

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: P934821

Luminaire Tested: SQ4-FA-075U-100D-927-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934821
REPORT IS A COMBINATION OF REPORTS P933713 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-100D-927-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

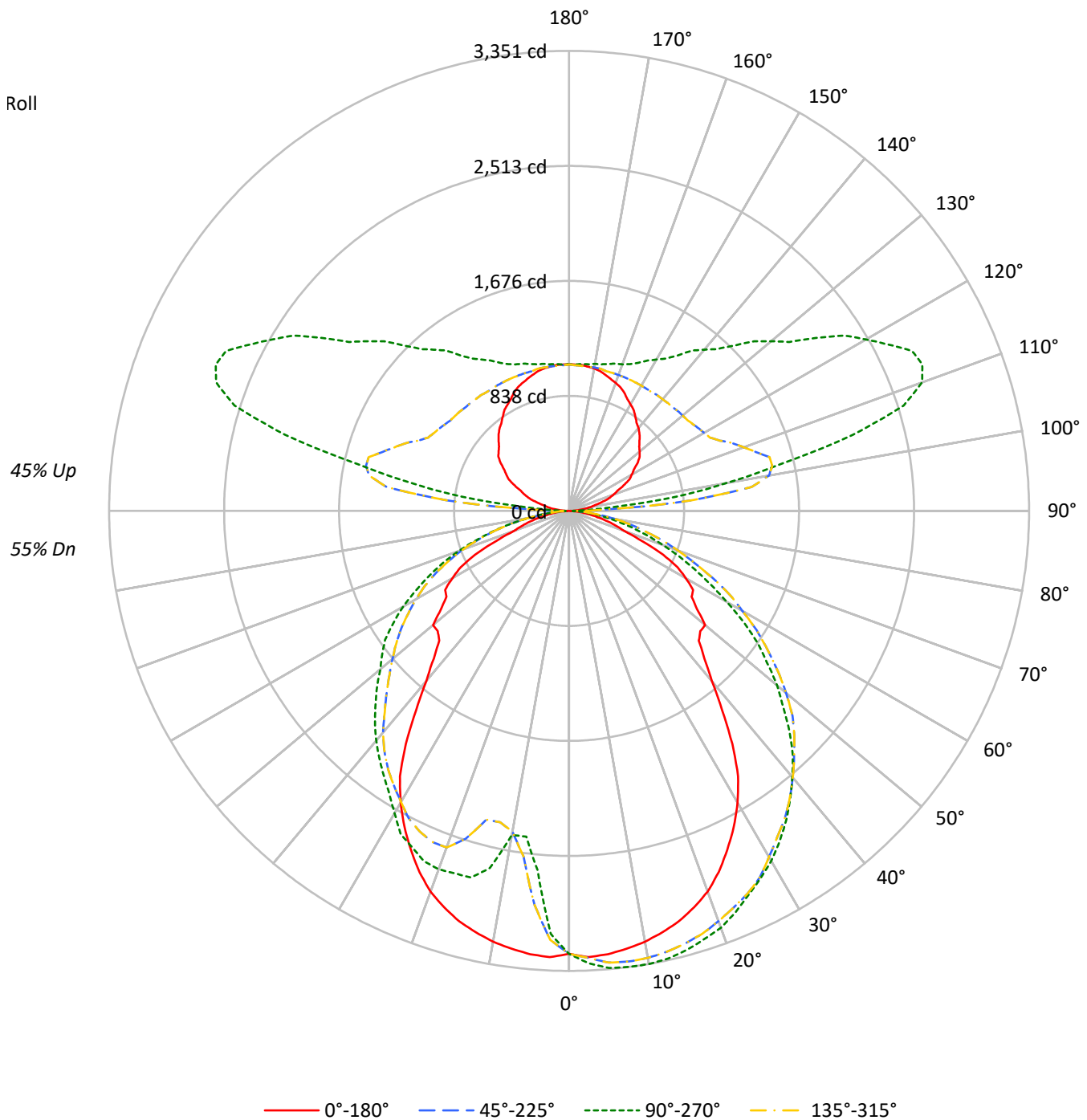
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15285.3 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 153.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	60	60	60	55
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51	54	52	51	46
2	90	83	76	71	83	77	72	67	66	62	59	56	53	51	47	45	43	47	45	43	39
3	82	73	65	59	76	68	61	56	58	53	49	50	46	43	42	39	37	42	39	37	33
4	75	64	56	50	69	60	53	47	52	46	42	44	40	37	37	34	32	37	34	32	28
5	69	57	49	43	64	54	46	41	46	41	36	40	35	32	34	30	28	34	30	28	24
6	64	51	43	37	59	48	41	35	42	36	32	36	31	28	30	27	24	30	27	24	21
7	59	46	38	33	54	43	36	31	38	32	28	33	28	25	28	24	21	28	24	21	19
8	55	42	34	29	51	39	32	27	35	29	25	30	25	22	25	22	19	25	22	19	17
9	51	38	31	26	47	36	29	25	32	26	22	27	23	20	24	20	17	24	20	17	15
10	47	35	28	23	44	33	26	22	29	24	20	25	21	18	22	18	16	22	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9978	9978	9978	9978
5°	10057	10073	10057	7920
10°	9993	9922	9993	7094
15°	9888	9707	9888	8105
20°	9685	9453	9685	8123
25°	9266	9081	9266	7950
30°	8722	8773	8722	7573
35°	7780	8383	7780	7157
40°	6486	7923	6486	6844
45°	5799	7386	5799	6483
50°	6166	6745	6166	6120
55°	5807	6054	5807	5911
60°	5993	5142	5993	5414
65°	5442	4250	5442	4752
70°	3778	3387	3778	3983
75°	3325	2504	3325	2999
80°	2699	1656	2699	1803
85°	1581	876	1581	745

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8882 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.2	1.9
10°-20°	826.8	5.4
20°-30°	1278.1	8.4
30°-40°	1525.8	10.0
40°-50°	1534.7	10.0
50°-60°	1335.4	8.7
60°-70°	946.8	6.2
70°-80°	500.9	3.3
80°-90°	128.8	0.8
90°-100°	520.1	3.4
100°-110°	1367.3	8.9
110°-120°	1417.8	9.3
120°-130°	1137.2	7.4
130°-140°	892.3	5.8
140°-150°	684.9	4.5
150°-160°	493.2	3.2
160°-170°	301.8	2.0
170°-180°	102.0	0.7
0°-30°	2396.1	15.7
0°-40°	3921.9	25.7
0°-60°	6792.0	44.4
0°-90°	8368.6	54.7
90°-120°	3305.2	21.6
90°-150°	6019.7	39.4
90°-180°	6917.0	45.3
0°-180°	15285.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3226	3226	3226	3226	3226	
5°	3241	3342	3241	2628	3241	307
15°	3095	3312	3095	2765	3095	871
25°	2726	3089	2726	2704	2726	1251
35°	2072	2756	2072	2353	2072	1282
45°	1337	2271	1337	1993	1337	1071
55°	1090	1676	1090	1636	1090	1001
65°	757	1010	757	1129	757	723
75°	287	479	287	574	287	302
85°	49	122	49	104	49	66
90°	7	27	7	27	7	8
95°	69	314	69	314	69	76
105°	246	2141	246	2141	246	261
115°	438	2757	438	2757	438	432
125°	609	2196	609	2196	609	540
135°	725	1704	725	1704	725	561
145°	841	1382	841	1382	841	527
155°	951	1190	951	1190	951	437
165°	1026	1108	1026	1108	1026	290
175°	1067	1074	1067	1074	1067	101
180°	1067	1067	1067	1067	1067	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0
2.5°	3253.5	3253.5	3271.8	3277.9	3277.9	3268.7	3259.6	3268.7	3296.2	3305.4	3302.3
5°	3241.3	3265.7	3299.3	3305.4	3311.5	3308.5	3302.3	3308.5	3339.0	3345.0	3348.1
7.5°	3216.8	3262.6	3305.4	3314.5	3323.7	3314.5	3311.5	3317.6	3348.1	3354.2	3354.2
10°	3186.3	3250.5	3299.3	3305.4	3314.5	3305.4	3305.4	3317.6	3348.1	3354.2	3357.3
12.5°	3143.6	3232.2	3277.9	3284.0	3296.2	3293.1	3290.1	3302.3	3332.9	3339.0	3339.0
15°	3094.8	3198.6	3241.3	3247.4	3268.7	3262.6	3262.6	3274.9	3308.5	3317.6	3314.5
17.5°	3027.6	3155.8	3204.7	3213.8	3229.1	3226.0	3229.1	3241.3	3271.8	3277.9	3281.0
20°	2951.3	3097.9	3155.8	3165.0	3180.3	3180.3	3180.3	3195.5	3226.0	3238.2	3238.2
22.5°	2847.5	3036.8	3097.9	3103.9	3122.3	3122.3	3128.4	3149.7	3177.2	3180.3	3180.3
25°	2725.5	2969.7	3021.6	3039.9	3058.1	3067.3	3076.5	3088.7	3097.9	3094.8	3097.9
27.5°	2597.3	2884.2	2951.3	2963.6	2988.0	2997.1	3009.3	3012.4	3015.4	3024.6	3018.5
30°	2453.8	2765.1	2865.9	2878.1	2917.8	2923.8	2911.7	2917.8	2933.0	2939.2	2945.2
32.5°	2292.1	2588.1	2777.4	2804.8	2841.5	2823.1	2820.1	2829.3	2853.7	2853.7	2859.8
35°	2072.4	2450.8	2695.0	2719.4	2746.8	2725.5	2737.7	2740.7	2756.0	2765.1	2762.1
37.5°	1831.2	2331.8	2609.5	2627.9	2649.2	2621.7	2640.0	2649.2	2661.4	2655.3	2655.3
40°	1617.6	2145.6	2508.8	2521.0	2539.3	2518.0	2536.2	2542.4	2548.5	2542.4	2539.3
42.5°	1458.9	1941.1	2401.9	2417.3	2405.0	2420.3	2426.3	2438.6	2429.4	2417.3	2417.3
45°	1336.8	1886.2	2286.0	2304.3	2286.0	2310.4	2319.5	2319.5	2292.1	2286.0	2283.0
47.5°	1297.1	1776.3	2170.0	2170.0	2160.9	2191.3	2206.7	2185.3	2157.8	2148.7	2148.7
50°	1294.1	1654.2	2011.3	1999.1	2041.8	2078.5	2063.2	2041.8	2020.5	1986.9	1986.9
52.5°	1175.0	1504.7	1806.8	1852.6	1919.8	1941.1	1916.7	1895.4	1858.7	1843.5	1831.2
55°	1089.6	1349.0	1620.6	1712.2	1782.4	1809.9	1764.1	1742.7	1687.8	1678.6	1672.5
57.5°	1071.3	1123.1	1449.8	1565.7	1651.2	1648.1	1620.6	1581.0	1535.1	1526.1	1523.0
60°	982.8	811.8	1266.6	1403.9	1492.5	1483.3	1458.9	1422.3	1379.5	1373.4	1367.3
62.5°	891.2	589.1	1059.1	1214.8	1339.9	1336.8	1315.5	1260.5	1230.0	1214.8	1202.5
65°	756.9	494.4	753.8	1010.2	1190.3	1196.4	1150.6	1111.0	1077.4	1059.1	1056.0
67.5°	576.8	402.9	509.7	842.4	1046.9	1040.7	982.8	964.4	921.7	912.5	894.3
70°	427.3	268.6	354.0	683.7	906.4	891.2	845.4	824.1	784.4	763.0	750.8
72.5°	354.0	216.7	259.4	531.1	763.0	744.7	705.0	680.6	647.0	628.7	616.5
75°	286.9	228.9	198.4	393.7	619.5	607.4	570.7	546.3	518.8	494.4	497.5
77.5°	210.6	213.7	158.7	290.0	491.4	473.1	451.7	421.2	408.9	384.5	384.5
80°	158.7	167.9	119.0	198.4	354.0	354.0	335.7	314.4	293.0	280.8	280.8
82.5°	106.8	106.8	88.5	125.1	241.1	231.9	219.8	213.7	201.4	195.3	195.3
85°	48.8	61.1	54.9	76.3	131.2	137.4	137.4	131.2	128.2	122.0	125.1
87.5°	15.2	27.5	33.6	42.7	67.1	70.2	73.2	73.2	73.2	76.3	76.3
90°	7.2	12.9	18.6	20.0	31.5	46.8	54.4	48.4	36.3	27.2	27.2
92.5°	28.6	77.3	126.0	138.2	194.3	269.0	306.5	268.6	192.9	136.1	130.7
95°	68.8	157.8	247.0	269.3	478.1	756.6	895.8	799.4	606.5	461.8	445.4
97.5°	118.9	197.5	276.1	295.8	644.0	1108.3	1340.5	1279.5	1157.6	1066.2	1035.0
100°	157.5	228.8	300.1	317.9	704.4	1219.6	1477.2	1481.7	1490.6	1497.3	1460.2
102.5°	190.5	257.0	323.5	340.1	732.0	1254.6	1516.0	1593.6	1748.9	1865.4	1833.6
105°	246.3	302.7	359.0	373.1	752.6	1258.6	1511.7	1685.8	2034.0	2295.1	2278.0
107.5°	303.6	356.1	408.6	421.8	756.4	1202.7	1425.7	1668.6	2154.2	2518.4	2522.6
110°	342.3	389.7	437.1	449.0	750.7	1153.0	1354.1	1625.6	2168.6	2575.7	2593.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	380.2	425.4	470.6	481.9	751.0	1109.6	1289.0	1566.8	2122.5	2539.2	2566.6
115°	437.5	479.2	520.9	531.3	757.8	1059.9	1210.9	1478.6	2013.9	2415.3	2453.3
117.5°	494.1	532.0	569.8	579.3	771.9	1028.7	1157.2	1398.7	1881.8	2244.2	2286.3
120°	527.1	562.7	598.3	607.2	783.4	1018.2	1135.7	1356.4	1797.8	2128.9	2169.8
122.5°	559.3	595.2	631.2	640.2	799.9	1012.8	1119.2	1317.9	1715.5	2013.6	2054.0
125°	608.7	641.5	674.3	682.5	822.1	1008.2	1101.3	1270.2	1607.8	1861.1	1898.3
127.5°	648.8	681.9	715.0	723.3	844.3	1005.6	1086.3	1231.3	1521.2	1738.7	1770.0
130°	670.3	705.9	741.5	750.4	860.5	1007.2	1080.5	1209.6	1467.7	1661.3	1690.2
132.5°	692.5	728.1	763.7	772.6	873.6	1008.2	1075.5	1191.0	1422.1	1595.4	1621.4
135°	725.4	757.8	790.3	798.4	888.0	1007.3	1067.0	1163.7	1357.2	1502.3	1524.7
137.5°	759.1	791.2	823.4	831.4	909.4	1013.5	1065.5	1147.3	1310.9	1433.6	1451.9
140°	786.9	816.5	846.2	853.5	922.5	1014.6	1060.5	1131.2	1272.5	1378.5	1395.5
142.5°	808.4	835.8	863.2	870.0	933.5	1018.2	1060.5	1122.6	1246.7	1339.8	1354.5
145°	841.4	865.2	889.1	895.1	947.9	1018.2	1053.4	1104.1	1205.7	1281.8	1293.0
147.5°	874.3	897.6	920.8	926.6	968.9	1025.2	1053.4	1093.3	1173.2	1233.1	1242.3
150°	895.8	916.8	937.9	943.1	979.8	1028.9	1053.4	1087.1	1154.5	1205.1	1212.6
152.5°	918.0	933.9	949.8	953.8	987.0	1031.3	1053.4	1082.2	1139.8	1183.0	1188.6
155°	951.0	962.7	974.5	977.4	1002.8	1036.5	1053.4	1076.3	1122.1	1156.5	1160.2
157.5°	975.3	986.8	998.2	1001.1	1018.5	1041.7	1053.4	1071.1	1106.8	1133.5	1136.1
160°	991.8	1000.7	1009.6	1011.9	1025.7	1044.1	1053.4	1068.6	1099.2	1122.1	1123.7
162.5°	1008.2	1014.9	1021.6	1023.3	1033.3	1046.7	1053.4	1066.2	1092.0	1111.3	1112.8
165°	1026.2	1032.2	1038.2	1039.7	1044.3	1050.4	1053.4	1062.6	1081.0	1094.9	1096.4
167.5°	1042.6	1045.4	1048.4	1049.0	1052.9	1058.0	1060.5	1066.5	1078.6	1087.7	1088.3
170°	1053.4	1056.2	1059.1	1059.8	1060.1	1060.4	1060.5	1066.5	1078.6	1087.7	1087.7
172.5°	1059.1	1059.7	1060.4	1060.5	1060.5	1060.5	1060.5	1065.3	1074.8	1082.0	1081.5
175°	1067.0	1067.0	1067.0	1067.0	1064.8	1062.0	1060.5	1063.5	1069.6	1074.2	1074.2
177.5°	1067.0	1067.0	1067.0	1067.0	1065.3	1063.1	1062.0	1064.4	1069.1	1072.7	1072.1
180°	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0
2.5°	3308.5	3299.3	3308.5	3302.3	3305.4	3296.2	3268.7	3259.6	3268.7	3277.9	3277.9
5°	3348.1	3342.0	3348.1	3348.1	3345.0	3339.0	3308.5	3302.3	3308.5	3311.5	3305.4
7.5°	3360.3	3351.2	3360.3	3354.2	3354.2	3348.1	3317.6	3311.5	3314.5	3323.7	3314.5
10°	3360.3	3351.2	3360.3	3357.3	3354.2	3348.1	3317.6	3305.4	3305.4	3314.5	3305.4
12.5°	3345.0	3339.0	3345.0	3339.0	3339.0	3332.9	3302.3	3290.1	3293.1	3296.2	3284.0
15°	3320.6	3311.5	3320.6	3314.5	3317.6	3308.5	3274.9	3262.6	3262.6	3268.7	3247.4
17.5°	3284.0	3271.8	3284.0	3281.0	3277.9	3271.8	3241.3	3229.1	3226.0	3229.1	3213.8
20°	3241.3	3232.2	3241.3	3238.2	3238.2	3226.0	3195.5	3180.3	3180.3	3180.3	3165.0
22.5°	3174.2	3165.0	3174.2	3180.3	3180.3	3177.2	3149.7	3128.4	3122.3	3122.3	3103.9
25°	3097.9	3088.7	3097.9	3097.9	3094.8	3097.9	3088.7	3076.5	3067.3	3058.1	3039.9
27.5°	3024.6	3018.5	3024.6	3018.5	3024.6	3015.4	3012.4	3009.3	2997.1	2988.0	2963.6
30°	2951.3	2945.2	2951.3	2945.2	2939.2	2933.0	2917.8	2911.7	2923.8	2917.8	2878.1
32.5°	2859.8	2853.7	2859.8	2859.8	2853.7	2853.7	2829.3	2820.1	2823.1	2841.5	2804.8
35°	2765.1	2756.0	2765.1	2762.1	2765.1	2756.0	2740.7	2737.7	2725.5	2746.8	2719.4
37.5°	2655.3	2646.1	2655.3	2655.3	2655.3	2661.4	2649.2	2640.0	2621.7	2649.2	2627.9
40°	2542.4	2530.1	2542.4	2539.3	2542.4	2548.5	2542.4	2536.2	2518.0	2539.3	2521.0
42.5°	2414.2	2411.1	2414.2	2417.3	2417.3	2429.4	2438.6	2426.3	2420.3	2405.0	2417.3
45°	2276.8	2270.7	2276.8	2283.0	2286.0	2292.1	2319.5	2319.5	2310.4	2286.0	2304.3
47.5°	2130.4	2115.1	2130.4	2148.7	2148.7	2157.8	2185.3	2206.7	2191.3	2160.9	2170.0
50°	1974.7	1977.7	1974.7	1986.9	1986.9	2020.5	2041.8	2063.2	2078.5	2041.8	1999.1
52.5°	1822.1	1819.0	1822.1	1831.2	1843.5	1858.7	1895.4	1916.7	1941.1	1919.8	1852.6
55°	1669.4	1675.6	1669.4	1672.5	1678.6	1687.8	1742.7	1764.1	1809.9	1782.4	1712.2
57.5°	1516.9	1507.7	1516.9	1523.0	1526.1	1535.1	1581.0	1620.6	1648.1	1651.2	1565.7
60°	1339.9	1327.6	1339.9	1367.3	1373.4	1379.5	1422.3	1458.9	1483.3	1492.5	1403.9
62.5°	1184.2	1162.9	1184.2	1202.5	1214.8	1230.0	1260.5	1315.5	1336.8	1339.9	1214.8
65°	1019.4	1010.2	1019.4	1056.0	1059.1	1077.4	1111.0	1150.6	1196.4	1190.3	1010.2
67.5°	869.9	869.9	869.9	894.3	912.5	921.7	964.4	982.8	1040.7	1046.9	842.4
70°	732.5	729.4	732.5	750.8	763.0	784.4	824.1	845.4	891.2	906.4	683.7
72.5°	601.3	598.2	601.3	616.5	628.7	647.0	680.6	705.0	744.7	763.0	531.1
75°	485.3	479.2	485.3	497.5	494.4	518.8	546.3	570.7	607.4	619.5	393.7
77.5°	372.4	372.4	372.4	384.5	384.5	408.9	421.2	451.7	473.1	491.4	290.0
80°	277.7	274.7	277.7	280.8	280.8	293.0	314.4	335.7	354.0	354.0	198.4
82.5°	195.3	189.2	195.3	195.3	195.3	201.4	213.7	219.8	231.9	241.1	125.1
85°	122.0	122.0	122.0	125.1	122.0	128.2	131.2	137.4	137.4	131.2	76.3
87.5°	79.4	76.3	79.4	76.3	76.3	73.2	73.2	73.2	70.2	67.1	42.7
90°	27.2	27.2	27.2	27.2	27.2	36.3	48.4	54.4	46.8	31.5	20.0
92.5°	109.0	87.4	109.0	130.7	136.1	192.9	268.6	306.5	269.0	194.3	138.2
95°	379.9	314.4	379.9	445.4	461.8	606.5	799.4	895.8	756.6	478.1	269.3
97.5°	910.3	785.6	910.3	1035.0	1066.2	1157.6	1279.5	1340.5	1108.3	644.0	295.8
100°	1311.5	1162.9	1311.5	1460.2	1497.3	1490.6	1481.7	1477.2	1219.6	704.4	317.9
102.5°	1706.2	1579.0	1706.2	1833.6	1865.4	1748.9	1593.6	1516.0	1254.6	732.0	340.1
105°	2209.5	2141.1	2209.5	2278.0	2295.1	2034.0	1685.8	1511.7	1258.6	752.6	373.1
107.5°	2539.2	2555.7	2539.2	2522.6	2518.4	2154.2	1668.6	1425.7	1202.7	756.4	421.8
110°	2664.8	2736.1	2664.8	2593.5	2575.7	2168.6	1625.6	1354.1	1153.0	750.7	449.0



TEST NUMBER: P934821

CATALOG NUMBER: SQ4-FA-075U-100D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2676.1	2785.6	2676.1	2566.6	2539.2	2122.5	1566.8	1289.0	1109.6	751.0	481.9
115°	2605.1	2756.9	2605.1	2453.3	2415.3	2013.9	1478.6	1210.9	1059.9	757.8	531.3
117.5°	2454.6	2623.0	2454.6	2286.3	2244.2	1881.8	1398.7	1157.2	1028.7	771.9	579.3
120°	2333.4	2497.0	2333.4	2169.8	2128.9	1797.8	1356.4	1135.7	1018.2	783.4	607.2
122.5°	2215.3	2376.7	2215.3	2054.0	2013.6	1715.5	1317.9	1119.2	1012.8	799.9	640.2
125°	2046.9	2195.5	2046.9	1898.3	1861.1	1607.8	1270.2	1101.3	1008.2	822.1	682.5
127.5°	1895.4	2020.8	1895.4	1770.0	1738.7	1521.2	1231.3	1086.3	1005.6	844.3	723.3
130°	1806.1	1922.0	1806.1	1690.2	1661.3	1467.7	1209.6	1080.5	1007.2	860.5	750.4
132.5°	1725.1	1828.9	1725.1	1621.4	1595.4	1422.1	1191.0	1075.5	1008.2	873.6	772.6
135°	1614.2	1703.5	1614.2	1524.7	1502.3	1357.2	1163.7	1067.0	1007.3	888.0	798.4
137.5°	1525.1	1598.3	1525.1	1451.9	1433.6	1310.9	1147.3	1065.5	1013.5	909.4	831.4
140°	1464.0	1532.4	1464.0	1395.5	1378.5	1272.5	1131.2	1060.5	1014.6	922.5	853.5
142.5°	1413.4	1472.2	1413.4	1354.5	1339.8	1246.7	1122.6	1060.5	1018.2	933.5	870.0
145°	1337.5	1382.0	1337.5	1293.0	1281.8	1205.7	1104.1	1053.4	1018.2	947.9	895.1
147.5°	1279.2	1316.2	1279.2	1242.3	1233.1	1173.2	1093.3	1053.4	1025.2	968.9	926.6
150°	1242.5	1272.5	1242.5	1212.6	1205.1	1154.5	1087.1	1053.4	1028.9	979.8	943.1
152.5°	1211.2	1233.8	1211.2	1188.6	1183.0	1139.8	1082.2	1053.4	1031.3	987.0	953.8
155°	1175.2	1190.1	1175.2	1160.2	1156.5	1122.1	1076.3	1053.4	1036.5	1002.8	977.4
157.5°	1146.7	1157.2	1146.7	1136.1	1133.5	1106.8	1071.1	1053.4	1041.7	1018.5	1001.1
160°	1129.7	1135.7	1129.7	1123.7	1122.1	1099.2	1068.6	1053.4	1044.1	1025.7	1011.9
162.5°	1118.5	1124.3	1118.5	1112.8	1111.3	1092.0	1066.2	1053.4	1046.7	1033.3	1023.3
165°	1102.4	1108.5	1102.4	1096.4	1094.9	1081.0	1062.6	1053.4	1050.4	1044.3	1039.7
167.5°	1090.9	1093.5	1090.9	1088.3	1087.7	1078.6	1066.5	1060.5	1058.0	1052.9	1049.0
170°	1087.7	1087.7	1087.7	1087.7	1087.7	1078.6	1066.5	1060.5	1060.4	1060.1	1059.8
172.5°	1079.2	1077.0	1079.2	1081.5	1082.0	1074.8	1065.3	1060.5	1060.5	1060.5	1060.5
175°	1074.2	1074.2	1074.2	1074.2	1074.2	1069.6	1063.5	1060.5	1062.0	1064.8	1067.0
177.5°	1069.5	1067.0	1069.5	1072.1	1072.7	1069.1	1064.4	1062.0	1063.1	1065.3	1067.0
180°	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0



TEST NUMBER: P934821

CATALOG NUMBER: SQ4-FA-075U-100D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0
2.5°	3271.8	3253.5	3253.5	3223.0	3210.7	3201.6	3186.3	3140.6	3128.4	3116.1	3134.4
5°	3299.3	3265.7	3241.3	3186.3	3140.6	3122.3	3064.3	2954.4	2881.1	2826.2	2795.7
7.5°	3305.4	3262.6	3216.8	3131.4	3021.6	2972.7	2795.7	2594.3	2539.3	2490.5	2459.9
10°	3299.3	3250.5	3186.3	3058.1	2798.7	2713.2	2536.2	2405.0	2371.4	2362.3	2371.4
12.5°	3277.9	3232.2	3143.6	2930.0	2566.8	2508.8	2405.0	2328.7	2322.6	2337.9	2420.3
15°	3241.3	3198.6	3094.8	2759.1	2438.6	2395.9	2322.6	2295.1	2328.7	2435.5	2682.8
17.5°	3204.7	3155.8	3027.6	2591.2	2341.0	2310.4	2258.5	2313.5	2502.7	2646.1	2728.6
20°	3155.8	3097.9	2951.3	2469.1	2270.7	2243.2	2218.8	2466.1	2609.5	2661.4	2707.2
22.5°	3097.9	3036.8	2847.5	2383.7	2197.5	2176.1	2191.3	2551.5	2609.5	2646.1	2685.8
25°	3021.6	2969.7	2725.5	2316.5	2139.5	2115.1	2173.1	2542.4	2576.0	2585.1	2664.4
27.5°	2951.3	2884.2	2597.3	2255.5	2069.3	2060.1	2188.3	2502.7	2527.1	2536.2	2621.7
30°	2865.9	2765.1	2453.8	2191.3	1996.1	1993.0	2191.3	2453.8	2447.8	2472.2	2557.6
32.5°	2777.4	2588.1	2292.1	2112.0	1925.8	1922.8	2170.0	2380.6	2374.5	2408.1	2472.2
35°	2695.0	2450.8	2072.4	2020.5	1837.4	1840.4	2118.1	2295.1	2298.2	2328.7	2368.4
37.5°	2609.5	2331.8	1831.2	1919.8	1751.9	1751.9	2047.9	2215.8	2209.7	2218.8	2273.8
40°	2508.8	2145.6	1617.6	1788.5	1672.5	1663.4	1962.5	2130.4	2109.0	2106.0	2182.3
42.5°	2401.9	1941.1	1458.9	1614.5	1581.0	1568.7	1858.7	2026.6	1986.9	1996.1	2093.7
45°	2286.0	1886.2	1336.8	1364.3	1486.3	1477.2	1745.7	1907.5	1880.0	1904.5	2005.2
47.5°	2170.0	1776.3	1297.1	1132.3	1385.6	1382.6	1620.6	1791.6	1776.3	1800.7	1907.5
50°	2011.3	1654.2	1294.1	970.6	1272.7	1284.9	1471.1	1678.6	1678.6	1700.0	1812.9
52.5°	1806.8	1504.7	1175.0	879.0	1141.4	1178.1	1339.9	1581.0	1587.0	1608.5	1709.2
55°	1620.6	1349.0	1089.6	808.8	985.8	1065.1	1211.7	1480.2	1492.5	1513.8	1605.4
57.5°	1449.8	1123.1	1071.3	726.4	842.4	918.7	1098.7	1382.6	1388.7	1407.0	1495.5
60°	1266.6	811.8	982.8	637.9	717.3	775.2	995.0	1266.6	1288.0	1300.1	1376.5
62.5°	1059.1	589.1	891.2	576.8	656.2	668.4	909.5	1156.7	1184.2	1193.3	1239.2
65°	753.8	494.4	756.9	525.0	592.1	595.1	818.0	1043.8	1068.2	1083.5	1117.0
67.5°	509.7	402.9	576.8	476.1	543.2	546.3	729.4	912.5	946.1	958.3	979.7
70°	354.0	268.6	427.3	424.3	488.3	494.4	634.9	793.6	824.1	833.2	845.4
72.5°	259.4	216.7	354.0	381.5	430.4	436.4	537.2	659.3	689.8	698.9	705.0
75°	198.4	228.9	286.9	332.6	366.2	369.3	439.5	537.2	558.6	564.6	567.6
77.5°	158.7	213.7	210.6	268.6	299.1	293.0	344.9	415.1	433.4	433.4	433.4
80°	119.0	167.9	158.7	192.3	219.8	213.7	247.2	296.1	302.1	308.2	305.2
82.5°	88.5	106.8	106.8	122.0	146.5	140.4	164.8	192.3	192.3	192.3	198.4
85°	54.9	61.1	48.8	64.1	82.4	79.4	91.6	103.8	106.8	106.8	100.7
87.5°	33.6	27.5	15.2	24.4	36.7	36.7	42.7	45.8	42.7	42.7	42.7
90°	18.6	12.9	7.2	12.9	18.6	20.0	31.5	46.8	54.4	48.4	36.3
92.5°	126.0	77.3	28.6	77.3	126.0	138.2	194.3	269.0	306.5	268.6	192.9
95°	247.0	157.8	68.8	157.8	247.0	269.3	478.1	756.6	895.8	799.4	606.5
97.5°	276.1	197.5	118.9	197.5	276.1	295.8	644.0	1108.3	1340.5	1279.5	1157.6
100°	300.1	228.8	157.5	228.8	300.1	317.9	704.4	1219.6	1477.2	1481.7	1490.6
102.5°	323.5	257.0	190.5	257.0	323.5	340.1	732.0	1254.6	1516.0	1593.6	1748.9
105°	359.0	302.7	246.3	302.7	359.0	373.1	752.6	1258.6	1511.7	1685.8	2034.0
107.5°	408.6	356.1	303.6	356.1	408.6	421.8	756.4	1202.7	1425.7	1668.6	2154.2
110°	437.1	389.7	342.3	389.7	437.1	449.0	750.7	1153.0	1354.1	1625.6	2168.6



TEST NUMBER: P934821

CATALOG NUMBER: SQ4-FA-075U-100D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	470.6	425.4	380.2	425.4	470.6	481.9	751.0	1109.6	1289.0	1566.8	2122.5
115°	520.9	479.2	437.5	479.2	520.9	531.3	757.8	1059.9	1210.9	1478.6	2013.9
117.5°	569.8	532.0	494.1	532.0	569.8	579.3	771.9	1028.7	1157.2	1398.7	1881.8
120°	598.3	562.7	527.1	562.7	598.3	607.2	783.4	1018.2	1135.7	1356.4	1797.8
122.5°	631.2	595.2	559.3	595.2	631.2	640.2	799.9	1012.8	1119.2	1317.9	1715.5
125°	674.3	641.5	608.7	641.5	674.3	682.5	822.1	1008.2	1101.3	1270.2	1607.8
127.5°	715.0	681.9	648.8	681.9	715.0	723.3	844.3	1005.6	1086.3	1231.3	1521.2
130°	741.5	705.9	670.3	705.9	741.5	750.4	860.5	1007.2	1080.5	1209.6	1467.7
132.5°	763.7	728.1	692.5	728.1	763.7	772.6	873.6	1008.2	1075.5	1191.0	1422.1
135°	790.3	757.8	725.4	757.8	790.3	798.4	888.0	1007.3	1067.0	1163.7	1357.2
137.5°	823.4	791.2	759.1	791.2	823.4	831.4	909.4	1013.5	1065.5	1147.3	1310.9
140°	846.2	816.5	786.9	816.5	846.2	853.5	922.5	1014.6	1060.5	1131.2	1272.5
142.5°	863.2	835.8	808.4	835.8	863.2	870.0	933.5	1018.2	1060.5	1122.6	1246.7
145°	889.1	865.2	841.4	865.2	889.1	895.1	947.9	1018.2	1053.4	1104.1	1205.7
147.5°	920.8	897.6	874.3	897.6	920.8	926.6	968.9	1025.2	1053.4	1093.3	1173.2
150°	937.9	916.8	895.8	916.8	937.9	943.1	979.8	1028.9	1053.4	1087.1	1154.5
152.5°	949.8	933.9	918.0	933.9	949.8	953.8	987.0	1031.3	1053.4	1082.2	1139.8
155°	974.5	962.7	951.0	962.7	974.5	977.4	1002.8	1036.5	1053.4	1076.3	1122.1
157.5°	998.2	986.8	975.3	986.8	998.2	1001.1	1018.5	1041.7	1053.4	1071.1	1106.8
160°	1009.6	1000.7	991.8	1000.7	1009.6	1011.9	1025.7	1044.1	1053.4	1068.6	1099.2
162.5°	1021.6	1014.9	1008.2	1014.9	1021.6	1023.3	1033.3	1046.7	1053.4	1066.2	1092.0
165°	1038.2	1032.2	1026.2	1032.2	1038.2	1039.7	1044.3	1050.4	1053.4	1062.6	1081.0
167.5°	1048.4	1045.4	1042.6	1045.4	1048.4	1049.0	1052.9	1058.0	1060.5	1066.5	1078.6
170°	1059.1	1056.2	1053.4	1056.2	1059.1	1059.8	1060.1	1060.4	1060.5	1066.5	1078.6
172.5°	1060.4	1059.7	1059.1	1059.7	1060.4	1060.5	1060.5	1060.5	1060.5	1065.3	1074.8
175°	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1064.8	1062.0	1060.5	1063.5	1069.6
177.5°	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1065.3	1063.1	1062.0	1064.4	1069.1
180°	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0



TEST NUMBER: P934821

CATALOG NUMBER: SQ4-FA-075U-100D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0	3226.0
2.5°	3113.1	3103.9	3116.1	3082.5	3116.1	3103.9	3113.1	3134.4	3116.1	3128.4	3140.6
5°	2731.6	2716.3	2667.5	2627.9	2667.5	2716.3	2731.6	2795.7	2826.2	2881.1	2954.4
7.5°	2441.7	2429.4	2417.3	2392.8	2417.3	2429.4	2441.7	2459.9	2490.5	2539.3	2594.3
10°	2377.5	2380.6	2398.9	2395.9	2398.9	2380.6	2377.5	2371.4	2362.3	2371.4	2405.0
12.5°	2542.4	2569.8	2670.5	2664.4	2670.5	2569.8	2542.4	2420.3	2337.9	2322.6	2328.7
15°	2731.6	2740.7	2762.1	2765.1	2762.1	2740.7	2731.6	2682.8	2435.5	2328.7	2295.1
17.5°	2749.9	2753.0	2768.2	2768.2	2768.2	2753.0	2749.9	2728.6	2646.1	2502.7	2313.5
20°	2734.7	2740.7	2771.2	2777.4	2771.2	2740.7	2734.7	2707.2	2661.4	2609.5	2466.1
22.5°	2728.6	2740.7	2765.1	2762.1	2765.1	2740.7	2728.6	2685.8	2646.1	2609.5	2551.5
25°	2698.0	2698.0	2701.1	2704.1	2701.1	2698.0	2698.0	2664.4	2585.1	2576.0	2542.4
27.5°	2633.9	2640.0	2658.3	2655.3	2658.3	2640.0	2633.9	2621.7	2536.2	2527.1	2502.7
30°	2576.0	2569.8	2554.6	2542.4	2554.6	2569.8	2576.0	2557.6	2472.2	2447.8	2453.8
32.5°	2478.2	2463.0	2447.8	2438.6	2447.8	2463.0	2478.2	2472.2	2408.1	2374.5	2380.6
35°	2362.3	2365.4	2362.3	2353.1	2362.3	2365.4	2362.3	2368.4	2328.7	2298.2	2295.1
37.5°	2279.9	2286.0	2283.0	2270.7	2283.0	2286.0	2279.9	2273.8	2218.8	2209.7	2215.8
40°	2194.4	2197.5	2194.4	2185.3	2194.4	2197.5	2194.4	2182.3	2106.0	2109.0	2130.4
42.5°	2112.0	2109.0	2099.8	2093.7	2099.8	2109.0	2112.0	2093.7	1996.1	1986.9	2026.6
45°	2017.4	2020.5	2002.2	1993.0	2002.2	2020.5	2017.4	2005.2	1904.5	1880.0	1907.5
47.5°	1922.8	1922.8	1907.5	1898.4	1907.5	1922.8	1922.8	1907.5	1800.7	1776.3	1791.6
50°	1822.1	1819.0	1797.6	1794.6	1797.6	1819.0	1822.1	1812.9	1700.0	1678.6	1678.6
52.5°	1706.1	1706.1	1709.2	1715.3	1709.2	1706.1	1706.1	1709.2	1608.5	1587.0	1581.0
55°	1605.4	1608.5	1629.8	1635.9	1629.8	1608.5	1605.4	1605.4	1513.8	1492.5	1480.2
57.5°	1501.6	1501.6	1516.9	1516.9	1516.9	1501.6	1501.6	1495.5	1407.0	1388.7	1382.6
60°	1382.6	1388.7	1400.9	1397.9	1400.9	1388.7	1382.6	1376.5	1300.1	1288.0	1266.6
62.5°	1257.4	1263.6	1266.6	1260.5	1266.6	1263.6	1257.4	1239.2	1193.3	1184.2	1156.7
65°	1126.2	1132.3	1135.4	1129.3	1135.4	1132.3	1126.2	1117.0	1083.5	1068.2	1043.8
67.5°	991.9	988.8	985.8	998.0	985.8	988.8	991.9	979.7	958.3	946.1	912.5
70°	854.5	854.5	851.5	857.6	851.5	854.5	854.5	845.4	833.2	824.1	793.6
72.5°	708.1	705.0	717.3	708.1	717.3	705.0	708.1	705.0	698.9	689.8	659.3
75°	564.6	570.7	564.6	573.8	564.6	570.7	564.6	567.6	564.6	558.6	537.2
77.5°	430.4	436.4	430.4	430.4	430.4	436.4	430.4	433.4	433.4	433.4	415.1
80°	305.2	302.1	302.1	299.1	302.1	302.1	305.2	305.2	308.2	302.1	296.1
82.5°	195.3	192.3	192.3	198.4	192.3	192.3	195.3	198.4	192.3	192.3	192.3
85°	106.8	109.9	103.8	103.8	103.8	109.9	106.8	100.7	106.8	106.8	103.8
87.5°	39.7	36.7	36.7	36.7	36.7	36.7	39.7	42.7	42.7	42.7	45.8
90°	27.2	27.2	27.2	27.2	27.2	27.2	27.2	36.3	48.4	54.4	46.8
92.5°	136.1	130.7	109.0	87.4	109.0	130.7	136.1	192.9	268.6	306.5	269.0
95°	461.8	445.4	379.9	314.4	379.9	445.4	461.8	606.5	799.4	895.8	756.6
97.5°	1066.2	1035.0	910.3	785.6	910.3	1035.0	1066.2	1157.6	1279.5	1340.5	1108.3
100°	1497.3	1460.2	1311.5	1162.9	1311.5	1460.2	1497.3	1490.6	1481.7	1477.2	1219.6
102.5°	1865.4	1833.6	1706.2	1579.0	1706.2	1833.6	1865.4	1748.9	1593.6	1516.0	1254.6
105°	2295.1	2278.0	2209.5	2141.1	2209.5	2278.0	2295.1	2034.0	1685.8	1511.7	1258.6
107.5°	2518.4	2522.6	2539.2	2555.7	2539.2	2522.6	2518.4	2154.2	1668.6	1425.7	1202.7
110°	2575.7	2593.5	2664.8	2736.1	2664.8	2593.5	2575.7	2168.6	1625.6	1354.1	1153.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2539.2	2566.6	2676.1	2785.6	2676.1	2566.6	2539.2	2122.5	1566.8	1289.0	1109.6
115°	2415.3	2453.3	2605.1	2756.9	2605.1	2453.3	2415.3	2013.9	1478.6	1210.9	1059.9
117.5°	2244.2	2286.3	2454.6	2623.0	2454.6	2286.3	2244.2	1881.8	1398.7	1157.2	1028.7
120°	2128.9	2169.8	2333.4	2497.0	2333.4	2169.8	2128.9	1797.8	1356.4	1135.7	1018.2
122.5°	2013.6	2054.0	2215.3	2376.7	2215.3	2054.0	2013.6	1715.5	1317.9	1119.2	1012.8
125°	1861.1	1898.3	2046.9	2195.5	2046.9	1898.3	1861.1	1607.8	1270.2	1101.3	1008.2
127.5°	1738.7	1770.0	1895.4	2020.8	1895.4	1770.0	1738.7	1521.2	1231.3	1086.3	1005.6
130°	1661.3	1690.2	1806.1	1922.0	1806.1	1690.2	1661.3	1467.7	1209.6	1080.5	1007.2
132.5°	1595.4	1621.4	1725.1	1828.9	1725.1	1621.4	1595.4	1422.1	1191.0	1075.5	1008.2
135°	1502.3	1524.7	1614.2	1703.5	1614.2	1524.7	1502.3	1357.2	1163.7	1067.0	1007.3
137.5°	1433.6	1451.9	1525.1	1598.3	1525.1	1451.9	1433.6	1310.9	1147.3	1065.5	1013.5
140°	1378.5	1395.5	1464.0	1532.4	1464.0	1395.5	1378.5	1272.5	1131.2	1060.5	1014.6
142.5°	1339.8	1354.5	1413.4	1472.2	1413.4	1354.5	1339.8	1246.7	1122.6	1060.5	1018.2
145°	1281.8	1293.0	1337.5	1382.0	1337.5	1293.0	1281.8	1205.7	1104.1	1053.4	1018.2
147.5°	1233.1	1242.3	1279.2	1316.2	1279.2	1242.3	1233.1	1173.2	1093.3	1053.4	1025.2
150°	1205.1	1212.6	1242.5	1272.5	1242.5	1212.6	1205.1	1154.5	1087.1	1053.4	1028.9
152.5°	1183.0	1188.6	1211.2	1233.8	1211.2	1188.6	1183.0	1139.8	1082.2	1053.4	1031.3
155°	1156.5	1160.2	1175.2	1190.1	1175.2	1160.2	1156.5	1122.1	1076.3	1053.4	1036.5
157.5°	1133.5	1136.1	1146.7	1157.2	1146.7	1136.1	1133.5	1106.8	1071.1	1053.4	1041.7
160°	1122.1	1123.7	1129.7	1135.7	1129.7	1123.7	1122.1	1099.2	1068.6	1053.4	1044.1
162.5°	1111.3	1112.8	1118.5	1124.3	1118.5	1112.8	1111.3	1092.0	1066.2	1053.4	1046.7
165°	1094.9	1096.4	1102.4	1108.5	1102.4	1096.4	1094.9	1081.0	1062.6	1053.4	1050.4
167.5°	1087.7	1088.3	1090.9	1093.5	1090.9	1088.3	1087.7	1078.6	1066.5	1060.5	1058.0
170°	1087.7	1087.7	1087.7	1087.7	1087.7	1087.7	1087.7	1078.6	1066.5	1060.5	1060.4
172.5°	1082.0	1081.5	1079.2	1077.0	1079.2	1081.5	1082.0	1074.8	1065.3	1060.5	1060.5
175°	1074.2	1074.2	1074.2	1074.2	1074.2	1074.2	1074.2	1069.6	1063.5	1060.5	1062.0
177.5°	1072.7	1072.1	1069.5	1067.0	1069.5	1072.1	1072.7	1069.1	1064.4	1062.0	1063.1
180°	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3226.0	3226.0	3226.0	3226.0	3226.0
2.5°	3186.3	3201.6	3210.7	3223.0	3253.5
5°	3064.3	3122.3	3140.6	3186.3	3241.3
7.5°	2795.7	2972.7	3021.6	3131.4	3216.8
10°	2536.2	2713.2	2798.7	3058.1	3186.3
12.5°	2405.0	2508.8	2566.8	2930.0	3143.6
15°	2322.6	2395.9	2438.6	2759.1	3094.8
17.5°	2258.5	2310.4	2341.0	2591.2	3027.6
20°	2218.8	2243.2	2270.7	2469.1	2951.3
22.5°	2191.3	2176.1	2197.5	2383.7	2847.5
25°	2173.1	2115.1	2139.5	2316.5	2725.5
27.5°	2188.3	2060.1	2069.3	2255.5	2597.3
30°	2191.3	1993.0	1996.1	2191.3	2453.8
32.5°	2170.0	1922.8	1925.8	2112.0	2292.1
35°	2118.1	1840.4	1837.4	2020.5	2072.4
37.5°	2047.9	1751.9	1751.9	1919.8	1831.2
40°	1962.5	1663.4	1672.5	1788.5	1617.6
42.5°	1858.7	1568.7	1581.0	1614.5	1458.9
45°	1745.7	1477.2	1486.3	1364.3	1336.8
47.5°	1620.6	1382.6	1385.6	1132.3	1297.1
50°	1471.1	1284.9	1272.7	970.6	1294.1
52.5°	1339.9	1178.1	1141.4	879.0	1175.0
55°	1211.7	1065.1	985.8	808.8	1089.6
57.5°	1098.7	918.7	842.4	726.4	1071.3
60°	995.0	775.2	717.3	637.9	982.8
62.5°	909.5	668.4	656.2	576.8	891.2
65°	818.0	595.1	592.1	525.0	756.9
67.5°	729.4	546.3	543.2	476.1	576.8
70°	634.9	494.4	488.3	424.3	427.3
72.5°	537.2	436.4	430.4	381.5	354.0
75°	439.5	369.3	366.2	332.6	286.9
77.5°	344.9	293.0	299.1	268.6	210.6
80°	247.2	213.7	219.8	192.3	158.7
82.5°	164.8	140.4	146.5	122.0	106.8
85°	91.6	79.4	82.4	64.1	48.8
87.5°	42.7	36.7	36.7	24.4	15.2
90°	31.5	20.0	18.6	12.9	7.2
92.5°	194.3	138.2	126.0	77.3	28.6
95°	478.1	269.3	247.0	157.8	68.8
97.5°	644.0	295.8	276.1	197.5	118.9
100°	704.4	317.9	300.1	228.8	157.5
102.5°	732.0	340.1	323.5	257.0	190.5
105°	752.6	373.1	359.0	302.7	246.3
107.5°	756.4	421.8	408.6	356.1	303.6
110°	750.7	449.0	437.1	389.7	342.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	751.0	481.9	470.6	425.4	380.2
115°	757.8	531.3	520.9	479.2	437.5
117.5°	771.9	579.3	569.8	532.0	494.1
120°	783.4	607.2	598.3	562.7	527.1
122.5°	799.9	640.2	631.2	595.2	559.3
125°	822.1	682.5	674.3	641.5	608.7
127.5°	844.3	723.3	715.0	681.9	648.8
130°	860.5	750.4	741.5	705.9	670.3
132.5°	873.6	772.6	763.7	728.1	692.5
135°	888.0	798.4	790.3	757.8	725.4
137.5°	909.4	831.4	823.4	791.2	759.1
140°	922.5	853.5	846.2	816.5	786.9
142.5°	933.5	870.0	863.2	835.8	808.4
145°	947.9	895.1	889.1	865.2	841.4
147.5°	968.9	926.6	920.8	897.6	874.3
150°	979.8	943.1	937.9	916.8	895.8
152.5°	987.0	953.8	949.8	933.9	918.0
155°	1002.8	977.4	974.5	962.7	951.0
157.5°	1018.5	1001.1	998.2	986.8	975.3
160°	1025.7	1011.9	1009.6	1000.7	991.8
162.5°	1033.3	1023.3	1021.6	1014.9	1008.2
165°	1044.3	1039.7	1038.2	1032.2	1026.2
167.5°	1052.9	1049.0	1048.4	1045.4	1042.6
170°	1060.1	1059.8	1059.1	1056.2	1053.4
172.5°	1060.5	1060.5	1060.4	1059.7	1059.1
175°	1064.8	1067.0	1067.0	1067.0	1067.0
177.5°	1065.3	1067.0	1067.0	1067.0	1067.0
180°	1067.0	1067.0	1067.0	1067.0	1067.0



TEST NUMBER: P934821
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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	13.23	14.14	14.15	15.07	16.27	16.08	16.99	17.00	17.92	19.13
	3H	13.71	14.52	14.64	15.47	16.69	17.44	18.25	18.37	19.19	20.42
	4H	13.91	14.67	14.85	15.62	16.86	17.89	18.66	18.83	19.61	20.84
	6H	14.03	14.73	14.98	15.69	16.94	18.18	18.89	19.14	19.84	21.09
	8H	14.03	14.70	14.99	15.67	16.92	18.26	18.93	19.22	19.91	21.15
	12H	14.00	14.64	14.97	15.61	16.88	18.30	18.95	19.27	19.91	21.18
4H	2H	14.28	15.04	15.22	15.99	17.23	16.50	17.27	17.44	18.21	19.45
	3H	15.31	15.95	16.26	16.93	18.17	18.01	18.65	18.97	19.63	20.88
	4H	15.59	16.17	16.55	17.14	18.42	18.55	19.13	19.52	20.10	21.38
	6H	15.71	16.22	16.69	17.21	18.48	18.92	19.42	19.90	20.42	21.69
	8H	15.72	16.19	16.70	17.18	18.47	19.03	19.50	20.01	20.49	21.78
	12H	15.69	16.11	16.69	17.12	18.41	19.10	19.52	20.10	20.52	21.82
8H	4H	16.05	16.52	17.03	17.50	18.79	18.68	19.15	19.66	20.14	21.42
	6H	16.31	16.70	17.32	17.73	19.01	19.12	19.51	20.13	20.54	21.82
	8H	16.35	16.69	17.37	17.71	19.02	19.28	19.62	20.29	20.64	21.94
	12H	16.34	16.64	17.36	17.65	19.00	19.38	19.68	20.40	20.69	22.04
12H	4H	16.05	16.48	17.06	17.48	18.78	18.64	19.07	19.64	20.07	21.36
	6H	16.37	16.71	17.39	17.73	19.04	19.12	19.46	20.13	20.48	21.78
	8H	16.44	16.74	17.46	17.75	19.10	19.28	19.59	20.30	20.60	21.95