

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: P935008

Luminaire Tested: SQ4-FA-075U-125D-B50-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935008
REPORT IS A COMBINATION OF REPORTS P933720 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-125D-B50-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

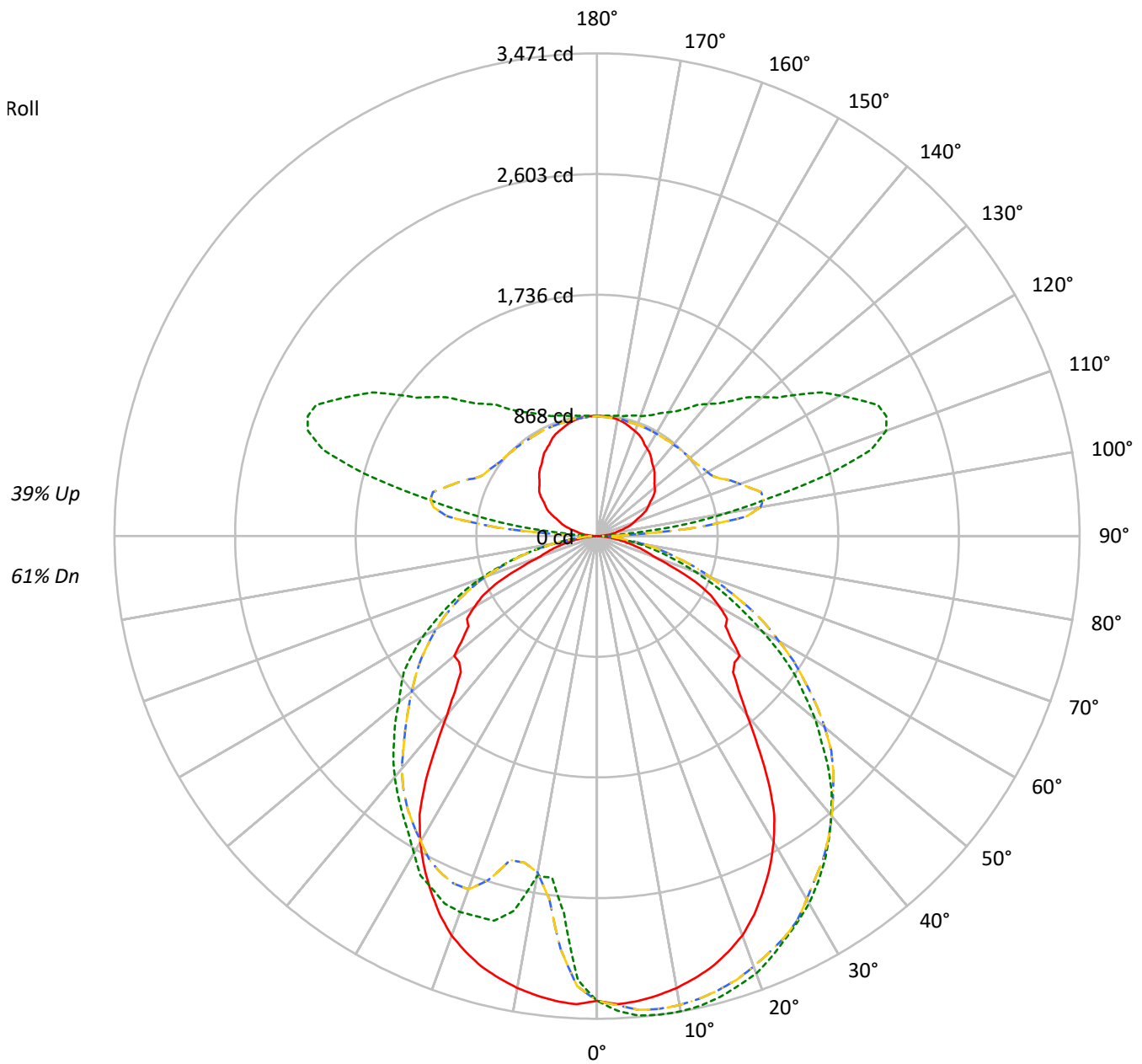
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14259.4 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 124
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



— 0°-180° - - 45°-225° ··· 90°-270° - · 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	66	66	66	61
1	100	96	92	88	94	90	86	83	79	76	74	68	66	65	59	57	56	56	56	56	51
2	91	84	78	72	85	79	73	68	69	65	61	60	57	54	52	49	47	47	47	47	43
3	83	74	66	60	78	69	63	57	61	56	51	53	49	46	46	43	40	40	40	40	36
4	76	65	57	51	71	61	54	49	54	48	44	47	43	39	41	37	35	35	35	35	31
5	70	58	50	44	65	55	47	42	48	42	38	42	38	34	37	33	30	30	30	30	27
6	65	52	44	38	60	49	42	36	44	37	33	38	33	30	33	29	26	26	26	26	24
7	60	47	39	33	56	45	37	32	39	33	29	35	30	26	30	26	23	23	23	23	21
8	55	43	35	29	52	40	33	28	36	30	26	32	27	23	28	24	21	21	21	21	19
9	52	39	31	26	48	37	30	25	33	27	23	29	24	21	26	22	19	19	19	19	17
10	48	36	29	24	45	34	27	23	30	25	21	27	22	19	24	20	17	17	17	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15501	15501	15501	15501
5°	15617	15648	15617	12304
10°	15513	15414	15513	11020
15°	15344	15080	15344	12592
20°	15023	14684	15023	12618
25°	14366	14108	14366	12351
30°	13518	13628	13518	11764
35°	12050	13022	12050	11119
40°	10041	12309	10041	10631
45°	8972	11474	8972	10070
50°	9532	10478	9532	9509
55°	8968	9406	8968	9183
60°	9244	7988	9244	8410
65°	8381	6603	8381	7382
70°	5803	5262	5803	6187
75°	5088	3889	5088	4658
80°	4102	2572	4102	2801
85°	2352	1363	2352	1158

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13751 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.6	2.1
10°-20°	856.3	6.0
20°-30°	1323.7	9.3
30°-40°	1580.2	11.1
40°-50°	1589.5	11.1
50°-60°	1383.0	9.7
60°-70°	980.6	6.9
70°-80°	518.8	3.6
80°-90°	132.5	0.9
90°-100°	420.6	2.9
100°-110°	1105.7	7.8
110°-120°	1146.5	8.0
120°-130°	919.6	6.4
130°-140°	721.6	5.1
140°-150°	553.9	3.9
150°-160°	398.9	2.8
160°-170°	244.0	1.7
170°-180°	82.5	0.6
0°-30°	2481.6	17.4
0°-40°	4061.8	28.5
0°-60°	7034.3	49.3
0°-90°	8666.2	60.8
90°-120°	2672.8	18.7
90°-150°	4867.9	34.1
90°-180°	5593.0	39.2
0°-180°	14259.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3341	3341	3341	3341	3341	
5°	3357	3461	3357	2722	3357	318
15°	3205	3430	3205	2864	3205	902
25°	2823	3199	2823	2801	2823	1296
35°	2146	2854	2146	2437	2146	1328
45°	1384	2352	1384	2064	1384	1109
55°	1128	1735	1128	1694	1128	1037
65°	784	1046	784	1170	784	749
75°	297	496	297	594	297	312
85°	50	126	50	108	50	68
90°	6	22	6	22	6	7
95°	56	254	56	254	56	62
105°	199	1731	199	1731	199	211
115°	354	2229	354	2229	354	349
125°	492	1775	492	1775	492	437
135°	587	1378	587	1378	587	454
145°	680	1118	680	1118	680	426
155°	769	962	769	962	769	353
165°	830	896	830	896	830	234
175°	863	869	863	869	863	82
180°	863	863	863	863	863	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1
2.5°	3369.5	3369.5	3388.5	3394.8	3394.8	3385.4	3375.8	3385.4	3413.8	3423.3	3420.1
5°	3356.9	3382.2	3416.9	3423.3	3429.6	3426.5	3420.1	3426.5	3458.0	3464.4	3467.6
7.5°	3331.6	3379.0	3423.3	3432.7	3442.3	3432.7	3429.6	3435.9	3467.6	3473.8	3473.8
10°	3300.0	3366.4	3416.9	3423.3	3432.7	3423.3	3423.3	3435.9	3467.6	3473.8	3477.0
12.5°	3255.7	3347.4	3394.8	3401.2	3413.8	3410.6	3407.5	3420.1	3451.7	3458.0	3458.0
15°	3205.2	3312.6	3356.9	3363.2	3385.4	3379.0	3379.0	3391.6	3426.5	3435.9	3432.7
17.5°	3135.6	3268.3	3319.0	3328.4	3344.3	3341.1	3344.3	3356.9	3388.5	3394.8	3398.0
20°	3056.6	3208.3	3268.3	3277.9	3293.7	3293.7	3293.7	3309.4	3341.1	3353.7	3353.7
22.5°	2949.1	3145.2	3208.3	3214.6	3233.6	3233.6	3240.0	3262.1	3290.5	3293.7	3293.7
25°	2822.7	3075.6	3129.3	3148.2	3167.2	3176.7	3186.2	3198.9	3208.3	3205.2	3208.3
27.5°	2689.9	2987.0	3056.6	3069.2	3094.5	3104.1	3116.7	3119.8	3123.0	3132.4	3126.1
30°	2541.4	2863.8	2968.1	2980.8	3021.9	3028.1	3015.5	3021.9	3037.6	3044.0	3050.3
32.5°	2373.9	2680.5	2876.4	2904.9	2942.8	2923.9	2920.7	2930.1	2955.5	2955.5	2961.8
35°	2146.2	2538.2	2791.1	2816.4	2844.8	2822.7	2835.3	2838.5	2854.3	2863.8	2860.7
37.5°	1896.6	2415.0	2702.6	2721.6	2743.7	2715.2	2734.2	2743.7	2756.3	2750.0	2750.0
40°	1675.3	2222.1	2598.3	2610.9	2629.9	2607.7	2626.7	2633.0	2639.4	2633.0	2629.9
42.5°	1510.9	2010.3	2487.6	2503.4	2490.8	2506.6	2512.9	2525.5	2516.1	2503.4	2503.4
45°	1384.5	1953.5	2367.5	2386.5	2367.5	2392.8	2402.3	2402.3	2373.9	2367.5	2364.3
47.5°	1343.4	1839.6	2247.4	2247.4	2238.0	2269.5	2285.3	2263.2	2234.8	2225.3	2225.3
50°	1340.2	1713.2	2083.0	2070.4	2114.7	2152.6	2136.8	2114.7	2092.5	2057.8	2057.8
52.5°	1216.9	1558.3	1871.3	1918.7	1988.2	2010.3	1985.0	1962.9	1925.0	1909.2	1896.6
55°	1128.5	1397.2	1678.5	1773.3	1846.0	1874.4	1827.0	1804.9	1748.0	1738.5	1732.2
57.5°	1109.5	1163.2	1501.4	1621.5	1710.1	1706.9	1678.5	1637.4	1589.9	1580.4	1577.3
60°	1017.8	840.8	1311.8	1454.1	1545.7	1536.2	1510.9	1473.0	1428.7	1422.4	1416.1
62.5°	923.0	610.1	1096.8	1258.0	1387.6	1384.5	1362.3	1305.5	1273.9	1258.0	1245.4
65°	783.9	512.1	780.7	1046.3	1232.8	1239.0	1191.7	1150.6	1115.8	1096.8	1093.7
67.5°	597.4	417.2	527.9	872.4	1084.2	1077.8	1017.8	998.8	954.6	945.1	926.2
70°	442.5	278.1	366.7	708.1	938.8	923.0	875.5	853.5	812.4	790.3	777.6
72.5°	366.7	224.4	268.7	550.0	790.3	771.3	730.2	704.9	670.1	651.2	638.5
75°	297.1	237.0	205.5	407.8	641.7	629.0	591.1	565.8	537.3	512.1	515.2
77.5°	218.1	221.3	164.4	300.3	508.9	490.0	467.8	436.2	423.6	398.3	398.3
80°	164.4	173.8	123.3	205.5	366.7	366.7	347.7	325.6	303.5	290.8	290.8
82.5°	110.6	110.6	91.6	129.6	249.8	240.2	227.6	221.3	208.7	202.3	202.3
85°	50.5	63.2	56.9	79.0	135.9	142.2	142.2	135.9	132.7	126.5	129.6
87.5°	15.8	28.5	34.7	44.3	69.6	72.7	75.8	75.8	75.8	79.0	79.0
90°	5.8	10.5	15.1	16.3	25.5	37.8	44.0	39.1	29.3	22.0	22.0
92.5°	23.2	62.6	102.0	111.8	157.2	217.6	247.9	217.2	156.0	110.0	105.6
95°	55.6	127.7	199.7	217.7	386.6	611.8	724.4	646.4	490.4	373.5	360.2
97.5°	96.1	159.7	223.3	239.2	520.8	896.3	1084.0	1034.7	936.1	862.3	837.1
100°	127.4	185.0	242.7	257.1	569.6	986.3	1194.6	1198.2	1205.4	1210.8	1180.8
102.5°	154.0	207.8	261.6	275.1	592.0	1014.6	1225.9	1288.6	1414.3	1508.5	1482.7
105°	199.2	244.8	290.3	301.7	608.6	1017.8	1222.4	1363.2	1644.7	1855.9	1842.0
107.5°	245.5	288.0	330.4	341.1	611.7	972.5	1152.9	1349.3	1742.0	2036.6	2039.9
110°	276.8	315.1	353.4	363.0	607.0	932.3	1095.0	1314.5	1753.6	2082.9	2097.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	307.5	344.0	380.5	389.7	607.2	897.3	1042.3	1267.1	1716.4	2053.4	2075.5
115°	353.8	387.5	421.2	429.6	612.8	857.0	979.2	1195.6	1628.5	1953.2	1983.9
117.5°	399.6	430.2	460.8	468.5	624.3	831.9	935.8	1131.1	1521.8	1814.8	1848.8
120°	426.2	455.0	483.8	491.0	633.4	823.4	918.4	1096.9	1453.9	1721.5	1754.6
122.5°	452.2	481.4	510.4	517.7	646.8	818.9	905.0	1065.8	1387.3	1628.3	1660.9
125°	492.2	518.7	545.2	551.8	664.7	815.3	890.6	1027.1	1300.1	1505.0	1535.0
127.5°	524.6	551.4	578.1	584.9	682.8	813.2	878.4	995.6	1230.1	1406.0	1431.3
130°	542.0	570.8	599.6	606.8	695.8	814.5	873.9	978.2	1186.9	1343.5	1366.9
132.5°	559.9	588.8	617.7	624.8	706.5	815.3	869.7	963.1	1150.0	1290.1	1311.1
135°	586.6	612.8	639.1	645.7	718.1	814.5	862.8	941.1	1097.5	1214.9	1233.0
137.5°	613.8	639.8	665.8	672.3	735.4	819.6	861.6	927.7	1060.1	1159.3	1174.0
140°	636.4	660.3	684.2	690.2	746.0	820.4	857.6	914.8	1029.0	1114.7	1128.6
142.5°	653.8	675.9	698.1	703.6	755.0	823.4	857.6	907.8	1008.2	1083.4	1095.3
145°	680.4	699.8	719.0	723.8	766.5	823.4	851.8	892.9	975.0	1036.6	1045.5
147.5°	707.0	725.8	744.7	749.3	783.5	829.0	851.8	884.1	948.7	997.1	1004.6
150°	724.4	741.4	758.4	762.6	792.3	832.0	851.8	879.1	933.6	974.5	980.6
152.5°	742.3	755.2	768.1	771.3	798.1	833.9	851.8	875.1	921.7	956.6	961.2
155°	769.0	778.5	788.0	790.4	810.9	838.2	851.8	870.3	907.4	935.2	938.2
157.5°	788.7	797.9	807.2	809.5	823.6	842.4	851.8	866.2	895.1	916.6	918.8
160°	802.0	809.2	816.4	818.2	829.4	844.3	851.8	864.1	888.9	907.4	908.6
162.5°	815.3	820.7	826.1	827.5	835.6	846.4	851.8	862.3	883.1	898.7	899.8
165°	829.8	834.6	839.6	840.8	844.4	849.4	851.8	859.3	874.2	885.4	886.6
167.5°	843.1	845.5	847.8	848.4	851.4	855.5	857.6	862.5	872.3	879.6	880.1
170°	851.8	854.1	856.5	857.0	857.2	857.5	857.6	862.5	872.3	879.6	879.6
172.5°	856.5	856.9	857.5	857.6	857.6	857.6	857.6	861.4	869.2	875.0	874.5
175°	862.8	862.8	862.8	862.8	861.1	858.7	857.6	860.0	865.0	868.6	868.6
177.5°	862.8	862.8	862.8	862.8	861.4	859.7	858.7	860.7	864.5	867.4	866.9
180°	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1
2.5°	3426.5	3416.9	3426.5	3420.1	3423.3	3413.8	3385.4	3375.8	3385.4	3394.8	3394.8
5°	3467.6	3461.2	3467.6	3467.6	3464.4	3458.0	3426.5	3420.1	3426.5	3429.6	3423.3
7.5°	3480.2	3470.7	3480.2	3473.8	3473.8	3467.6	3435.9	3429.6	3432.7	3442.3	3432.7
10°	3480.2	3470.7	3480.2	3477.0	3473.8	3467.6	3435.9	3423.3	3423.3	3432.7	3423.3
12.5°	3464.4	3458.0	3464.4	3458.0	3458.0	3451.7	3420.1	3407.5	3410.6	3413.8	3401.2
15°	3439.1	3429.6	3439.1	3432.7	3435.9	3426.5	3391.6	3379.0	3379.0	3385.4	3363.2
17.5°	3401.2	3388.5	3401.2	3398.0	3394.8	3388.5	3356.9	3344.3	3341.1	3344.3	3328.4
20°	3356.9	3347.4	3356.9	3353.7	3353.7	3341.1	3309.4	3293.7	3293.7	3293.7	3277.9
22.5°	3287.3	3277.9	3287.3	3293.7	3293.7	3290.5	3262.1	3240.0	3233.6	3233.6	3214.6
25°	3208.3	3198.9	3208.3	3208.3	3205.2	3208.3	3198.9	3186.2	3176.7	3167.2	3148.2
27.5°	3132.4	3126.1	3132.4	3126.1	3132.4	3123.0	3119.8	3116.7	3104.1	3094.5	3069.2
30°	3056.6	3050.3	3056.6	3050.3	3044.0	3037.6	3021.9	3015.5	3028.1	3021.9	2980.8
32.5°	2961.8	2955.5	2961.8	2961.8	2955.5	2955.5	2930.1	2920.7	2923.9	2942.8	2904.9
35°	2863.8	2854.3	2863.8	2860.7	2863.8	2854.3	2838.5	2835.3	2822.7	2844.8	2816.4
37.5°	2750.0	2740.5	2750.0	2750.0	2750.0	2756.3	2743.7	2734.2	2715.2	2743.7	2721.6
40°	2633.0	2620.4	2633.0	2629.9	2633.0	2639.4	2633.0	2626.7	2607.7	2629.9	2610.9
42.5°	2500.3	2497.1	2500.3	2503.4	2503.4	2516.1	2525.5	2512.9	2506.6	2490.8	2503.4
45°	2358.1	2351.7	2358.1	2364.3	2367.5	2373.9	2402.3	2402.3	2392.8	2367.5	2386.5
47.5°	2206.3	2190.5	2206.3	2225.3	2225.3	2234.8	2263.2	2285.3	2269.5	2238.0	2247.4
50°	2045.1	2048.3	2045.1	2057.8	2057.8	2092.5	2114.7	2136.8	2152.6	2114.7	2070.4
52.5°	1887.1	1883.9	1887.1	1896.6	1909.2	1925.0	1962.9	1985.0	2010.3	1988.2	1918.7
55°	1729.0	1735.4	1729.0	1732.2	1738.5	1748.0	1804.9	1827.0	1874.4	1846.0	1773.3
57.5°	1571.0	1561.5	1571.0	1577.3	1580.4	1589.9	1637.4	1678.5	1706.9	1710.1	1621.5
60°	1387.6	1375.0	1387.6	1416.1	1422.4	1428.7	1473.0	1510.9	1536.2	1545.7	1454.1
62.5°	1226.4	1204.3	1226.4	1245.4	1258.0	1273.9	1305.5	1362.3	1384.5	1387.6	1258.0
65°	1055.7	1046.3	1055.7	1093.7	1096.8	1115.8	1150.6	1191.7	1239.0	1232.8	1046.3
67.5°	900.8	900.8	900.8	926.2	945.1	954.6	998.8	1017.8	1077.8	1084.2	872.4
70°	758.6	755.4	758.6	777.6	790.3	812.4	853.5	875.5	923.0	938.8	708.1
72.5°	622.7	619.5	622.7	638.5	651.2	670.1	704.9	730.2	771.3	790.3	550.0
75°	502.6	496.2	502.6	515.2	512.1	537.3	565.8	591.1	629.0	641.7	407.8
77.5°	385.6	385.6	385.6	398.3	398.3	423.6	436.2	467.8	490.0	508.9	300.3
80°	287.7	284.5	287.7	290.8	290.8	303.5	325.6	347.7	366.7	366.7	205.5
82.5°	202.3	196.0	202.3	202.3	202.3	208.7	221.3	227.6	240.2	249.8	129.6
85°	126.5	126.5	126.5	129.6	126.5	132.7	135.9	142.2	142.2	135.9	79.0
87.5°	82.2	79.0	82.2	79.0	79.0	75.8	75.8	75.8	72.7	69.6	44.3
90°	22.0	22.0	22.0	22.0	22.0	29.3	39.1	44.0	37.8	25.5	16.3
92.5°	88.2	70.6	88.2	105.6	110.0	156.0	217.2	247.9	217.6	157.2	111.8
95°	307.3	254.2	307.3	360.2	373.5	490.4	646.4	724.4	611.8	386.6	217.7
97.5°	736.1	635.2	736.1	837.1	862.3	936.1	1034.7	1084.0	896.3	520.8	239.2
100°	1060.7	940.4	1060.7	1180.8	1210.8	1205.4	1198.2	1194.6	986.3	569.6	257.1
102.5°	1379.8	1276.9	1379.8	1482.7	1508.5	1414.3	1288.6	1225.9	1014.6	592.0	275.1
105°	1786.6	1731.4	1786.6	1842.0	1855.9	1644.7	1363.2	1222.4	1017.8	608.6	301.7
107.5°	2053.3	2066.7	2053.3	2039.9	2036.6	1742.0	1349.3	1152.9	972.5	611.7	341.1
110°	2155.0	2212.6	2155.0	2097.3	2082.9	1753.6	1314.5	1095.0	932.3	607.0	363.0



TEST NUMBER: P935008

CATALOG NUMBER: SQ4-FA-075U-125D-B50-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2164.0	2252.5	2164.0	2075.5	2053.4	1716.4	1267.1	1042.3	897.3	607.2	389.7
115°	2106.6	2229.4	2106.6	1983.9	1953.2	1628.5	1195.6	979.2	857.0	612.8	429.6
117.5°	1984.9	2121.1	1984.9	1848.8	1814.8	1521.8	1131.1	935.8	831.9	624.3	468.5
120°	1887.0	2019.2	1887.0	1754.6	1721.5	1453.9	1096.9	918.4	823.4	633.4	491.0
122.5°	1791.4	1921.9	1791.4	1660.9	1628.3	1387.3	1065.8	905.0	818.9	646.8	517.7
125°	1655.2	1775.4	1655.2	1535.0	1505.0	1300.1	1027.1	890.6	815.3	664.7	551.8
127.5°	1532.7	1634.1	1532.7	1431.3	1406.0	1230.1	995.6	878.4	813.2	682.8	584.9
130°	1460.5	1554.2	1460.5	1366.9	1343.5	1186.9	978.2	873.9	814.5	695.8	606.8
132.5°	1395.0	1478.9	1395.0	1311.1	1290.1	1150.0	963.1	869.7	815.3	706.5	624.8
135°	1305.3	1377.6	1305.3	1233.0	1214.9	1097.5	941.1	862.8	814.5	718.1	645.7
137.5°	1233.3	1292.5	1233.3	1174.0	1159.3	1060.1	927.7	861.6	819.6	735.4	672.3
140°	1183.9	1239.2	1183.9	1128.6	1114.7	1029.0	914.8	857.6	820.4	746.0	690.2
142.5°	1142.9	1190.6	1142.9	1095.3	1083.4	1008.2	907.8	857.6	823.4	755.0	703.6
145°	1081.6	1117.6	1081.6	1045.5	1036.6	975.0	892.9	851.8	823.4	766.5	723.8
147.5°	1034.4	1064.3	1034.4	1004.6	997.1	948.7	884.1	851.8	829.0	783.5	749.3
150°	1004.8	1029.0	1004.8	980.6	974.5	933.6	879.1	851.8	832.0	792.3	762.6
152.5°	979.4	997.7	979.4	961.2	956.6	921.7	875.1	851.8	833.9	798.1	771.3
155°	950.3	962.4	950.3	938.2	935.2	907.4	870.3	851.8	838.2	810.9	790.4
157.5°	927.3	935.8	927.3	918.8	916.6	895.1	866.2	851.8	842.4	823.6	809.5
160°	913.5	918.4	913.5	908.6	907.4	888.9	864.1	851.8	844.3	829.4	818.2
162.5°	904.5	909.2	904.5	899.8	898.7	883.1	862.3	851.8	846.4	835.6	827.5
165°	891.5	896.4	891.5	886.6	885.4	874.2	859.3	851.8	849.4	844.4	840.8
167.5°	882.2	884.2	882.2	880.1	879.6	872.3	862.5	857.6	855.5	851.4	848.4
170°	879.6	879.6	879.6	879.6	879.6	872.3	862.5	857.6	857.5	857.2	857.0
172.5°	872.7	871.0	872.7	874.5	875.0	869.2	861.4	857.6	857.6	857.6	857.6
175°	868.6	868.6	868.6	868.6	868.6	865.0	860.0	857.6	858.7	861.1	862.8
177.5°	864.9	862.8	864.9	866.9	867.4	864.5	860.7	858.7	859.7	861.4	862.8
180°	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8



TEST NUMBER: P935008

CATALOG NUMBER: SQ4-FA-075U-125D-B50-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1
2.5°	3388.5	3369.5	3369.5	3337.9	3325.3	3315.8	3300.0	3252.6	3240.0	3227.3	3246.3
5°	3416.9	3382.2	3356.9	3300.0	3252.6	3233.6	3173.5	3059.8	2983.9	2927.0	2895.4
7.5°	3423.3	3379.0	3331.6	3243.1	3129.3	3078.7	2895.4	2686.7	2629.9	2579.3	2547.7
10°	3416.9	3366.4	3300.0	3167.2	2898.6	2810.0	2626.7	2490.8	2456.0	2446.5	2456.0
12.5°	3394.8	3347.4	3255.7	3034.5	2658.4	2598.3	2490.8	2411.8	2405.4	2421.3	2506.6
15°	3356.9	3312.6	3205.2	2857.5	2525.5	2481.4	2405.4	2377.0	2411.8	2522.5	2778.5
17.5°	3319.0	3268.3	3135.6	2683.7	2424.4	2392.8	2339.1	2396.0	2591.9	2740.5	2825.8
20°	3268.3	3208.3	3056.6	2557.2	2351.7	2323.2	2298.0	2554.0	2702.6	2756.3	2803.8
22.5°	3208.3	3145.2	2949.1	2468.7	2275.9	2253.7	2269.5	2642.6	2702.6	2740.5	2781.6
25°	3129.3	3075.6	2822.7	2399.2	2215.8	2190.5	2250.6	2633.0	2667.8	2677.3	2759.5
27.5°	3056.6	2987.0	2689.9	2335.9	2143.1	2133.6	2266.4	2591.9	2617.3	2626.7	2715.2
30°	2968.1	2863.8	2541.4	2269.5	2067.2	2064.0	2269.5	2541.4	2535.1	2560.4	2648.8
32.5°	2876.4	2680.5	2373.9	2187.3	1994.6	1991.4	2247.4	2465.5	2459.2	2494.0	2560.4
35°	2791.1	2538.2	2146.2	2092.5	1902.8	1906.0	2193.7	2377.0	2380.2	2411.8	2452.9
37.5°	2702.6	2415.0	1896.6	1988.2	1814.4	1814.4	2120.9	2294.8	2288.5	2298.0	2354.9
40°	2598.3	2222.1	1675.3	1852.3	1732.2	1722.7	2032.5	2206.3	2184.2	2181.1	2260.1
42.5°	2487.6	2010.3	1510.9	1672.1	1637.4	1624.7	1925.0	2098.9	2057.8	2067.2	2168.4
45°	2367.5	1953.5	1384.5	1413.0	1539.3	1529.9	1808.0	1975.6	1947.1	1972.4	2076.7
47.5°	2247.4	1839.6	1343.4	1172.7	1435.1	1431.9	1678.5	1855.5	1839.6	1864.9	1975.6
50°	2083.0	1713.2	1340.2	1005.2	1318.1	1330.8	1523.5	1738.5	1738.5	1760.6	1877.6
52.5°	1871.3	1558.3	1216.9	910.4	1182.2	1220.1	1387.6	1637.4	1643.7	1665.8	1770.1
55°	1678.5	1397.2	1128.5	837.6	1021.0	1103.1	1254.9	1533.1	1545.7	1567.8	1662.6
57.5°	1501.4	1163.2	1109.5	752.3	872.4	951.5	1137.9	1431.9	1438.2	1457.2	1548.9
60°	1311.8	840.8	1017.8	660.6	742.8	802.9	1030.5	1311.8	1333.9	1346.5	1425.6
62.5°	1096.8	610.1	923.0	597.4	679.6	692.3	941.9	1197.9	1226.4	1236.0	1283.3
65°	780.7	512.1	783.9	543.7	613.2	616.3	847.1	1081.0	1106.3	1122.1	1156.9
67.5°	527.9	417.2	597.4	493.1	562.6	565.8	755.4	945.1	979.9	992.6	1014.7
70°	366.7	278.1	442.5	439.4	505.8	512.1	657.4	821.8	853.5	862.9	875.5
72.5°	268.7	224.4	366.7	395.1	445.7	452.1	556.3	682.8	714.3	723.8	730.2
75°	205.5	237.0	297.1	344.6	379.3	382.5	455.1	556.3	578.4	584.8	588.0
77.5°	164.4	221.3	218.1	278.1	309.8	303.5	357.2	429.9	448.9	448.9	448.9
80°	123.3	173.8	164.4	199.1	227.6	221.3	256.0	306.6	312.9	319.2	316.1
82.5°	91.6	110.6	110.6	126.5	151.7	145.4	170.7	199.1	199.1	199.1	205.5
85°	56.9	63.2	50.5	66.4	85.4	82.2	94.8	107.5	110.6	110.6	104.3
87.5°	34.7	28.5	15.8	25.3	37.9	37.9	44.3	47.4	44.3	44.3	44.3
90°	15.1	10.5	5.8	10.5	15.1	16.3	25.5	37.8	44.0	39.1	29.3
92.5°	102.0	62.6	23.2	62.6	102.0	111.8	157.2	217.6	247.9	217.2	156.0
95°	199.7	127.7	55.6	127.7	199.7	217.7	386.6	611.8	724.4	646.4	490.4
97.5°	223.3	159.7	96.1	159.7	223.3	239.2	520.8	896.3	1084.0	1034.7	936.1
100°	242.7	185.0	127.4	185.0	242.7	257.1	569.6	986.3	1194.6	1198.2	1205.4
102.5°	261.6	207.8	154.0	207.8	261.6	275.1	592.0	1014.6	1225.9	1288.6	1414.3
105°	290.3	244.8	199.2	244.8	290.3	301.7	608.6	1017.8	1222.4	1363.2	1644.7
107.5°	330.4	288.0	245.5	288.0	330.4	341.1	611.7	972.5	1152.9	1349.3	1742.0
110°	353.4	315.1	276.8	315.1	353.4	363.0	607.0	932.3	1095.0	1314.5	1753.6



TEST NUMBER: P935008

CATALOG NUMBER: SQ4-FA-075U-125D-B50-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	380.5	344.0	307.5	344.0	380.5	389.7	607.2	897.3	1042.3	1267.1	1716.4
115°	421.2	387.5	353.8	387.5	421.2	429.6	612.8	857.0	979.2	1195.6	1628.5
117.5°	460.8	430.2	399.6	430.2	460.8	468.5	624.3	831.9	935.8	1131.1	1521.8
120°	483.8	455.0	426.2	455.0	483.8	491.0	633.4	823.4	918.4	1096.9	1453.9
122.5°	510.4	481.4	452.2	481.4	510.4	517.7	646.8	818.9	905.0	1065.8	1387.3
125°	545.2	518.7	492.2	518.7	545.2	551.8	664.7	815.3	890.6	1027.1	1300.1
127.5°	578.1	551.4	524.6	551.4	578.1	584.9	682.8	813.2	878.4	995.6	1230.1
130°	599.6	570.8	542.0	570.8	599.6	606.8	695.8	814.5	873.9	978.2	1186.9
132.5°	617.7	588.8	559.9	588.8	617.7	624.8	706.5	815.3	869.7	963.1	1150.0
135°	639.1	612.8	586.6	612.8	639.1	645.7	718.1	814.5	862.8	941.1	1097.5
137.5°	665.8	639.8	613.8	639.8	665.8	672.3	735.4	819.6	861.6	927.7	1060.1
140°	684.2	660.3	636.4	660.3	684.2	690.2	746.0	820.4	857.6	914.8	1029.0
142.5°	698.1	675.9	653.8	675.9	698.1	703.6	755.0	823.4	857.6	907.8	1008.2
145°	719.0	699.8	680.4	699.8	719.0	723.8	766.5	823.4	851.8	892.9	975.0
147.5°	744.7	725.8	707.0	725.8	744.7	749.3	783.5	829.0	851.8	884.1	948.7
150°	758.4	741.4	724.4	741.4	758.4	762.6	792.3	832.0	851.8	879.1	933.6
152.5°	768.1	755.2	742.3	755.2	768.1	771.3	798.1	833.9	851.8	875.1	921.7
155°	788.0	778.5	769.0	778.5	788.0	790.4	810.9	838.2	851.8	870.3	907.4
157.5°	807.2	797.9	788.7	797.9	807.2	809.5	823.6	842.4	851.8	866.2	895.1
160°	816.4	809.2	802.0	809.2	816.4	818.2	829.4	844.3	851.8	864.1	888.9
162.5°	826.1	820.7	815.3	820.7	826.1	827.5	835.6	846.4	851.8	862.3	883.1
165°	839.6	834.6	829.8	834.6	839.6	840.8	844.4	849.4	851.8	859.3	874.2
167.5°	847.8	845.5	843.1	845.5	847.8	848.4	851.4	855.5	857.6	862.5	872.3
170°	856.5	854.1	851.8	854.1	856.5	857.0	857.2	857.5	857.6	862.5	872.3
172.5°	857.5	856.9	856.5	856.9	857.5	857.6	857.6	857.6	857.6	861.4	869.2
175°	862.8	862.8	862.8	862.8	862.8	862.8	861.1	858.7	857.6	860.0	865.0
177.5°	862.8	862.8	862.8	862.8	862.8	862.8	861.4	859.7	858.7	860.7	864.5
180°	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8



TEST NUMBER: P935008
 CATALOG NUMBER: SQ4-FA-075U-125D-B50-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1	3341.1
2.5°	3224.2	3214.6	3227.3	3192.5	3227.3	3214.6	3224.2	3246.3	3227.3	3240.0	3252.6
5°	2829.0	2813.2	2762.7	2721.6	2762.7	2813.2	2829.0	2895.4	2927.0	2983.9	3059.8
7.5°	2528.7	2516.1	2503.4	2478.2	2503.4	2516.1	2528.7	2547.7	2579.3	2629.9	2686.7
10°	2462.4	2465.5	2484.4	2481.4	2484.4	2465.5	2462.4	2456.0	2446.5	2456.0	2490.8
12.5°	2633.0	2661.5	2765.8	2759.5	2765.8	2661.5	2633.0	2506.6	2421.3	2405.4	2411.8
15°	2829.0	2838.5	2860.7	2863.8	2860.7	2838.5	2829.0	2778.5	2522.5	2411.8	2377.0
17.5°	2848.0	2851.1	2866.9	2866.9	2866.9	2851.1	2848.0	2825.8	2740.5	2591.9	2396.0
20°	2832.2	2838.5	2870.1	2876.4	2870.1	2838.5	2832.2	2803.8	2756.3	2702.6	2554.0
22.5°	2825.8	2838.5	2863.8	2860.7	2863.8	2838.5	2825.8	2781.6	2740.5	2702.6	2642.6
25°	2794.2	2794.2	2797.4	2800.6	2797.4	2794.2	2794.2	2759.5	2677.3	2667.8	2633.0
27.5°	2727.8	2734.2	2753.2	2750.0	2753.2	2734.2	2727.8	2715.2	2626.7	2617.3	2591.9
30°	2667.8	2661.5	2645.6	2633.0	2645.6	2661.5	2667.8	2648.8	2560.4	2535.1	2541.4
32.5°	2566.6	2550.8	2535.1	2525.5	2535.1	2550.8	2566.6	2560.4	2494.0	2459.2	2465.5
35°	2446.5	2449.7	2446.5	2437.1	2446.5	2449.7	2446.5	2452.9	2411.8	2380.2	2377.0
37.5°	2361.2	2367.5	2364.3	2351.7	2364.3	2367.5	2361.2	2354.9	2298.0	2288.5	2294.8
40°	2272.7	2275.9	2272.7	2263.2	2272.7	2275.9	2272.7	2260.1	2181.1	2184.2	2206.3
42.5°	2187.3	2184.2	2174.7	2168.4	2174.7	2184.2	2187.3	2168.4	2067.2	2057.8	2098.9
45°	2089.4	2092.5	2073.6	2064.0	2073.6	2092.5	2089.4	2076.7	1972.4	1947.1	1975.6
47.5°	1991.4	1991.4	1975.6	1966.1	1975.6	1991.4	1991.4	1975.6	1864.9	1839.6	1855.5
50°	1887.1	1883.9	1861.7	1858.7	1861.7	1883.9	1887.1	1877.6	1760.6	1738.5	1738.5
52.5°	1766.9	1766.9	1770.1	1776.5	1770.1	1766.9	1766.9	1770.1	1665.8	1643.7	1637.4
55°	1662.6	1665.8	1687.9	1694.3	1687.9	1665.8	1662.6	1662.6	1567.8	1545.7	1533.1
57.5°	1555.2	1555.2	1571.0	1571.0	1571.0	1555.2	1555.2	1548.9	1457.2	1438.2	1431.9
60°	1431.9	1438.2	1450.9	1447.7	1450.9	1438.2	1431.9	1425.6	1346.5	1333.9	1311.8
62.5°	1302.3	1308.6	1311.8	1305.5	1311.8	1308.6	1302.3	1283.3	1236.0	1226.4	1197.9
65°	1166.4	1172.7	1175.9	1169.6	1175.9	1172.7	1166.4	1156.9	1122.1	1106.3	1081.0
67.5°	1027.3	1024.1	1021.0	1033.7	1021.0	1024.1	1027.3	1014.7	992.6	979.9	945.1
70°	885.1	885.1	881.9	888.2	881.9	885.1	885.1	875.5	862.9	853.5	821.8
72.5°	733.4	730.2	742.8	733.4	742.8	730.2	733.4	730.2	723.8	714.3	682.8
75°	584.8	591.1	584.8	594.2	584.8	591.1	584.8	588.0	584.8	578.4	556.3
77.5°	445.7	452.1	445.7	445.7	445.7	452.1	445.7	448.9	448.9	448.9	429.9
80°	316.1	312.9	312.9	309.8	312.9	312.9	316.1	316.1	319.2	312.9	306.6
82.5°	202.3	199.1	199.1	205.5	199.1	199.1	202.3	205.5	199.1	199.1	199.1
85°	110.6	113.8	107.5	107.5	107.5	113.8	110.6	104.3	110.6	110.6	107.5
87.5°	41.1	37.9	37.9	37.9	37.9	37.9	41.1	44.3	44.3	44.3	47.4
90°	22.0	22.0	22.0	22.0	22.0	22.0	22.0	29.3	39.1	44.0	37.8
92.5°	110.0	105.6	88.2	70.6	88.2	105.6	110.0	156.0	217.2	247.9	217.6
95°	373.5	360.2	307.3	254.2	307.3	360.2	373.5	490.4	646.4	724.4	611.8
97.5°	862.3	837.1	736.1	635.2	736.1	837.1	862.3	936.1	1034.7	1084.0	896.3
100°	1210.8	1180.8	1060.7	940.4	1060.7	1180.8	1210.8	1205.4	1198.2	1194.6	986.3
102.5°	1508.5	1482.7	1379.8	1276.9	1379.8	1482.7	1508.5	1414.3	1288.6	1225.9	1014.6
105°	1855.9	1842.0	1786.6	1731.4	1786.6	1842.0	1855.9	1644.7	1363.2	1222.4	1017.8
107.5°	2036.6	2039.9	2053.3	2066.7	2053.3	2039.9	2036.6	1742.0	1349.3	1152.9	972.5
110°	2082.9	2097.3	2155.0	2212.6	2155.0	2097.3	2082.9	1753.6	1314.5	1095.0	932.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2053.4	2075.5	2164.0	2252.5	2164.0	2075.5	2053.4	1716.4	1267.1	1042.3	897.3
115°	1953.2	1983.9	2106.6	2229.4	2106.6	1983.9	1953.2	1628.5	1195.6	979.2	857.0
117.5°	1814.8	1848.8	1984.9	2121.1	1984.9	1848.8	1814.8	1521.8	1131.1	935.8	831.9
120°	1721.5	1754.6	1887.0	2019.2	1887.0	1754.6	1721.5	1453.9	1096.9	918.4	823.4
122.5°	1628.3	1660.9	1791.4	1921.9	1791.4	1660.9	1628.3	1387.3	1065.8	905.0	818.9
125°	1505.0	1535.0	1655.2	1775.4	1655.2	1535.0	1505.0	1300.1	1027.1	890.6	815.3
127.5°	1406.0	1431.3	1532.7	1634.1	1532.7	1431.3	1406.0	1230.1	995.6	878.4	813.2
130°	1343.5	1366.9	1460.5	1554.2	1460.5	1366.9	1343.5	1186.9	978.2	873.9	814.5
132.5°	1290.1	1311.1	1395.0	1478.9	1395.0	1311.1	1290.1	1150.0	963.1	869.7	815.3
135°	1214.9	1233.0	1305.3	1377.6	1305.3	1233.0	1214.9	1097.5	941.1	862.8	814.5
137.5°	1159.3	1174.0	1233.3	1292.5	1233.3	1174.0	1159.3	1060.1	927.7	861.6	819.6
140°	1114.7	1128.6	1183.9	1239.2	1183.9	1128.6	1114.7	1029.0	914.8	857.6	820.4
142.5°	1083.4	1095.3	1142.9	1190.6	1142.9	1095.3	1083.4	1008.2	907.8	857.6	823.4
145°	1036.6	1045.5	1081.6	1117.6	1081.6	1045.5	1036.6	975.0	892.9	851.8	823.4
147.5°	997.1	1004.6	1034.4	1064.3	1034.4	1004.6	997.1	948.7	884.1	851.8	829.0
150°	974.5	980.6	1004.8	1029.0	1004.8	980.6	974.5	933.6	879.1	851.8	832.0
152.5°	956.6	961.2	979.4	997.7	979.4	961.2	956.6	921.7	875.1	851.8	833.9
155°	935.2	938.2	950.3	962.4	950.3	938.2	935.2	907.4	870.3	851.8	838.2
157.5°	916.6	918.8	927.3	935.8	927.3	918.8	916.6	895.1	866.2	851.8	842.4
160°	907.4	908.6	913.5	918.4	913.5	908.6	907.4	888.9	864.1	851.8	844.3
162.5°	898.7	899.8	904.5	909.2	904.5	899.8	898.7	883.1	862.3	851.8	846.4
165°	885.4	886.6	891.5	896.4	891.5	886.6	885.4	874.2	859.3	851.8	849.4
167.5°	879.6	880.1	882.2	884.2	882.2	880.1	879.6	872.3	862.5	857.6	855.5
170°	879.6	879.6	879.6	879.6	879.6	879.6	879.6	872.3	862.5	857.6	857.5
172.5°	875.0	874.5	872.7	871.0	872.7	874.5	875.0	869.2	861.4	857.6	857.6
175°	868.6	868.6	868.6	868.6	868.6	868.6	868.6	865.0	860.0	857.6	858.7
177.5°	867.4	866.9	864.9	862.8	864.9	866.9	867.4	864.5	860.7	858.7	859.7
180°	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8	862.8



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3341.1	3341.1	3341.1	3341.1	3341.1
2.5°	3300.0	3315.8	3325.3	3337.9	3369.5
5°	3173.5	3233.6	3252.6	3300.0	3356.9
7.5°	2895.4	3078.7	3129.3	3243.1	3331.6
10°	2626.7	2810.0	2898.6	3167.2	3300.0
12.5°	2490.8	2598.3	2658.4	3034.5	3255.7
15°	2405.4	2481.4	2525.5	2857.5	3205.2
17.5°	2339.1	2392.8	2424.4	2683.7	3135.6
20°	2298.0	2323.2	2351.7	2557.2	3056.6
22.5°	2269.5	2253.7	2275.9	2468.7	2949.1
25°	2250.6	2190.5	2215.8	2399.2	2822.7
27.5°	2266.4	2133.6	2143.1	2335.9	2689.9
30°	2269.5	2064.0	2067.2	2269.5	2541.4
32.5°	2247.4	1991.4	1994.6	2187.3	2373.9
35°	2193.7	1906.0	1902.8	2092.5	2146.2
37.5°	2120.9	1814.4	1814.4	1988.2	1896.6
40°	2032.5	1722.7	1732.2	1852.3	1675.3
42.5°	1925.0	1624.7	1637.4	1672.1	1510.9
45°	1808.0	1529.9	1539.3	1413.0	1384.5
47.5°	1678.5	1431.9	1435.1	1172.7	1343.4
50°	1523.5	1330.8	1318.1	1005.2	1340.2
52.5°	1387.6	1220.1	1182.2	910.4	1216.9
55°	1254.9	1103.1	1021.0	837.6	1128.5
57.5°	1137.9	951.5	872.4	752.3	1109.5
60°	1030.5	802.9	742.8	660.6	1017.8
62.5°	941.9	692.3	679.6	597.4	923.0
65°	847.1	616.3	613.2	543.7	783.9
67.5°	755.4	565.8	562.6	493.1	597.4
70°	657.4	512.1	505.8	439.4	442.5
72.5°	556.3	452.1	445.7	395.1	366.7
75°	455.1	382.5	379.3	344.6	297.1
77.5°	357.2	303.5	309.8	278.1	218.1
80°	256.0	221.3	227.6	199.1	164.4
82.5°	170.7	145.4	151.7	126.5	110.6
85°	94.8	82.2	85.4	66.4	50.5
87.5°	44.3	37.9	37.9	25.3	15.8
90°	25.5	16.3	15.1	10.5	5.8
92.5°	157.2	111.8	102.0	62.6	23.2
95°	386.6	217.7	199.7	127.7	55.6
97.5°	520.8	239.2	223.3	159.7	96.1
100°	569.6	257.1	242.7	185.0	127.4
102.5°	592.0	275.1	261.6	207.8	154.0
105°	608.6	301.7	290.3	244.8	199.2
107.5°	611.7	341.1	330.4	288.0	245.5
110°	607.0	363.0	353.4	315.1	276.8



TEST NUMBER: P935008

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	607.2	389.7	380.5	344.0	307.5
115°	612.8	429.6	421.2	387.5	353.8
117.5°	624.3	468.5	460.8	430.2	399.6
120°	633.4	491.0	483.8	455.0	426.2
122.5°	646.8	517.7	510.4	481.4	452.2
125°	664.7	551.8	545.2	518.7	492.2
127.5°	682.8	584.9	578.1	551.4	524.6
130°	695.8	606.8	599.6	570.8	542.0
132.5°	706.5	624.8	617.7	588.8	559.9
135°	718.1	645.7	639.1	612.8	586.6
137.5°	735.4	672.3	665.8	639.8	613.8
140°	746.0	690.2	684.2	660.3	636.4
142.5°	755.0	703.6	698.1	675.9	653.8
145°	766.5	723.8	719.0	699.8	680.4
147.5°	783.5	749.3	744.7	725.8	707.0
150°	792.3	762.6	758.4	741.4	724.4
152.5°	798.1	771.3	768.1	755.2	742.3
155°	810.9	790.4	788.0	778.5	769.0
157.5°	823.6	809.5	807.2	797.9	788.7
160°	829.4	818.2	816.4	809.2	802.0
162.5°	835.6	827.5	826.1	820.7	815.3
165°	844.4	840.8	839.6	834.6	829.8
167.5°	851.4	848.4	847.8	845.5	843.1
170°	857.2	857.0	856.5	854.1	851.8
172.5°	857.6	857.6	857.5	856.9	856.5
175°	861.1	862.8	862.8	862.8	862.8
177.5°	861.4	862.8	862.8	862.8	862.8
180°	862.8	862.8	862.8	862.8	862.8



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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	15.27	16.24	16.13	17.12	18.23	18.11	19.07	18.97	19.95	21.06
	3H	15.75	16.62	16.63	17.51	18.65	19.46	20.33	20.33	21.22	22.36
	4H	15.95	16.77	16.84	17.67	18.81	19.91	20.73	20.80	21.63	22.77
	6H	16.07	16.83	16.97	17.73	18.89	20.21	20.96	21.11	21.86	23.02
	8H	16.08	16.80	16.99	17.72	18.88	20.28	21.00	21.19	21.92	23.08
	12H	16.05	16.74	16.97	17.65	18.84	20.33	21.01	21.24	21.93	23.11
4H	2H	16.32	17.14	17.21	18.03	19.18	18.53	19.35	19.42	20.24	21.39
	3H	17.35	18.04	18.26	18.96	20.12	20.05	20.73	20.95	21.66	22.82
	4H	17.63	18.26	18.55	19.18	20.37	20.58	21.20	21.50	22.13	23.31
	6H	17.77	18.30	18.69	19.25	20.44	20.95	21.49	21.88	22.44	23.63
	8H	17.77	18.27	18.70	19.22	20.42	21.06	21.57	22.00	22.51	23.71
	12H	17.75	18.20	18.70	19.16	20.36	21.13	21.58	22.08	22.54	23.75
8H	4H	18.10	18.60	19.03	19.54	20.74	20.71	21.22	21.65	22.16	23.36
	6H	18.36	18.78	19.32	19.76	20.96	21.16	21.57	22.11	22.55	23.75
	8H	18.41	18.77	19.37	19.75	20.96	21.31	21.68	22.28	22.65	23.87
	12H	18.40	18.72	19.37	19.69	20.95	21.42	21.74	22.39	22.71	23.97
12H	4H	18.11	18.56	19.06	19.52	20.73	20.68	21.14	21.63	22.09	23.30
	6H	18.43	18.79	19.39	19.77	20.98	21.15	21.52	22.12	22.50	23.71
	8H	18.50	18.82	19.47	19.79	21.05	21.32	21.65	22.29	22.61	23.88