

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: P979249

Luminaire Tested: PRLX-CYL2-X-935-15L-NF-U-S-X-X-WHTE

Issue Date: 4/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P979249
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-935-15L-NF-U-S-X-X-WHTE
Description: PrentaLux 2-INCH CYLINDER, NARROW FLOOD OPTIC
1500 LUMENS
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

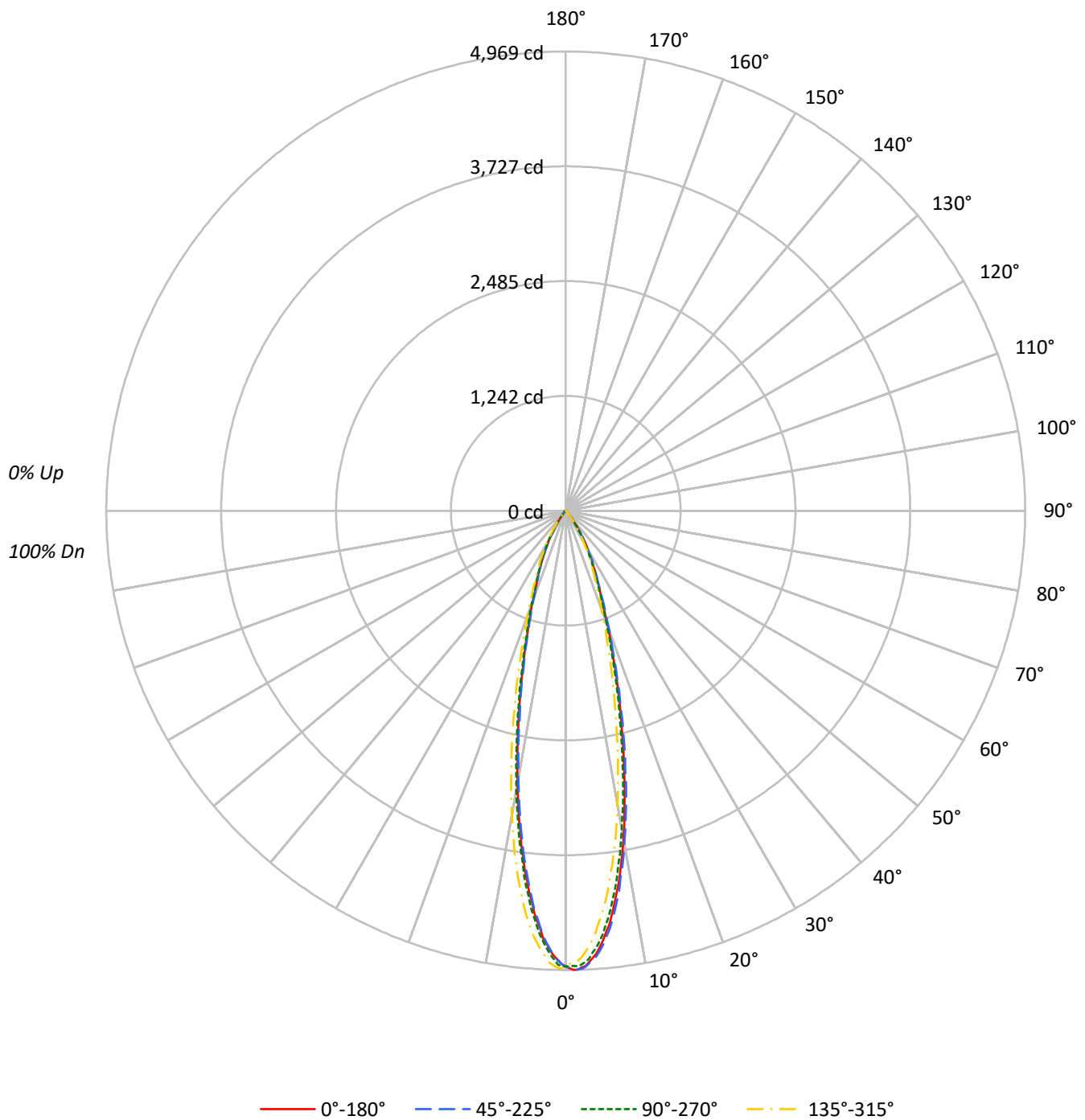
Lumens per Lamp: N/A
Luminaire Lumens: 1447.3 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.47
Luminous Opening: Circular (Dia: 0.21' x H: 0')
CIE Type: Direct

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: P979249

CATALOG NUMBER: PRLX-CYL2-X-935-15L-NF-U-S-X-X-WHTE

Luminous Intensity Polar Plot



TEST NUMBER: P979249

CATALOG NUMBER: PRLX-CYL2-X-935-15L-NF-U-S-X-X-WHTE

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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	103	100	108	104	101	99	101	99	96		98	96	94		95
3	106	101	96	93	104	99	95	92	97	94	91		94	92	90		92
4	102	96	91	88	100	95	91	87	93	89	86		91	88	85		89
5	98	91	87	83	97	91	86	83	89	85	82		87	84	82		86
6	95	88	83	79	93	87	82	79	86	82	79		84	81	78		83
7	91	84	79	76	90	83	79	76	82	78	75		81	78	75		80
8	88	81	76	73	87	80	76	73	79	75	72		78	75	72		78
9	86	78	73	70	85	77	73	70	77	73	70		76	72	70		75
10	83	75	71	68	82	75	70	67	74	70	67		73	70	67		73

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	1532447	1532447	1532447	1532447
5°	1452980	1434138	1323361	1345511
10°	1133608	1106185	946288	969703
15°	744494	721973	584206	603639
20°	441011	425566	342358	355818
25°	268661	256694	211603	220861
30°	169915	154987	119963	131051
35°	84716	73562	49206	57514
40°	28844	26288	17647	19879
45°	11559	11515	9317	9669
50°	8122	8026	7300	7397
55°	7098	6827	6556	6718
60°	6899	6278	6278	6713
65°	7059	6103	6177	6839
70°	7451	6179	6179	7269
75°	8165	6364	6364	7925
80°	8948	6085	4295	6801
85°	2496	2139	1426	1783

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 12130 cd/sqm

TEST NUMBER: P979249

CATALOG NUMBER: PRLX-CYL2-X-935-15L-NF-U-S-X-X-WHTE

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	387.0	26.7
10°-20°	568.4	39.3
20°-30°	326.7	22.6
30°-40°	116.5	8.1
40°-50°	21.1	1.5
50°-60°	11.4	0.8
60°-70°	8.9	0.6
70°-80°	6.2	0.4
80°-90°	1.0	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°	1282.2	88.6
0°-40°	1398.7	96.6
0°-60°	1431.2	98.9
0°-90°	1447.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1447.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4931	4931	4931	4931	4931	
5°	4658	4597	4242	4313	4669	410
15°	2314	2244	1816	1876	2320	634
25°	784	749	617	644	785	369
35°	223	194	130	152	224	145
45°	26	26	21	22	26	24
55°	13	13	12	12	13	12
65°	10	8	8	9	10	10
75°	7	5	5	7	7	7
85°	1	1	0	0	1	2
90°	0	0	0	0	0	

TEST NUMBER: P979249

CATALOG NUMBER: PRLX-CYL2-X-935-15L-NF-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°	4931.1	4931.1	4931.1	4931.1	4931.1	4931.1	4931.1	4931.1	4931.1	4931.1	4931.1
0.5°	4954.4	4956.5	4948.1	4935.3	4930.0	4918.4	4901.4	4905.7	4904.6	4907.8	4904.6
1°	4969.3	4969.3	4960.8	4943.8	4926.9	4922.6	4892.9	4883.4	4860.1	4865.4	4871.7
1.5°	4966.1	4961.8	4965.0	4937.5	4929.0	4900.4	4868.6	4837.8	4820.9	4810.3	4820.9
2°	4944.9	4958.7	4960.8	4927.9	4914.1	4868.6	4837.8	4792.2	4762.6	4742.4	4756.2
2.5°	4929.0	4949.1	4937.5	4917.3	4888.7	4828.3	4784.8	4736.1	4693.7	4678.8	4682.0
3°	4890.8	4913.1	4900.4	4883.4	4852.7	4792.2	4727.6	4667.2	4638.5	4614.2	4606.7
3.5°	4845.2	4871.7	4878.1	4835.7	4788.0	4735.0	4655.5	4598.3	4529.4	4517.7	4515.6
4°	4800.7	4832.5	4824.0	4788.0	4738.2	4662.9	4591.9	4501.8	4444.6	4417.0	4414.9
4.5°	4735.0	4764.7	4766.8	4736.1	4676.7	4597.2	4490.1	4423.4	4364.0	4326.9	4323.7
5°	4657.6	4708.5	4702.1	4661.9	4597.2	4507.1	4405.3	4317.4	4242.1	4217.7	4201.8
5.5°	4576.0	4627.9	4621.6	4587.7	4510.3	4410.6	4313.1	4209.2	4144.6	4097.9	4093.7
6°	4501.8	4545.3	4551.6	4498.6	4423.4	4315.2	4208.2	4101.1	4016.3	3980.3	3980.3
6.5°	4396.9	4457.3	4455.2	4410.6	4318.4	4217.7	4101.1	3985.6	3915.6	3859.4	3847.8
7°	4302.5	4356.6	4354.5	4309.9	4215.6	4099.0	3963.3	3866.9	3770.4	3735.4	3734.4
7.5°	4196.5	4260.1	4253.8	4205.0	4108.5	3987.7	3869.0	3740.7	3654.9	3605.1	3596.6
8°	4085.2	4147.8	4156.2	4096.9	3998.3	3874.3	3733.3	3614.6	3519.2	3478.9	3476.8
8.5°	3965.4	4022.7	4022.7	3967.6	3866.9	3752.4	3616.7	3487.4	3406.8	3337.9	3342.2
9°	3842.5	3907.1	3914.6	3865.8	3754.5	3615.7	3483.2	3362.3	3257.4	3216.0	3205.4
9.5°	3720.6	3792.7	3792.7	3731.2	3616.7	3495.9	3354.9	3229.8	3131.2	3081.4	3079.3
10°	3592.3	3654.9	3660.2	3595.5	3505.4	3366.6	3231.9	3094.1	2998.7	2946.8	2948.9
10.5°	3468.3	3525.6	3538.3	3476.8	3359.1	3230.9	3097.3	2971.2	2871.5	2823.8	2810.1
11°	3334.8	3395.2	3398.4	3344.3	3240.4	3106.9	2958.5	2841.9	2742.2	2685.0	2682.9
11.5°	3195.9	3269.0	3268.0	3213.9	3111.1	2976.5	2837.6	2707.2	2612.9	2557.8	2559.9
12°	3064.5	3132.3	3145.0	3082.5	2975.4	2842.9	2710.4	2579.0	2484.6	2443.3	2438.0
12.5°	2938.3	2991.3	3007.2	2947.9	2840.8	2714.7	2576.9	2455.0	2367.0	2317.2	2310.8
13°	2804.8	2864.1	2868.4	2811.1	2722.1	2585.3	2448.6	2329.9	2248.3	2194.2	2185.7
13.5°	2675.4	2742.2	2747.5	2701.9	2601.2	2468.7	2336.2	2218.6	2129.5	2084.0	2082.9
14°	2552.5	2621.4	2622.4	2571.6	2471.9	2358.5	2224.9	2108.3	2017.2	1979.0	1973.7
14.5°	2427.4	2488.9	2501.6	2445.4	2355.3	2236.6	2112.6	2003.4	1921.8	1878.3	1872.0
15°	2314.0	2363.8	2370.2	2328.8	2244.0	2117.9	1999.2	1893.2	1815.8	1772.3	1769.1
15.5°	2194.2	2250.4	2256.7	2213.3	2123.2	2010.8	1890.0	1793.5	1711.9	1674.8	1664.2
16°	2080.8	2132.7	2137.0	2097.7	2012.9	1905.9	1790.3	1693.9	1619.7	1585.8	1580.5
16.5°	1967.4	2020.4	2031.0	1985.4	1904.8	1806.2	1694.9	1602.7	1534.9	1501.0	1493.5
17°	1861.4	1913.3	1921.8	1884.7	1806.2	1707.7	1602.7	1515.8	1448.0	1417.2	1411.9
17.5°	1764.9	1808.4	1810.5	1780.8	1709.8	1611.2	1512.6	1431.0	1365.3	1336.7	1330.3
18°	1668.4	1709.8	1717.2	1679.0	1607.0	1523.2	1425.7	1346.2	1290.0	1263.5	1260.3
18.5°	1574.1	1615.4	1622.9	1586.8	1520.0	1440.5	1349.4	1276.2	1214.8	1191.4	1190.4
19°	1485.1	1526.4	1531.7	1504.1	1443.7	1361.0	1276.2	1206.3	1152.2	1128.9	1125.7
19.5°	1409.8	1450.1	1456.4	1423.6	1363.2	1289.0	1208.4	1141.6	1096.0	1072.7	1071.7
20°	1333.5	1365.3	1374.8	1343.0	1286.8	1215.8	1140.6	1078.0	1035.2	1012.2	1014.4
20.5°	1257.2	1293.2	1295.3	1270.9	1219.0	1151.2	1080.1	1022.5	976.8	959.3	961.1
21°	1192.5	1219.0	1223.2	1203.1	1151.2	1090.7	1023.9	970.1	929.2	911.8	911.8
21.5°	1127.8	1152.2	1156.5	1136.3	1087.6	1029.6	967.4	917.6	882.6	862.6	865.2
22°	1068.5	1093.9	1095.0	1071.7	1027.2	973.9	916.2	869.5	835.8	821.3	822.6

TEST NUMBER: P979249

CATALOG NUMBER: PRLX-CYL2-X-935-15L-NF-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°	1010.4	1036.0	1036.9	1014.7	973.8	925.2	871.3	826.9	795.0	781.0	782.3
23°	963.7	980.6	982.3	962.5	924.0	875.6	826.6	786.3	757.7	743.4	745.7
23.5°	911.9	926.2	931.3	911.5	875.9	831.6	783.8	746.7	719.6	705.2	709.7
24°	866.0	883.1	884.9	865.7	829.0	790.2	745.5	708.3	682.9	672.1	676.7
24.5°	823.8	836.8	838.4	821.0	787.3	751.2	708.1	671.9	650.3	639.3	643.8
25°	783.5	795.1	792.8	778.2	748.6	712.5	673.0	639.4	617.1	606.8	609.9
25.5°	747.3	756.7	757.2	738.0	709.5	677.1	638.5	607.9	586.5	576.0	579.5
26°	713.3	722.2	720.8	702.0	673.3	643.2	606.5	577.1	556.6	546.0	551.6
26.5°	675.7	683.9	683.4	666.3	639.4	610.3	574.2	545.3	526.1	516.3	521.7
27°	642.7	648.4	649.0	633.2	607.3	575.6	543.4	515.4	496.9	487.2	492.1
27.5°	615.5	618.3	615.6	601.8	574.5	545.9	515.4	485.2	467.8	459.3	464.7
28°	585.4	588.9	586.3	570.3	545.5	516.3	486.3	456.8	440.9	431.0	437.7
28.5°	555.0	559.0	556.9	538.2	514.8	487.6	455.2	428.3	413.6	402.8	410.9
29°	527.6	530.0	528.2	508.9	486.1	459.2	428.1	402.0	386.5	376.9	383.7
29.5°	501.1	501.3	499.7	482.2	458.6	430.8	401.2	375.6	360.0	351.4	357.2
30°	473.5	475.5	471.8	455.1	431.9	402.8	374.8	349.1	334.3	326.6	331.5
30.5°	445.8	449.7	445.1	427.7	405.2	376.8	349.7	323.3	310.7	302.2	307.5
31°	420.2	423.2	417.4	399.9	378.3	350.8	324.0	298.1	286.0	277.1	283.8
31.5°	393.4	395.3	390.1	372.6	350.4	325.3	299.7	274.1	261.8	253.3	259.9
32°	368.1	369.0	365.0	347.7	326.2	301.0	275.1	251.2	238.7	231.7	237.9
32.5°	341.0	342.9	339.4	322.0	301.6	276.6	251.3	228.6	217.0	210.7	216.2
33°	316.4	317.8	314.6	297.3	279.1	253.1	229.6	208.5	196.6	190.4	196.0
33.5°	292.2	294.7	290.8	274.5	255.8	232.1	209.6	190.2	178.7	173.1	177.2
34°	268.7	271.0	266.6	252.2	233.0	212.1	191.2	171.3	161.4	156.5	159.5
34.5°	246.8	248.5	244.4	229.7	213.0	192.9	173.0	154.3	144.9	141.0	143.5
35°	223.3	226.0	222.1	209.1	193.9	174.1	155.8	138.8	129.7	125.7	128.4
35.5°	202.1	204.6	201.1	189.7	175.5	156.5	140.1	124.1	115.5	112.1	114.6
36°	182.5	185.1	181.8	171.8	158.0	140.2	125.2	110.9	103.4	99.9	102.6
36.5°	163.3	166.1	162.6	153.6	141.3	125.9	112.1	99.3	92.1	89.0	90.9
37°	145.9	148.9	145.6	137.3	126.2	112.9	100.4	88.7	82.5	79.6	80.9
37.5°	130.2	133.3	130.3	123.3	113.1	100.6	89.4	79.3	73.8	71.4	72.2
38°	115.8	118.5	116.2	110.0	101.2	90.6	80.3	70.8	65.7	63.8	64.6
38.5°	103.0	105.6	103.7	99.2	90.8	81.1	71.7	63.6	58.9	57.3	58.0
39°	91.2	93.9	91.7	87.7	80.6	72.5	64.4	57.5	52.9	51.7	52.1
39.5°	80.5	83.2	81.4	78.0	72.4	65.0	58.2	51.9	47.9	46.9	46.9
40°	71.1	74.0	72.8	69.6	64.8	58.3	52.3	46.9	43.5	42.4	42.5
40.5°	62.8	65.4	64.5	61.9	58.0	52.5	47.2	42.5	39.5	38.6	38.7
41°	55.8	58.1	57.3	55.3	52.2	47.5	43.0	38.6	36.1	35.3	35.4
41.5°	49.6	52.1	51.8	49.6	47.1	43.0	39.0	35.1	33.0	32.5	32.6
42°	44.3	46.2	45.9	44.4	42.7	39.2	35.7	32.2	30.3	29.8	29.9
42.5°	39.8	41.6	41.6	40.5	38.7	35.9	32.6	29.7	28.1	27.7	27.7
43°	36.2	37.8	37.9	37.1	35.6	33.1	30.3	27.6	26.2	25.9	25.9
43.5°	33.1	34.5	34.6	34.2	32.8	30.5	28.1	25.8	24.6	24.3	24.4
44°	30.6	31.9	32.1	31.6	30.3	28.2	26.1	24.3	23.4	23.1	23.0
44.5°	28.3	29.5	29.6	29.2	28.2	26.4	24.6	23.0	22.3	21.9	21.9

TEST NUMBER: P979249

CATALOG NUMBER: PRLX-CYL2-X-935-15L-NF-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°	26.3	27.4	27.6	27.1	26.2	24.8	23.2	21.8	21.2	20.9	20.9
45.5°	24.6	25.5	25.8	25.3	24.6	23.3	22.1	20.8	20.3	20.0	19.9
46°	23.2	23.9	24.2	23.9	23.2	22.1	21.0	19.9	19.4	19.2	19.1
46.5°	22.1	22.6	22.9	22.6	22.0	21.1	20.1	19.1	18.7	18.5	18.4
47°	21.0	21.5	21.7	21.5	20.9	20.0	19.2	18.4	18.0	17.8	17.8
47.5°	20.1	20.5	20.7	20.5	19.9	19.2	18.5	17.7	17.4	17.2	17.2
48°	19.3	19.6	19.9	19.6	19.1	18.5	17.8	17.2	16.9	16.7	16.7
48.5°	18.6	18.9	19.0	18.8	18.4	17.8	17.2	16.7	16.4	16.3	16.2
49°	17.9	18.2	18.3	18.1	17.7	17.2	16.7	16.2	16.0	15.8	15.8
49.5°	17.3	17.6	17.6	17.5	17.1	16.6	16.2	15.7	15.5	15.4	15.4
50°	16.8	17.0	17.1	16.9	16.6	16.1	15.8	15.3	15.1	15.0	15.0
50.5°	16.3	16.4	16.5	16.4	16.0	15.6	15.3	14.9	14.7	14.7	14.7
51°	15.8	16.0	16.0	15.8	15.5	15.2	14.8	14.5	14.4	14.3	14.3
51.5°	15.4	15.5	15.6	15.3	15.0	14.7	14.4	14.1	14.0	14.0	14.0
52°	15.0	15.0	15.1	14.9	14.6	14.3	14.1	13.8	13.7	13.7	13.7
52.5°	14.6	14.6	14.6	14.5	14.2	14.0	13.7	13.5	13.3	13.4	13.4
53°	14.2	14.3	14.2	14.1	13.8	13.6	13.4	13.1	13.1	13.1	13.2
53.5°	13.9	13.9	13.9	13.7	13.5	13.3	13.1	12.9	12.9	12.9	12.9
54°	13.7	13.7	13.6	13.4	13.2	12.9	12.8	12.6	12.6	12.6	12.7
54.5°	13.4	13.3	13.2	13.1	12.8	12.7	12.5	12.4	12.3	12.4	12.5
55°	13.1	13.0	12.9	12.8	12.6	12.4	12.2	12.1	12.1	12.2	12.3
55.5°	12.9	12.8	12.7	12.5	12.3	12.1	12.0	11.9	11.9	12.0	12.1
56°	12.6	12.5	12.4	12.2	12.0	11.8	11.7	11.6	11.7	11.7	11.8
56.5°	12.4	12.3	12.1	11.9	11.7	11.6	11.5	11.4	11.4	11.5	11.7
57°	12.2	12.1	11.9	11.6	11.5	11.4	11.3	11.2	11.2	11.3	11.4
57.5°	12.0	11.8	11.6	11.4	11.2	11.1	11.0	10.9	11.0	11.2	11.3
58°	11.8	11.6	11.4	11.2	11.0	10.9	10.8	10.7	10.8	11.0	11.1
58.5°	11.6	11.4	11.2	11.0	10.8	10.7	10.6	10.6	10.6	10.8	10.9
59°	11.5	11.3	11.0	10.7	10.6	10.4	10.4	10.3	10.4	10.6	10.8
59.5°	11.3	11.0	10.8	10.5	10.3	10.2	10.2	10.1	10.3	10.4	10.6
60°	11.1	10.8	10.6	10.3	10.1	10.0	10.0	9.9	10.1	10.2	10.4
60.5°	10.9	10.6	10.4	10.1	10.0	9.8	9.8	9.8	9.9	10.1	10.3
61°	10.8	10.5	10.2	10.0	9.8	9.7	9.6	9.6	9.7	9.9	10.1
61.5°	10.6	10.4	10.0	9.7	9.6	9.5	9.4	9.4	9.5	9.7	10.0
62°	10.5	10.2	9.9	9.6	9.4	9.3	9.3	9.2	9.3	9.6	9.8
62.5°	10.3	10.0	9.7	9.4	9.2	9.1	9.1	9.0	9.2	9.4	9.7
63°	10.2	9.9	9.5	9.2	9.0	8.9	8.9	8.9	9.1	9.2	9.5
63.5°	10.0	9.7	9.3	9.1	8.8	8.8	8.7	8.7	8.9	9.1	9.3
64°	9.9	9.5	9.2	8.9	8.7	8.6	8.5	8.5	8.7	8.9	9.2
64.5°	9.7	9.4	9.0	8.7	8.5	8.4	8.4	8.4	8.5	8.8	9.1
65°	9.6	9.3	8.9	8.5	8.3	8.2	8.2	8.2	8.4	8.6	8.9
65.5°	9.4	9.1	8.7	8.4	8.2	8.1	8.0	8.1	8.2	8.5	8.7
66°	9.3	9.0	8.6	8.2	8.0	7.9	7.9	7.9	8.0	8.3	8.6
66.5°	9.1	8.8	8.4	8.1	7.8	7.7	7.7	7.7	7.9	8.2	8.5
67°	9.0	8.7	8.3	7.9	7.7	7.6	7.5	7.6	7.8	8.0	8.3

TEST NUMBER: P979249

CATALOG NUMBER: PRLX-CYL2-X-935-15L-NF-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°	8.9	8.5	8.1	7.8	7.5	7.4	7.4	7.4	7.6	7.9	8.2
68°	8.7	8.4	8.0	7.6	7.4	7.3	7.2	7.3	7.4	7.7	8.0
68.5°	8.6	8.3	7.8	7.4	7.2	7.1	7.1	7.1	7.3	7.6	7.9
69°	8.4	8.1	7.7	7.3	7.1	7.0	6.9	7.0	7.2	7.4	7.8
69.5°	8.3	8.0	7.6	7.2	6.9	6.8	6.8	6.8	7.0	7.3	7.6
70°	8.2	7.9	7.4	7.0	6.8	6.6	6.6	6.7	6.8	7.1	7.5
70.5°	8.0	7.7	7.3	6.9	6.6	6.5	6.5	6.5	6.7	7.0	7.3
71°	7.9	7.6	7.1	6.7	6.5	6.4	6.3	6.4	6.6	6.8	7.2
71.5°	7.8	7.5	7.0	6.6	6.3	6.2	6.2	6.2	6.4	6.7	7.0
72°	7.6	7.3	6.9	6.5	6.2	6.1	6.0	6.1	6.3	6.6	6.9
72.5°	7.5	7.2	6.8	6.3	6.1	5.9	5.9	6.0	6.1	6.4	6.7
73°	7.4	7.0	6.6	6.2	5.9	5.8	5.7	5.8	5.9	6.2	6.6
73.5°	7.2	6.9	6.5	6.1	5.8	5.6	5.6	5.7	5.8	6.1	6.4
74°	7.1	6.8	6.3	5.9	5.6	5.5	5.4	5.5	5.7	5.9	6.3
74.5°	7.0	6.6	6.2	5.8	5.5	5.3	5.3	5.3	5.5	5.7	6.1
75°	6.8	6.5	6.1	5.6	5.3	5.2	5.1	5.2	5.3	5.6	5.9
75.5°	6.7	6.3	5.9	5.5	5.2	5.0	4.9	5.0	5.1	5.4	5.7
76°	6.5	6.2	5.7	5.3	5.0	4.8	4.8	4.8	4.9	5.2	5.5
76.5°	6.4	6.0	5.6	5.2	4.8	4.7	4.6	4.6	4.8	5.0	5.3
77°	6.2	5.9	5.5	5.0	4.7	4.5	4.4	4.4	4.5	4.8	5.1
77.5°	6.0	5.7	5.3	4.9	4.5	4.3	4.2	4.2	4.3	4.5	4.8
78°	5.9	5.5	5.1	4.7	4.3	4.1	4.0	4.0	4.0	4.3	4.6
78.5°	5.7	5.3	4.9	4.5	4.1	3.9	3.8	3.7	3.8	3.9	4.2
79°	5.5	5.1	4.7	4.3	3.9	3.6	3.5	3.4	3.4	3.5	3.8
79.5°	5.2	4.9	4.5	4.1	3.7	3.4	3.2	3.0	2.9	3.0	3.3
80°	5.0	4.7	4.3	3.8	3.4	3.0	2.8	2.5	2.4	2.4	2.7
80.5°	4.7	4.4	4.0	3.5	3.0	2.6	2.3	2.0	1.8	1.8	2.1
81°	4.3	4.0	3.7	3.1	2.6	2.2	1.9	1.5	1.3	1.3	1.5
81.5°	3.8	3.6	3.2	2.6	2.1	1.8	1.3	1.1	0.9	0.9	1.0
82°	3.1	3.0	2.6	2.1	1.7	1.3	1.0	0.8	0.8	0.7	0.8
82.5°	2.5	2.4	2.1	1.6	1.2	1.0	0.8	0.7	0.7	0.7	0.7
83°	1.7	1.8	1.5	1.1	0.9	0.8	0.7	0.7	0.6	0.6	0.6
83.5°	1.1	1.1	1.0	0.9	0.8	0.7	0.7	0.6	0.6	0.6	0.6
84°	0.8	0.9	0.8	0.8	0.7	0.6	0.6	0.6	0.5	0.5	0.5
84.5°	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.5
85°	0.7	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.4	0.4	0.4
85.5°	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.4
86°	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3
86.5°	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3
87°	0.5	0.5	0.5	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	0.3	0.2	0.2	0.2	0.2
88°	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.2
88.5°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1
89°	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
89.5°	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1



TEST NUMBER: P979249
CATALOG NUMBER: PRLX-CYL2-X-935-15L-NF-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: P979249

CATALOG NUMBER: PRLX-CYL2-X-935-15L-NF-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	4931.1	4931.1	4931.1	4931.1	4931.1	4931.1
0.5°	4930.0	4930.0	4937.5	4956.5	4958.7	4952.3
1°	4883.4	4909.9	4917.3	4943.8	4954.4	4952.3
1.5°	4832.5	4856.9	4885.5	4925.8	4926.9	4962.9
2°	4775.3	4803.9	4847.4	4894.0	4920.5	4948.1
2.5°	4708.5	4740.3	4794.4	4836.8	4890.8	4919.4
3°	4624.8	4672.5	4732.9	4789.1	4847.4	4890.8
3.5°	4549.5	4596.1	4657.6	4725.5	4794.4	4852.7
4°	4450.9	4506.0	4578.1	4658.7	4738.2	4791.2
4.5°	4353.4	4405.3	4492.3	4588.7	4669.3	4729.7
5°	4242.1	4313.1	4395.8	4494.4	4589.8	4669.3
5.5°	4127.6	4191.2	4293.0	4405.3	4506.0	4574.9
6°	4016.3	4086.3	4182.7	4301.5	4423.4	4502.9
6.5°	3888.1	3970.7	4081.0	4201.8	4311.0	4405.3
7°	3768.3	3836.1	3952.7	4085.2	4212.4	4301.5
7.5°	3639.0	3720.6	3835.1	3976.0	4104.3	4201.8
8°	3511.8	3596.6	3717.4	3854.1	3990.9	4088.4
8.5°	3387.8	3457.7	3589.2	3741.8	3862.6	3977.1
9°	3246.8	3336.9	3453.5	3610.4	3753.5	3855.2
9.5°	3119.6	3202.3	3336.9	3475.7	3626.3	3721.7
10°	2989.2	3072.9	3198.0	3353.8	3491.6	3605.1
10.5°	2857.8	2940.4	3065.5	3223.5	3367.6	3471.5
11°	2726.3	2812.2	2943.6	3093.1	3228.8	3340.1
11.5°	2600.2	2680.7	2810.1	2956.3	3103.7	3203.3
12°	2476.2	2561.0	2681.8	2828.1	2966.9	3076.1
12.5°	2345.8	2430.6	2549.3	2700.9	2833.4	2938.3
13°	2231.3	2306.6	2427.4	2575.8	2711.5	2813.2
13.5°	2118.9	2197.4	2310.8	2449.7	2583.2	2681.8
14°	2012.9	2078.7	2199.5	2336.2	2463.4	2554.6
14.5°	1910.1	1985.4	2085.0	2218.6	2346.8	2438.0
15°	1804.1	1876.2	1975.8	2099.9	2227.1	2320.3
15.5°	1703.4	1767.0	1869.8	1996.0	2111.5	2201.6
16°	1612.3	1675.9	1773.4	1885.7	2002.3	2080.8
16.5°	1524.3	1588.9	1676.9	1788.2	1894.2	1974.8
17°	1440.5	1503.1	1583.6	1688.6	1795.6	1873.0
17.5°	1364.2	1416.2	1492.5	1597.4	1696.0	1769.1
18°	1289.0	1337.7	1411.9	1507.3	1599.5	1672.7
18.5°	1216.9	1262.5	1339.8	1425.7	1510.5	1577.3
19°	1151.2	1195.7	1264.6	1344.1	1427.8	1492.5
19.5°	1090.7	1137.4	1196.7	1270.9	1353.6	1414.0
20°	1036.4	1075.9	1133.1	1205.2	1279.4	1339.8
20.5°	983.7	1017.7	1071.7	1143.7	1208.4	1262.5
21°	928.9	966.3	1016.6	1079.1	1141.6	1193.6
21.5°	881.2	915.7	963.2	1019.9	1077.0	1127.8
22°	840.0	868.9	912.8	968.7	1020.1	1070.6

TEST NUMBER: P979249

CATALOG NUMBER: PRLX-CYL2-X-935-15L-NF-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	801.1	827.4	869.2	923.9	969.2	1012.4
23°	761.5	787.8	826.4	877.4	920.1	961.2
23.5°	723.2	747.6	786.6	832.9	872.3	913.7
24°	687.3	712.2	748.1	795.6	827.8	866.9
24.5°	654.8	677.2	710.7	759.7	788.1	825.6
25°	625.2	644.1	678.0	724.8	751.2	784.7
25.5°	593.8	612.6	645.3	692.4	716.5	746.6
26°	564.2	584.3	613.7	663.2	682.6	711.6
26.5°	533.9	555.9	582.3	632.4	649.7	678.2
27°	505.4	524.1	553.6	602.8	618.3	645.2
27.5°	477.7	496.3	526.0	574.8	588.8	616.2
28°	450.8	470.0	497.8	548.8	560.3	586.0
28.5°	423.6	442.8	470.0	522.6	531.8	554.9
29°	398.0	416.4	443.0	494.9	504.5	528.8
29.5°	371.0	390.7	416.8	468.5	479.3	501.6
30°	345.0	365.2	390.9	441.1	451.9	473.2
30.5°	320.5	340.0	366.1	414.4	425.3	447.2
31°	296.7	316.0	341.3	387.5	399.0	420.0
31.5°	272.4	291.9	315.9	360.1	373.4	394.3
32°	249.6	268.5	291.2	333.8	347.3	368.6
32.5°	227.6	246.0	268.0	307.6	321.4	341.8
33°	207.1	225.4	245.5	282.3	296.5	316.4
33.5°	187.9	205.4	224.5	258.3	273.6	292.6
34°	169.7	186.7	204.7	232.8	250.4	269.1
34.5°	153.3	168.6	185.1	210.3	227.8	246.6
35°	137.0	151.6	166.6	188.9	206.9	224.1
35.5°	122.2	135.3	149.7	168.4	186.2	202.9
36°	109.5	120.8	134.0	149.7	167.3	183.0
36.5°	97.1	108.2	119.9	132.3	149.8	164.5
37°	86.5	96.2	106.5	117.3	133.7	146.8
37.5°	77.2	85.9	95.0	103.1	118.7	130.4
38°	68.6	76.4	84.4	90.9	105.3	115.5
38.5°	61.3	68.1	75.0	80.4	93.3	103.2
39°	55.2	61.0	66.6	70.8	82.5	91.1
39.5°	49.6	54.7	59.5	62.7	73.1	80.8
40°	44.8	49.0	53.1	55.5	64.7	71.6
40.5°	40.5	44.0	47.6	49.5	57.3	63.3
41°	36.8	39.8	43.0	44.2	51.0	55.9
41.5°	33.7	36.1	38.8	39.8	45.4	49.8
42°	31.0	33.0	35.4	36.3	40.9	44.2
42.5°	28.6	30.5	32.4	33.2	36.9	39.8
43°	26.7	28.3	30.0	30.6	33.7	36.2
43.5°	25.0	26.4	28.0	28.5	31.0	33.2
44°	23.6	24.7	26.2	26.7	28.8	30.6
44.5°	22.4	23.4	24.6	25.1	27.1	28.4

TEST NUMBER: P979249

CATALOG NUMBER: PRLX-CYL2-X-935-15L-NF-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	21.2	22.0	23.2	23.7	25.1	26.4
45.5°	20.2	20.9	22.0	22.5	23.6	24.7
46°	19.4	19.9	20.8	21.4	22.4	23.2
46.5°	18.6	19.1	19.9	20.4	21.3	22.0
47°	17.9	18.4	19.1	19.6	20.3	20.9
47.5°	17.3	17.7	18.4	18.9	19.4	20.0
48°	16.8	17.2	17.7	18.2	18.7	19.2
48.5°	16.4	16.6	17.2	17.6	18.1	18.5
49°	15.9	16.1	16.7	17.1	17.5	17.9
49.5°	15.4	15.7	16.2	16.6	17.0	17.3
50°	15.1	15.3	15.7	16.2	16.5	16.7
50.5°	14.7	14.9	15.3	15.7	16.0	16.2
51°	14.4	14.6	15.0	15.3	15.6	15.8
51.5°	14.1	14.2	14.6	14.9	15.2	15.3
52°	13.7	13.9	14.3	14.6	14.9	14.9
52.5°	13.5	13.6	14.0	14.3	14.5	14.6
53°	13.2	13.4	13.7	14.0	14.2	14.2
53.5°	13.0	13.1	13.5	13.7	13.9	13.9
54°	12.8	12.9	13.2	13.5	13.7	13.7
54.5°	12.5	12.7	13.0	13.2	13.4	13.4
55°	12.3	12.4	12.7	13.0	13.1	13.1
55.5°	12.1	12.2	12.5	12.8	12.9	12.8
56°	11.9	12.1	12.4	12.6	12.7	12.6
56.5°	11.7	11.9	12.2	12.4	12.5	12.4
57°	11.6	11.7	12.0	12.2	12.2	12.2
57.5°	11.4	11.5	11.8	12.0	12.1	11.9
58°	11.2	11.4	11.6	11.8	11.9	11.8
58.5°	11.1	11.2	11.5	11.7	11.7	11.6
59°	10.9	11.1	11.3	11.5	11.5	11.4
59.5°	10.8	10.9	11.2	11.3	11.3	11.2
60°	10.6	10.8	11.0	11.2	11.2	11.1
60.5°	10.4	10.6	10.9	11.0	11.0	10.9
61°	10.3	10.5	10.7	10.9	10.9	10.7
61.5°	10.1	10.3	10.6	10.7	10.7	10.6
62°	10.0	10.2	10.5	10.6	10.6	10.5
62.5°	9.8	10.0	10.3	10.4	10.4	10.3
63°	9.7	9.9	10.2	10.3	10.3	10.2
63.5°	9.5	9.8	10.0	10.1	10.1	10.0
64°	9.4	9.6	9.9	10.0	10.0	9.9
64.5°	9.3	9.5	9.8	9.9	9.9	9.7
65°	9.2	9.3	9.6	9.7	9.7	9.5
65.5°	9.0	9.2	9.5	9.6	9.6	9.4
66°	8.8	9.1	9.4	9.4	9.4	9.3
66.5°	8.7	9.0	9.2	9.3	9.3	9.1
67°	8.6	8.8	9.1	9.2	9.1	9.0

TEST NUMBER: P979249

CATALOG NUMBER: PRLX-CYL2-X-935-15L-NF-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	8.4	8.7	8.9	9.0	9.0	8.9
68°	8.3	8.5	8.8	8.9	8.9	8.7
68.5°	8.2	8.4	8.7	8.8	8.8	8.5
69°	8.0	8.3	8.5	8.6	8.6	8.4
69.5°	7.9	8.1	8.4	8.5	8.5	8.3
70°	7.7	8.0	8.3	8.4	8.3	8.2
70.5°	7.6	7.9	8.2	8.3	8.2	8.0
71°	7.5	7.7	8.0	8.1	8.1	7.9
71.5°	7.3	7.6	7.9	8.0	8.0	7.8
72°	7.2	7.4	7.7	7.9	7.8	7.6
72.5°	7.0	7.3	7.6	7.7	7.7	7.5
73°	6.9	7.2	7.5	7.6	7.6	7.4
73.5°	6.8	7.0	7.3	7.5	7.4	7.2
74°	6.6	6.9	7.2	7.3	7.3	7.1
74.5°	6.4	6.7	7.0	7.2	7.1	7.0
75°	6.2	6.6	6.9	7.0	7.0	6.8
75.5°	6.0	6.4	6.7	6.9	6.9	6.7
76°	5.9	6.2	6.5	6.7	6.7	6.5
76.5°	5.7	6.0	6.4	6.5	6.5	6.4
77°	5.5	5.8	6.2	6.4	6.4	6.2
77.5°	5.2	5.6	5.9	6.2	6.2	6.0
78°	4.9	5.4	5.7	6.0	6.0	5.9
78.5°	4.6	5.1	5.5	5.7	5.8	5.7
79°	4.3	4.7	5.2	5.5	5.6	5.5
79.5°	3.8	4.3	4.9	5.2	5.3	5.2
80°	3.2	3.8	4.5	4.9	5.0	5.0
80.5°	2.6	3.2	3.9	4.4	4.7	4.7
81°	1.9	2.5	3.2	3.9	4.2	4.3
81.5°	1.2	1.7	2.5	3.2	3.6	3.8
82°	0.8	1.1	1.7	2.4	2.9	3.1
82.5°	0.7	0.8	1.1	1.6	2.2	2.4
83°	0.7	0.7	0.8	1.0	1.4	1.8
83.5°	0.6	0.7	0.7	0.8	0.9	1.1
84°	0.5	0.6	0.7	0.7	0.8	0.8
84.5°	0.5	0.5	0.6	0.7	0.7	0.8
85°	0.5	0.5	0.6	0.6	0.7	0.7
85.5°	0.4	0.5	0.5	0.6	0.6	0.6
86°	0.4	0.4	0.5	0.5	0.6	0.6
86.5°	0.3	0.4	0.4	0.5	0.5	0.5
87°	0.3	0.3	0.4	0.4	0.5	0.5
87.5°	0.2	0.3	0.3	0.4	0.4	0.4
88°	0.2	0.2	0.3	0.3	0.4	0.4
88.5°	0.1	0.2	0.2	0.3	0.3	0.3
89°	0.1	0.1	0.2	0.2	0.3	0.3
89.5°	0.1	0.1	0.1	0.2	0.2	0.2



TEST NUMBER: P979249
CATALOG NUMBER: PRLX-CYL2-X-935-15L-NF-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: P979249

CATALOG NUMBER: PRLX-CYL2-X-935-15L-NF-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	9.38	10.30	9.74	10.61	10.93	8.95	9.87	9.31	10.18	10.50
	3H	11.55	12.37	11.94	12.70	13.07	10.78	11.60	11.16	11.93	12.30
	4H	12.61	13.36	13.01	13.71	14.11	11.62	12.37	12.03	12.73	13.12
	6H	13.56	14.24	13.98	14.62	15.02	12.30	12.98	12.72	13.36	13.76
	8H	13.78	14.42	14.22	14.82	15.23	12.37	13.02	12.81	13.41	13.82
	12H	13.75	14.36	14.18	14.75	15.18	12.33	12.95	12.77	13.33	13.76
4H	2H	9.95	10.71	10.36	11.06	11.45	9.49	10.24	9.90	10.60	10.99
	3H	12.39	13.01	12.81	13.42	13.82	11.57	12.19	11.99	12.60	13.01
	4H	13.61	14.16	14.04	14.58	15.03	12.56	13.11	13.00	13.54	13.99
	6H	14.72	15.19	15.19	15.64	16.11	13.38	13.85	13.85	14.30	14.77
	8H	14.96	15.40	15.44	15.85	16.33	13.46	13.90	13.94	14.35	14.83
	12H	14.94	15.31	15.43	15.80	16.28	13.43	13.80	13.92	14.29	14.77
8H	4H	13.98	14.42	14.46	14.87	15.35	12.93	13.37	13.41	13.82	14.29
	6H	15.26	15.60	15.77	16.10	16.59	13.87	14.21	14.38	14.71	15.20
	8H	15.53	15.84	16.07	16.36	16.86	13.97	14.28	14.51	14.80	15.30
	12H	15.53	15.79	16.05	16.29	16.87	13.97	14.23	14.49	14.73	15.31
12H	4H	14.00	14.38	14.50	14.87	15.35	12.95	13.33	13.44	13.82	14.29
	6H	15.29	15.59	15.82	16.11	16.61	13.90	14.20	14.44	14.73	15.23
	8H	15.59	15.85	16.11	16.34	16.93	14.04	14.29	14.56	14.79	15.38

END OF REPORT