5168.9	5039.3	4896.7	4760.6	4635.4	4560.8	4519.8
6.5°	4985.3	5099.8	5127.8	5095.4	5009.0	4873.0	4723.9	4586.8	4453.9	4369.7	4344.8
7°	4824.4	4923.7	4971.2	4934.5	4831.9	4707.7	4550.0	4407.5	4270.3	4190.4	4156.9
7.5°	4650.5	4767.1	4797.4	4757.4	4667.8	4524.1	4376.2	4221.7	4094.3	4002.5	3973.3
8°	4475.5	4591.1	4632.1	4594.3	4489.6	4335.1	4199.0	4033.8	3910.7	3830.8	3794.0
8.5°	4301.6	4410.7	4444.2	4414.0	4311.4	4166.6	3996.0	3858.8	3722.8	3632.0	3595.3
9°	4113.7	4221.7	4277.9	4223.9	4118.0	3986.3	3830.8	3670.9	3544.6	3464.6	3427.9
9.5°	3939.8	4044.6	4088.9	4042.4	3938.8	3797.3	3641.8	3503.5	3368.5	3274.6	3243.2
10°	3754.1	3861.0	3903.1	3864.2	3753.0	3610.4	3460.3	3313.4	3197.9	3111.5	3073.7
10.5°	3569.4	3683.9	3716.3	3676.3	3578.0	3448.4	3294.0	3140.6	3018.6	2930.0	2908.4
11°	3383.6	3486.2	3538.1	3494.9	3379.3	3245.4	3112.6	2973.2	2846.9	2773.4	2743.2
11.5°	3208.7	3321.0	3364.2	3308.0	3205.4	3076.9	2934.4	2803.7	2690.3	2609.3	2576.9
12°	3040.2	3140.6	3173.0	3132.0	3032.6	2907.4	2769.1	2642.8	2524.0	2455.9	2420.3
12.5°	2865.2	2965.7	3005.6	2970.0	2868.5	2746.4	2614.7	2484.0	2392.2	2319.8	2286.4
13°	2710.8	2813.4	2845.8	2801.5	2700.0	2586.6	2466.7	2338.2	2248.6	2174.0	2143.8
13.5°	2559.6	2657.9	2686.0	2638.4	2544.5	2435.4	2318.8	2201.0	2106.0	2048.8	2022.8
14°	2406.2	2495.9	2528.3	2489.4	2400.8	2296.1	2175.1	2069.3	1985.0	1930.0	1897.6
14.5°	2263.7	2339.3	2376.0	2335.0	2248.6	2153.5	2041.2	1939.7	1860.8	1806.8	1778.8
15°	2125.4	2209.7	2238.8	2200.0	2113.6	2022.8	1920.2	1825.2	1744.2	1696.7	1672.9
15.5°	2002.3	2083.3	2101.7	2062.8	1985.0	1892.2	1806.8	1716.1	1644.8	1595.2	1573.6
16°	1877.0	1949.4	1975.3	1936.4	1866.2	1780.9	1694.5	1609.2	1546.6	1502.3	1480.7
16.5°	1761.5	1827.4	1852.2	1816.6	1749.6	1671.8	1585.4	1510.9	1455.8	1414.8	1392.1
17°	1655.6	1721.5	1735.6	1706.4	1643.8	1567.1	1487.2	1422.4	1368.4	1331.6	1312.2
17.5°	1557.4	1614.6	1630.8	1598.4	1540.1	1472.0	1405.1	1337.0	1287.4	1252.8	1235.5
18°	1463.4	1515.2	1530.4	1503.4	1446.1	1379.2	1319.8	1259.3	1210.7	1183.7	1170.7
18.5°	1378.1	1431.0	1441.8	1418.0	1363.0	1300.3	1238.8	1189.1	1147.0	1123.2	1110.2
19°	1298.2	1345.7	1354.3	1330.6	1286.3	1231.2	1176.1	1125.4	1088.6	1063.8	1051.2
19.5°	1228.0	1267.9	1278.7	1255.0	1213.9	1161.0	1111.3	1062.4	1029.9	1010.4	999.6
20°	1161.0	1196.6	1204.2	1182.6	1144.8	1098.4	1052.6	1008.4	975.1	956.8	950.0
20.5°	1098.4	1132.9	1134.0	1118.9	1078.9	1034.0	994.6	955.6	925.2	910.4	902.3
21°	1038.5	1067.7	1073.6	1056.0	1021.8	982.6	945.1	906.9	878.5	865.6	859.7
21.5°	985.0	1012.6	1018.9	1000.1	972.0	932.5	896.1	863.2	839.4	825.3	822.6
22°	937.2	964.2	965.2	951.4	923.5	888.8	857.3	821.9	800.7	789.4	784.9

TEST NUMBER: P979258

CATALOG NUMBER: PRLX-CYL2-X-940-15L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	893.2	917.1	916.5	904.2	878.7	844.2	816.2	784.3	764.0	754.5	750.8
23°	849.6	874.9	873.3	860.3	836.2	804.5	778.0	748.0	727.6	718.4	717.9
23.5°	812.4	835.2	834.8	819.7	798.8	771.0	740.6	715.0	694.9	688.7	687.1
24°	775.8	795.7	796.6	783.1	761.2	733.3	707.8	681.9	664.3	659.4	656.6
24.5°	740.4	761.8	762.2	747.6	728.4	701.4	678.1	651.1	634.7	630.0	628.5
25°	710.3	731.4	730.6	714.4	698.8	669.4	649.0	622.0	606.4	600.2	599.9
25.5°	681.2	700.6	699.5	684.7	669.4	643.7	619.3	594.9	578.4	573.5	572.9
26°	653.1	670.4	673.1	655.9	638.5	612.6	590.8	567.1	550.8	546.8	547.9
26.5°	621.9	641.4	645.4	626.0	610.1	585.0	564.9	540.4	524.8	518.2	520.7
27°	595.4	615.0	618.4	598.8	583.3	560.6	539.0	513.8	497.3	491.9	494.3
27.5°	569.3	589.8	591.1	571.9	557.0	531.7	512.8	487.6	472.9	466.0	466.3
28°	545.4	564.4	567.6	546.8	531.9	509.1	486.9	462.6	445.7	440.5	441.0
28.5°	518.9	540.3	545.5	522.8	506.2	484.2	461.5	437.5	421.8	416.3	416.3
29°	494.5	513.3	520.6	499.1	481.2	458.4	438.2	414.5	396.9	390.4	392.0
29.5°	470.8	488.7	495.9	474.7	458.1	435.8	413.3	390.3	372.6	365.6	366.8
30°	443.1	464.4	469.9	449.0	433.3	408.1	388.6	364.1	348.3	341.0	342.0
30.5°	419.5	438.7	444.4	423.7	407.6	384.7	364.9	342.6	325.1	317.1	317.2
31°	397.5	413.3	420.1	398.5	382.5	362.4	338.1	316.2	301.2	293.4	293.1
31.5°	371.0	386.4	393.1	373.9	357.2	333.7	314.8	291.1	277.0	269.6	269.4
32°	347.2	362.9	368.1	348.9	332.9	311.3	292.7	271.8	254.6	248.6	247.8
32.5°	322.1	337.9	342.8	325.3	307.9	288.3	267.3	247.9	233.2	227.3	226.6
33°	296.6	312.4	315.9	300.7	285.2	264.6	247.2	227.0	213.7	207.3	206.3
33.5°	275.9	287.6	292.4	276.9	261.8	243.4	226.6	208.8	193.9	188.0	187.5
34°	253.5	263.7	267.5	253.3	238.9	220.5	202.0	186.9	175.6	169.8	169.5
34.5°	231.9	240.8	243.8	232.1	218.1	199.7	185.3	169.3	159.5	153.4	152.9
35°	212.7	219.6	220.8	211.2	196.9	181.1	167.6	153.3	143.0	138.3	137.2
35.5°	191.6	198.9	198.4	190.8	178.5	162.4	148.1	135.4	128.5	123.8	121.8
36°	173.7	179.4	178.8	171.0	161.2	146.6	133.5	122.1	115.3	110.9	109.7
36.5°	156.9	160.3	159.4	153.9	142.3	130.6	119.3	109.3	102.9	98.8	97.8
37°	140.2	142.9	141.5	136.8	127.4	115.5	104.3	96.6	92.1	88.2	87.0
37.5°	125.4	127.0	125.4	121.6	113.6	102.7	93.2	86.2	81.8	78.4	77.4
38°	111.5	112.0	110.2	106.9	98.4	89.9	82.0	76.1	72.1	69.7	68.8
38.5°	99.5	99.1	97.0	94.3	88.0	80.1	72.3	67.9	65.0	62.3	61.4
39°	88.3	87.8	85.2	83.5	78.5	70.8	64.2	60.3	58.1	55.9	55.0
39.5°	78.2	77.7	75.0	73.8	68.4	62.2	57.2	53.9	51.8	50.1	49.3
40°	69.6	69.2	66.4	65.0	61.2	56.3	51.3	48.6	47.1	45.4	44.7
40.5°	61.8	60.9	58.3	57.2	54.6	50.0	45.6	43.4	42.6	41.0	40.3
41°	55.0	53.8	51.5	50.5	47.6	44.5	41.3	39.4	38.0	37.1	36.6
41.5°	48.6	47.8	45.8	45.0	42.5	40.0	37.2	35.7	34.7	33.7	33.3
42°	43.3	42.6	40.8	40.2	38.2	35.7	33.5	32.1	31.5	30.7	30.2
42.5°	39.2	38.3	36.6	35.9	34.2	32.5	30.8	29.5	28.6	28.1	27.6
43°	35.1	34.4	32.9	32.3	31.1	29.6	28.1	27.0	26.3	25.8	25.2
43.5°	32.0	31.3	29.9	29.4	28.6	27.3	25.9	25.0	24.4	23.9	23.4
44°	29.3	28.7	27.6	27.0	26.1	25.3	24.2	23.3	22.8	22.3	21.9
44.5°	26.8	26.5	25.5	24.9	24.0	23.4	22.4	21.7	21.4	21.0	20.6

TEST NUMBER: P979258

CATALOG NUMBER: PRLX-CYL2-X-940-15L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	24.8	24.5	23.6	23.1	22.6	22.0	21.3	20.6	20.2	19.9	19.5
45.5°	23.0	22.8	22.0	21.5	21.1	20.6	20.1	19.5	19.2	18.8	18.5
46°	21.4	21.3	20.5	20.2	19.8	19.4	19.0	18.5	18.2	17.9	17.6
46.5°	20.2	20.0	19.4	19.0	18.8	18.6	18.2	17.7	17.4	17.1	16.8
47°	19.0	18.8	18.3	18.0	17.8	17.6	17.3	16.9	16.6	16.4	16.1
47.5°	18.0	17.9	17.5	17.2	17.0	16.8	16.6	16.2	16.0	15.8	15.5
48°	17.2	17.1	16.7	16.4	16.3	16.2	15.9	15.6	15.4	15.2	15.0
48.5°	16.5	16.4	15.9	15.7	15.6	15.5	15.4	15.0	14.9	14.7	14.5
49°	15.8	15.7	15.3	15.1	15.0	15.0	14.9	14.6	14.4	14.2	14.0
49.5°	15.3	15.2	14.8	14.5	14.5	14.4	14.4	14.1	14.0	13.8	13.6
50°	14.8	14.7	14.4	14.1	14.0	14.0	13.9	13.7	13.5	13.4	13.2
50.5°	14.3	14.2	13.9	13.6	13.5	13.5	13.4	13.2	13.1	13.0	12.9
51°	13.9	13.8	13.4	13.2	13.1	13.1	13.0	12.8	12.7	12.7	12.5
51.5°	13.5	13.3	13.1	12.8	12.7	12.7	12.7	12.5	12.4	12.3	12.2
52°	13.1	12.9	12.7	12.5	12.4	12.4	12.4	12.2	12.1	12.0	12.0
52.5°	12.8	12.6	12.4	12.1	12.0	12.1	12.1	11.9	11.8	11.7	11.7
53°	12.5	12.4	12.1	11.8	11.7	11.8	11.7	11.6	11.5	11.5	11.4
53.5°	12.2	12.1	11.8	11.6	11.5	11.5	11.4	11.3	11.3	11.2	11.2
54°	12.0	11.9	11.6	11.3	11.2	11.2	11.2	11.1	11.0	11.0	11.0
54.5°	11.8	11.6	11.3	11.1	10.9	11.0	11.0	10.8	10.8	10.8	10.8
55°	11.6	11.4	11.1	10.9	10.8	10.7	10.7	10.6	10.6	10.6	10.6
55.5°	11.4	11.2	10.9	10.7	10.5	10.5	10.5	10.4	10.4	10.4	10.4
56°	11.2	11.0	10.7	10.5	10.3	10.3	10.3	10.2	10.2	10.2	10.2
56.5°	11.0	10.8	10.6	10.3	10.1	10.1	10.1	10.0	10.0	10.0	10.0
57°	10.8	10.7	10.4	10.1	9.9	9.9	9.8	9.8	9.8	9.8	9.9
57.5°	10.7	10.5	10.2	9.9	9.8	9.7	9.7	9.6	9.6	9.6	9.7
58°	10.5	10.3	10.0	9.7	9.6	9.5	9.5	9.4	9.4	9.5	9.5
58.5°	10.4	10.2	9.9	9.6	9.4	9.4	9.3	9.2	9.3	9.3	9.4
59°	10.3	10.1	9.8	9.5	9.3	9.2	9.1	9.1	9.1	9.1	9.2
59.5°	10.1	9.9	9.6	9.3	9.2	9.0	9.0	8.9	8.9	9.0	9.1
60°	10.0	9.8	9.5	9.2	9.0	8.9	8.8	8.7	8.8	8.8	8.9
60.5°	9.9	9.7	9.4	9.1	8.9	8.7	8.6	8.5	8.6	8.7	8.8
61°	9.7	9.5	9.2	8.9	8.7	8.6	8.5	8.4	8.4	8.5	8.6
61.5°	9.6	9.4	9.1	8.8	8.6	8.4	8.3	8.3	8.3	8.4	8.5
62°	9.5	9.3	8.9	8.7	8.5	8.3	8.2	8.1	8.1	8.2	8.3
62.5°	9.3	9.1	8.8	8.6	8.3	8.2	8.0	7.9	8.0	8.0	8.2
63°	9.2	9.0	8.7	8.4	8.2	8.0	7.9	7.8	7.8	7.9	8.0
63.5°	9.1	8.9	8.6	8.3	8.1	7.9	7.7	7.6	7.7	7.8	7.9
64°	9.0	8.8	8.5	8.2	8.0	7.7	7.6	7.5	7.5	7.6	7.8
64.5°	8.9	8.7	8.3	8.1	7.8	7.6	7.4	7.3	7.4	7.5	7.7
65°	8.8	8.6	8.2	8.0	7.7	7.5	7.3	7.2	7.2	7.4	7.5
65.5°	8.6	8.4	8.1	7.8	7.5	7.3	7.1	7.1	7.1	7.2	7.4
66°	8.5	8.3	8.0	7.7	7.4	7.2	7.0	6.9	6.9	7.1	7.2
66.5°	8.4	8.2	7.9	7.5	7.3	7.1	6.9	6.8	6.8	6.9	7.1
67°	8.2	8.1	7.8	7.4	7.2	6.9	6.7	6.6	6.6	6.8	7.0

TEST NUMBER: P979258

CATALOG NUMBER: PRLX-CYL2-X-940-15L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	8.1	8.0	7.7	7.3	7.1	6.8	6.6	6.5	6.5	6.6	6.8
68°	8.0	7.8	7.5	7.2	6.9	6.7	6.5	6.4	6.4	6.5	6.7
68.5°	7.9	7.7	7.4	7.1	6.8	6.5	6.3	6.2	6.3	6.4	6.6
69°	7.8	7.6	7.3	7.0	6.7	6.4	6.2	6.1	6.1	6.3	6.4
69.5°	7.7	7.5	7.2	6.9	6.6	6.3	6.1	6.0	6.0	6.1	6.3
70°	7.6	7.4	7.1	6.7	6.5	6.2	5.9	5.8	5.8	6.0	6.2
70.5°	7.4	7.3	7.0	6.6	6.3	6.1	5.8	5.7	5.7	5.9	6.0
71°	7.3	7.1	6.8	6.5	6.2	5.9	5.7	5.6	5.6	5.7	5.9
71.5°	7.2	7.0	6.7	6.4	6.1	5.8	5.6	5.5	5.5	5.6	5.8
72°	7.1	6.9	6.6	6.3	6.0	5.7	5.4	5.3	5.3	5.5	5.7
72.5°	7.0	6.8	6.5	6.2	5.9	5.6	5.3	5.2	5.2	5.3	5.5
73°	6.8	6.7	6.4	6.1	5.7	5.5	5.2	5.1	5.1	5.2	5.4
73.5°	6.7	6.6	6.3	5.9	5.6	5.3	5.1	4.9	4.9	5.1	5.3
74°	6.6	6.5	6.1	5.8	5.5	5.2	5.0	4.8	4.8	4.9	5.1
74.5°	6.5	6.3	6.0	5.7	5.4	5.1	4.8	4.7	4.7	4.8	5.0
75°	6.3	6.2	5.9	5.6	5.2	4.9	4.7	4.5	4.5	4.6	4.8
75.5°	6.2	6.1	5.8	5.5	5.1	4.8	4.5	4.4	4.4	4.5	4.7
76°	6.1	5.9	5.7	5.3	5.0	4.6	4.4	4.2	4.2	4.3	4.5
76.5°	5.9	5.8	5.5	5.2	4.8	4.5	4.2	4.1	4.0	4.1	4.4
77°	5.8	5.7	5.4	5.0	4.6	4.3	4.1	3.9	3.9	3.9	4.2
77.5°	5.6	5.5	5.2	4.9	4.5	4.2	3.9	3.7	3.6	3.7	3.9
78°	5.5	5.3	5.1	4.7	4.3	4.0	3.7	3.5	3.4	3.5	3.7
78.5°	5.3	5.2	4.9	4.5	4.1	3.8	3.5	3.3	3.1	3.2	3.4
79°	5.1	5.0	4.7	4.4	3.9	3.6	3.3	3.0	2.8	2.9	3.1
79.5°	4.9	4.8	4.5	4.1	3.7	3.3	3.0	2.6	2.4	2.5	2.7
80°	4.6	4.5	4.3	3.9	3.4	3.0	2.5	2.2	2.0	2.0	2.2
80.5°	4.3	4.2	4.0	3.6	3.1	2.6	2.1	1.8	1.6	1.6	1.7
81°	3.9	3.9	3.6	3.1	2.6	2.1	1.7	1.3	1.1	1.1	1.2
81.5°	3.3	3.4	3.2	2.7	2.1	1.7	1.2	0.9	0.9	0.9	0.9
82°	2.7	2.8	2.6	2.2	1.7	1.1	0.9	0.8	0.7	0.7	0.7
82.5°	2.1	2.3	2.0	1.6	1.1	0.8	0.7	0.7	0.6	0.6	0.6
83°	1.5	1.6	1.4	1.0	0.8	0.7	0.7	0.6	0.6	0.6	0.6
83.5°	0.9	1.0	0.9	0.8	0.7	0.7	0.6	0.6	0.5	0.5	0.5
84°	0.7	0.8	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.5
84.5°	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.4
85°	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.4
85.5°	0.5	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3
86°	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3
86.5°	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3
87°	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2
87.5°	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2
88°	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1
88.5°	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1
89°	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
89.5°	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1



TEST NUMBER: P979258
CATALOG NUMBER: PRLX-CYL2-X-940-15L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
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: P979258

CATALOG NUMBER: PRLX-CYL2-X-940-15L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	6011.3	6011.3	6011.3	6011.3	6011.3	6011.3
0.5°	5985.4	6007.0	6013.4	6032.9	6027.5	6034.0
1°	5928.1	5945.4	5980.0	6001.6	6017.8	6043.7
1.5°	5862.2	5879.5	5913.0	5965.9	6002.6	6022.1
2°	5748.8	5775.8	5833.1	5881.7	5948.6	5997.2
2.5°	5630.0	5677.6	5747.8	5801.8	5883.8	5936.8
3°	5513.4	5571.7	5623.6	5718.6	5795.3	5881.7
3.5°	5353.6	5427.0	5526.4	5595.5	5708.9	5784.5
4°	5212.1	5282.3	5360.0	5471.3	5582.5	5694.8
4.5°	5081.4	5126.8	5234.8	5339.5	5468.0	5567.4
5°	4896.7	4969.1	5065.2	5188.3	5316.8	5442.1
5.5°	4722.8	4801.7	4894.6	5031.7	5173.2	5297.4
6°	4551.1	4630.0	4733.6	4875.1	5015.5	5158.1
6.5°	4358.9	4432.3	4547.9	4700.2	4850.3	4990.7
7°	4177.4	4250.9	4381.6	4511.2	4677.5	4835.2
7.5°	3991.7	4066.2	4194.7	4336.2	4505.8	4654.8
8°	3808.1	3884.8	3999.2	4163.4	4322.2	4482.0
8.5°	3620.2	3697.9	3811.3	3971.2	4141.8	4298.4
9°	3448.4	3518.6	3640.7	3795.1	3955.0	4114.8
9.5°	3263.8	3336.1	3457.1	3619.1	3789.7	3937.7
10°	3091.0	3159.0	3281.0	3426.8	3587.8	3757.3
10.5°	2919.2	2992.7	3101.8	3250.8	3419.3	3572.6
11°	2752.9	2811.2	2931.1	3081.2	3240.0	3388.0
11.5°	2588.8	2657.9	2761.6	2902.0	3066.1	3210.8
12°	2434.3	2500.2	2605.0	2746.4	2894.4	3034.8
12.5°	2293.9	2354.4	2452.7	2584.4	2734.6	2872.8
13°	2157.8	2207.5	2305.8	2437.6	2578.0	2714.0
13.5°	2026.1	2075.8	2165.4	2296.1	2430.0	2554.2
14°	1905.1	1958.0	2042.3	2155.7	2279.9	2400.8
14.5°	1787.4	1828.4	1915.9	2020.7	2148.1	2265.8
15°	1678.3	1717.2	1789.6	1898.6	2020.7	2130.8
15.5°	1582.2	1621.1	1695.6	1784.2	1897.6	1996.9
16°	1483.9	1518.5	1587.6	1675.1	1775.5	1876.0
16.5°	1401.8	1428.8	1491.5	1575.7	1672.9	1762.6
17°	1320.8	1347.8	1405.1	1478.5	1571.4	1654.6
17.5°	1240.9	1272.2	1320.8	1394.3	1471.0	1556.3
18°	1172.9	1199.9	1248.5	1311.1	1392.1	1463.4
18.5°	1113.5	1134.0	1177.2	1237.7	1315.4	1378.1
19°	1054.5	1075.5	1117.8	1169.6	1237.7	1297.1
19.5°	1004.3	1022.0	1055.5	1108.1	1168.6	1225.8
20°	952.8	970.1	1005.9	1050.8	1107.0	1158.8
20.5°	905.7	921.2	950.0	994.7	1046.1	1091.9
21°	860.2	880.4	907.7	947.2	994.0	1037.6
21.5°	825.2	841.0	864.9	903.1	943.9	982.6
22°	790.8	801.8	827.7	862.7	901.5	936.6

TEST NUMBER: P979258

CATALOG NUMBER: PRLX-CYL2-X-940-15L-MD-U-S-X-X-WHITE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	755.7	767.4	791.9	824.0	857.8	892.5
23°	722.7	736.0	756.1	786.8	818.9	849.7
23.5°	692.2	705.3	724.9	753.1	780.8	813.2
24°	662.0	675.0	692.0	721.5	747.9	776.3
24.5°	634.6	645.7	664.6	691.3	716.3	742.6
25°	607.3	619.6	635.6	663.4	686.4	710.3
25.5°	580.4	592.5	611.6	636.4	656.5	679.3
26°	552.6	566.6	582.0	610.1	630.0	651.7
26.5°	524.7	539.9	556.4	582.1	603.0	623.8
27°	499.8	513.8	528.8	554.3	574.6	595.8
27.5°	475.5	486.8	505.3	530.4	549.1	568.6
28°	449.0	463.2	479.2	507.4	526.5	545.5
28.5°	423.4	437.6	454.1	482.2	500.7	520.2
29°	397.4	412.5	429.0	456.8	476.1	494.5
29.5°	372.6	387.4	404.8	429.8	451.8	470.2
30°	347.3	360.6	379.7	406.1	426.6	447.4
30.5°	322.9	337.4	354.2	381.5	402.2	422.0
31°	299.5	309.7	328.4	354.6	377.5	395.5
31.5°	274.5	286.5	304.5	330.6	352.5	370.7
32°	251.9	265.7	280.7	305.9	327.9	345.9
32.5°	230.1	241.2	258.0	281.8	304.5	322.6
33°	209.3	219.3	237.2	260.3	282.1	299.7
33.5°	190.5	200.4	215.9	236.5	258.2	276.4
34°	172.0	179.4	195.9	215.0	237.4	254.2
34.5°	154.9	163.3	177.0	196.6	216.9	232.2
35°	139.0	147.4	158.8	175.5	196.2	211.1
35.5°	124.5	130.4	142.8	157.7	177.9	192.5
36°	111.5	117.4	127.8	144.7	160.4	173.8
36.5°	99.0	104.7	113.7	125.9	142.7	156.1
37°	87.8	92.2	102.0	111.8	128.3	140.4
37.5°	78.4	82.1	89.9	101.2	114.4	124.7
38°	69.5	72.9	79.1	89.0	100.3	110.3
38.5°	61.8	64.7	71.3	78.4	90.1	98.9
39°	55.0	57.9	63.1	70.8	80.2	87.3
39.5°	49.3	51.7	55.9	62.8	70.6	77.5
40°	44.5	46.5	50.6	56.0	63.5	69.7
40.5°	40.3	41.9	45.2	50.4	56.4	61.5
41°	36.5	37.9	40.5	44.9	49.8	54.4
41.5°	33.0	34.4	37.0	40.5	44.9	48.7
42°	30.1	31.4	33.4	36.4	40.3	43.1
42.5°	27.5	28.6	30.5	33.2	36.3	38.8
43°	25.3	26.2	28.1	30.3	33.0	35.1
43.5°	23.4	24.3	25.7	27.9	30.1	31.9
44°	21.8	22.6	23.9	25.6	27.5	29.2
44.5°	20.5	21.1	22.3	23.7	25.3	26.8

TEST NUMBER: P979258

CATALOG NUMBER: PRLX-CYL2-X-940-15L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	19.4	19.9	20.9	22.2	23.5	24.7
45.5°	18.4	18.9	19.7	20.8	21.9	22.9
46°	17.5	17.9	18.8	19.7	20.6	21.4
46.5°	16.8	17.2	17.9	18.7	19.5	20.2
47°	16.1	16.4	17.0	17.8	18.5	19.0
47.5°	15.5	15.8	16.4	17.0	17.6	18.0
48°	14.9	15.3	15.8	16.4	16.8	17.2
48.5°	14.4	14.7	15.3	15.8	16.1	16.5
49°	14.0	14.3	14.8	15.3	15.6	15.9
49.5°	13.6	13.9	14.3	14.9	15.0	15.2
50°	13.2	13.5	14.0	14.5	14.6	14.8
50.5°	12.9	13.2	13.6	14.1	14.1	14.3
51°	12.6	12.9	13.3	13.7	13.7	13.9
51.5°	12.3	12.5	12.9	13.3	13.4	13.5
52°	12.0	12.3	12.7	13.0	13.1	13.1
52.5°	11.7	12.0	12.4	12.7	12.8	12.8
53°	11.5	11.8	12.1	12.5	12.5	12.5
53.5°	11.3	11.6	11.9	12.2	12.2	12.3
54°	11.0	11.4	11.7	12.0	12.0	12.0
54.5°	10.9	11.2	11.6	11.8	11.8	11.8
55°	10.7	11.0	11.4	11.6	11.6	11.6
55.5°	10.5	10.8	11.2	11.5	11.4	11.3
56°	10.3	10.6	11.0	11.3	11.2	11.2
56.5°	10.2	10.5	10.9	11.1	11.1	11.0
57°	10.0	10.3	10.7	10.9	10.9	10.8
57.5°	9.8	10.2	10.6	10.8	10.8	10.7
58°	9.7	10.0	10.4	10.6	10.6	10.5
58.5°	9.6	9.9	10.3	10.5	10.4	10.4
59°	9.4	9.8	10.1	10.4	10.3	10.2
59.5°	9.2	9.6	10.0	10.2	10.2	10.1
60°	9.1	9.5	9.9	10.1	10.1	10.0
60.5°	9.0	9.3	9.7	9.9	10.0	9.8
61°	8.8	9.2	9.6	9.8	9.8	9.7
61.5°	8.7	9.1	9.5	9.7	9.7	9.6
62°	8.6	8.9	9.3	9.6	9.5	9.5
62.5°	8.4	8.8	9.2	9.4	9.4	9.3
63°	8.3	8.7	9.1	9.3	9.3	9.2
63.5°	8.2	8.5	8.9	9.2	9.2	9.1
64°	8.0	8.4	8.8	9.1	9.1	9.0
64.5°	7.9	8.3	8.7	9.0	9.0	8.8
65°	7.8	8.2	8.6	8.8	8.8	8.7
65.5°	7.7	8.0	8.4	8.7	8.7	8.6
66°	7.5	7.9	8.3	8.6	8.6	8.5
66.5°	7.4	7.8	8.2	8.4	8.5	8.4
67°	7.2	7.6	8.0	8.3	8.3	8.2

TEST NUMBER: P979258

CATALOG NUMBER: PRLX-CYL2-X-940-15L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	7.1	7.5	7.9	8.2	8.2	8.1
68°	7.0	7.4	7.8	8.1	8.1	8.0
68.5°	6.9	7.2	7.6	7.9	8.0	7.9
69°	6.7	7.1	7.5	7.8	7.9	7.8
69.5°	6.6	7.0	7.4	7.7	7.7	7.7
70°	6.5	6.9	7.3	7.6	7.6	7.6
70.5°	6.4	6.7	7.2	7.4	7.5	7.4
71°	6.2	6.6	7.0	7.3	7.4	7.3
71.5°	6.1	6.5	6.9	7.2	7.3	7.2
72°	6.0	6.3	6.8	7.1	7.1	7.1
72.5°	5.9	6.2	6.6	6.9	7.0	7.0
73°	5.7	6.1	6.5	6.8	6.9	6.8
73.5°	5.6	6.0	6.4	6.6	6.8	6.7
74°	5.4	5.8	6.2	6.5	6.6	6.6
74.5°	5.3	5.7	6.1	6.4	6.5	6.5
75°	5.1	5.5	6.0	6.2	6.4	6.3
75.5°	5.0	5.4	5.8	6.1	6.2	6.2
76°	4.8	5.2	5.6	5.9	6.1	6.1
76.5°	4.7	5.0	5.5	5.8	5.9	5.9
77°	4.5	4.8	5.3	5.6	5.8	5.8
77.5°	4.3	4.7	5.1	5.4	5.6	5.6
78°	4.0	4.4	4.9	5.2	5.4	5.5
78.5°	3.8	4.2	4.6	5.0	5.2	5.3
79°	3.5	3.9	4.4	4.8	5.0	5.1
79.5°	3.1	3.5	4.1	4.5	4.8	4.8
80°	2.6	3.1	3.7	4.2	4.4	4.6
80.5°	2.1	2.6	3.2	3.7	4.1	4.3
81°	1.5	2.0	2.6	3.2	3.6	3.9
81.5°	1.1	1.4	2.0	2.6	3.1	3.3
82°	0.8	1.0	1.4	1.9	2.5	2.7
82.5°	0.7	0.7	0.9	1.3	1.8	2.1
83°	0.6	0.6	0.7	0.9	1.2	1.4
83.5°	0.6	0.6	0.6	0.7	0.8	0.9
84°	0.5	0.5	0.6	0.6	0.7	0.7
84.5°	0.4	0.5	0.5	0.6	0.6	0.7
85°	0.4	0.4	0.5	0.5	0.6	0.6
85.5°	0.4	0.4	0.4	0.5	0.5	0.6
86°	0.3	0.3	0.4	0.4	0.5	0.5
86.5°	0.3	0.3	0.3	0.4	0.4	0.4
87°	0.2	0.3	0.3	0.3	0.4	0.4
87.5°	0.2	0.2	0.3	0.3	0.3	0.4
88°	0.2	0.2	0.2	0.3	0.3	0.3
88.5°	0.1	0.1	0.2	0.2	0.2	0.3
89°	0.1	0.1	0.1	0.2	0.2	0.2
89.5°	0.1	0.1	0.1	0.1	0.2	0.2

TEST NUMBER: P979258

CATALOG NUMBER: PRLX-CYL2-X-940-15L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P979258

CATALOG NUMBER: PRLX-CYL2-X-940-15L-MD-U-S-X-X-WHTE

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	8.58	9.50	8.94	9.81	10.13	7.99	8.91	8.36	9.22	9.54
	3H	10.88	11.69	11.26	12.02	12.39	10.07	10.88	10.46	11.22	11.59
	4H	11.98	12.73	12.39	13.08	13.47	11.05	11.80	11.46	12.15	12.54
	6H	12.96	13.65	13.38	14.02	14.42	11.85	12.53	12.27	12.91	13.31
	8H	13.17	13.81	13.60	14.20	14.61	11.94	12.58	12.37	12.97	13.38
	12H	13.13	13.74	13.56	14.13	14.56	11.89	12.51	12.33	12.89	13.32
4H	2H	9.19	9.94	9.60	10.30	10.69	8.59	9.34	9.00	9.69	10.09
	3H	11.74	12.35	12.16	12.76	13.17	10.92	11.53	11.34	11.94	12.35
	4H	13.00	13.55	13.44	13.98	14.43	12.05	12.60	12.49	13.02	13.47
	6H	14.14	14.61	14.62	15.06	15.54	12.99	13.46	13.46	13.91	14.38
	8H	14.37	14.80	14.84	15.25	15.73	13.09	13.52	13.57	13.97	14.45
	12H	14.33	14.70	14.82	15.19	15.67	13.05	13.42	13.54	13.91	14.39
8H	4H	13.39	13.83	13.87	14.28	14.75	12.44	12.88	12.92	13.33	13.81
	6H	14.68	15.02	15.19	15.53	16.01	13.51	13.85	14.03	14.36	14.84
	8H	14.94	15.24	15.47	15.76	16.26	13.63	13.93	14.17	14.46	14.95
	12H	14.92	15.18	15.45	15.68	16.26	13.62	13.88	14.15	14.38	14.96
12H	4H	13.41	13.78	13.91	14.27	14.75	12.47	12.84	12.96	13.33	13.81
	6H	14.71	15.01	15.25	15.54	16.04	13.55	13.85	14.09	14.37	14.87
	8H	14.99	15.24	15.51	15.74	16.33	13.69	13.95	14.22	14.45	15.03

END OF REPORT