

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: P935312

Luminaire Tested: SQ4-FA-100U-125D-830-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935312
REPORT IS A COMBINATION OF REPORTS P933752 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-125D-830-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

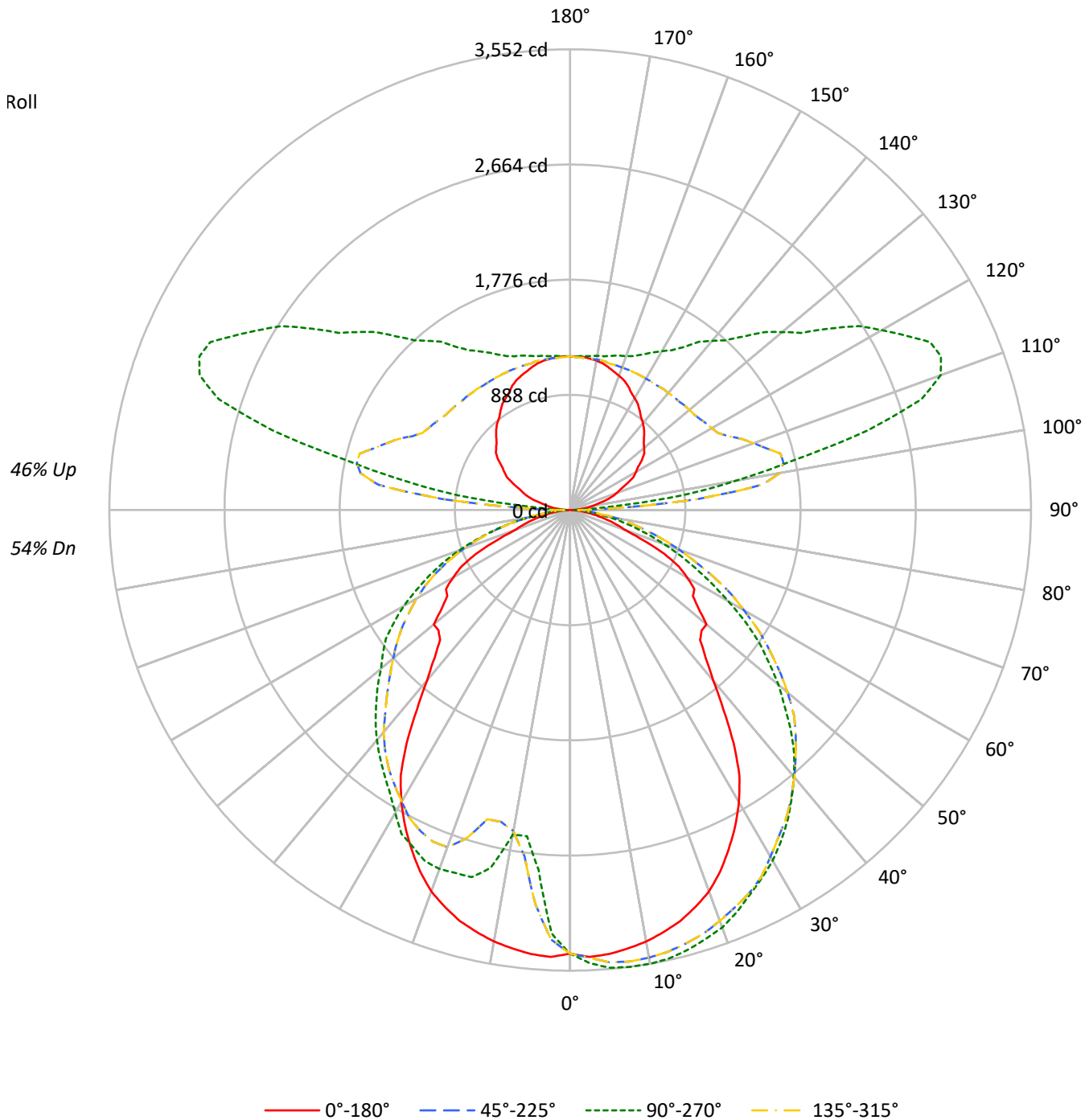
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16553.2 lumens
Efficiency: N/A
Efficacy: 120.3 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: General Diffuse

Input Watts (W): 137.6
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				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	85	85	85	72	72	72	59	59	59	54				54
1	99	94	90	87	91	88	84	81	75	73	70	63	62	60	53	51	50	45				45
2	90	82	76	71	83	77	71	67	66	62	58	56	53	50	46	44	42	38				38
3	82	72	65	59	76	67	61	56	58	53	49	49	46	42	41	38	36	32				32
4	75	64	56	50	69	60	53	47	51	46	42	44	40	36	37	34	31	28				28
5	69	57	49	43	64	53	46	41	46	40	36	39	35	31	33	30	27	24				24
6	63	51	43	37	59	48	41	35	41	36	31	35	31	28	30	26	24	21				21
7	59	46	38	33	54	43	36	31	38	32	28	32	28	24	27	24	21	19				19
8	54	42	34	29	50	39	32	27	34	29	24	29	25	22	25	22	19	17				17
9	51	38	31	26	47	36	29	24	31	26	22	27	23	19	23	20	17	15				15
10	47	35	28	23	44	33	26	22	29	23	20	25	21	18	21	18	15	13				13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15867	15867	15867	15867
5°	15985	16016	15985	12594
10°	15878	15777	15878	11280
15°	15706	15435	15706	12889
20°	15377	15030	15377	12916
25°	14705	14440	14705	12642
30°	13836	13949	13836	12041
35°	12335	13329	12335	11381
40°	10278	12599	10278	10882
45°	9183	11744	9183	10308
50°	9756	10725	9756	9732
55°	9179	9627	9179	9399
60°	9462	8176	9462	8608
65°	8579	6759	8579	7555
70°	5941	5386	5941	6333
75°	5208	3981	5208	4767
80°	4199	2632	4199	2867
85°	2408	1394	2408	1185

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14075 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.7	1.9
10°-20°	876.5	5.3
20°-30°	1354.9	8.2
30°-40°	1617.4	9.8
40°-50°	1626.9	9.8
50°-60°	1415.6	8.6
60°-70°	1003.7	6.1
70°-80°	531.0	3.2
80°-90°	136.8	0.8
90°-100°	577.6	3.5
100°-110°	1518.6	9.2
110°-120°	1574.6	9.5
120°-130°	1263.0	7.6
130°-140°	991.0	6.0
140°-150°	760.7	4.6
150°-160°	547.8	3.3
160°-170°	335.2	2.0
170°-180°	113.2	0.7
0°-30°	2540.0	15.3
0°-40°	4157.5	25.1
0°-60°	7200.0	43.5
0°-90°	8871.4	53.6
90°-120°	3670.8	22.2
90°-150°	6685.5	40.4
90°-180°	7682.0	46.4
0°-180°	16553.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3420	3420	3420	3420	3420	
5°	3436	3543	3436	2786	3436	326
15°	3281	3510	3281	2931	3281	923
25°	2889	3274	2889	2867	2889	1327
35°	2197	2922	2197	2494	2197	1359
45°	1417	2407	1417	2113	1417	1135
55°	1155	1776	1155	1734	1155	1061
65°	802	1071	802	1197	802	767
75°	304	508	304	608	304	320
85°	52	129	52	110	52	70
90°	8	30	8	30	8	9
95°	76	349	76	349	76	85
105°	274	2378	274	2378	274	290
115°	486	3062	486	3062	486	480
125°	676	2438	676	2438	676	600
135°	806	1892	806	1892	806	623
145°	934	1535	934	1535	934	585
155°	1056	1322	1056	1322	1056	485
165°	1140	1231	1140	1231	1140	322
175°	1185	1193	1185	1193	1185	112
180°	1185	1185	1185	1185	1185	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8
2.5°	3448.9	3448.9	3468.3	3474.8	3474.8	3465.1	3455.4	3465.1	3494.2	3503.9	3500.7
5°	3436.0	3461.9	3497.4	3503.9	3510.3	3507.2	3500.7	3507.2	3539.5	3546.0	3549.2
7.5°	3410.1	3458.6	3503.9	3513.6	3523.3	3513.6	3510.3	3516.8	3549.2	3555.7	3555.7
10°	3377.7	3445.7	3497.4	3503.9	3513.6	3503.9	3503.9	3516.8	3549.2	3555.7	3558.9
12.5°	3332.4	3426.2	3474.8	3481.3	3494.2	3490.9	3487.8	3500.7	3533.0	3539.5	3539.5
15°	3280.7	3390.6	3436.0	3442.5	3465.1	3458.6	3458.6	3471.5	3507.2	3516.8	3513.6
17.5°	3209.5	3345.3	3397.1	3406.8	3423.1	3419.8	3423.1	3436.0	3468.3	3474.8	3478.0
20°	3128.6	3283.9	3345.3	3355.1	3371.2	3371.2	3371.2	3387.4	3419.8	3432.7	3432.7
22.5°	3018.6	3219.2	3283.9	3290.4	3309.8	3309.8	3316.3	3338.9	3368.0	3371.2	3371.2
25°	2889.2	3148.0	3203.0	3222.4	3241.8	3251.5	3261.3	3274.2	3283.9	3280.7	3283.9
27.5°	2753.3	3057.4	3128.6	3141.5	3167.4	3177.2	3190.1	3193.3	3196.6	3206.2	3199.7
30°	2601.3	2931.3	3038.0	3051.0	3093.0	3099.4	3086.5	3093.0	3109.2	3115.7	3122.1
32.5°	2429.8	2743.6	2944.2	2973.4	3012.2	2992.8	2989.5	2999.2	3025.1	3025.1	3031.6
35°	2196.8	2598.0	2856.8	2882.7	2911.8	2889.2	2902.1	2905.4	2921.5	2931.3	2928.0
37.5°	1941.3	2471.8	2766.3	2785.7	2808.3	2779.2	2798.6	2808.3	2821.3	2814.8	2814.8
40°	1714.8	2274.4	2659.5	2672.4	2691.8	2669.2	2688.6	2695.1	2701.6	2695.1	2691.8
42.5°	1546.5	2057.7	2546.2	2562.4	2549.5	2565.6	2572.1	2585.0	2575.4	2562.4	2562.4
45°	1417.1	1999.5	2423.3	2442.7	2423.3	2449.2	2458.9	2458.9	2429.8	2423.3	2420.0
47.5°	1375.0	1882.9	2300.3	2300.3	2290.7	2323.0	2339.1	2316.5	2287.4	2277.7	2277.7
50°	1371.8	1753.6	2132.1	2119.2	2164.5	2203.3	2187.1	2164.5	2141.8	2106.3	2106.3
52.5°	1245.6	1595.0	1915.3	1963.9	2035.0	2057.7	2031.8	2009.1	1970.3	1954.2	1941.3
55°	1155.0	1430.1	1718.0	1815.1	1889.4	1918.6	1870.0	1847.4	1789.2	1779.5	1773.0
57.5°	1135.6	1190.6	1536.8	1659.7	1750.3	1747.1	1718.0	1676.0	1627.4	1617.6	1614.5
60°	1041.8	860.6	1342.7	1488.3	1582.1	1572.4	1546.5	1507.7	1462.4	1455.9	1449.5
62.5°	944.7	624.5	1122.6	1287.6	1420.3	1417.1	1394.4	1336.2	1303.9	1287.6	1274.7
65°	802.4	524.2	799.1	1070.9	1261.8	1268.2	1219.8	1177.7	1142.0	1122.6	1119.5
67.5°	611.5	427.0	540.3	893.0	1109.7	1103.2	1041.8	1022.3	977.1	967.4	948.0
70°	453.0	284.7	375.3	724.7	960.9	944.7	896.2	873.6	831.5	808.9	795.9
72.5°	375.3	229.7	275.0	563.0	808.9	789.5	747.4	721.5	685.9	666.5	653.5
75°	304.1	242.6	210.3	417.4	656.8	643.9	605.1	579.1	550.0	524.2	527.3
77.5°	223.2	226.5	168.3	307.4	520.9	501.5	478.9	446.5	433.5	407.6	407.6
80°	168.3	177.9	126.2	210.3	375.3	375.3	355.9	333.3	310.6	297.7	297.7
82.5°	113.2	113.2	93.8	132.7	255.6	245.9	233.0	226.5	213.6	207.1	207.1
85°	51.7	64.7	58.2	80.9	139.1	145.6	145.6	139.1	135.8	129.4	132.7
87.5°	16.2	29.2	35.6	45.3	71.2	74.4	77.6	77.6	77.6	80.9	80.9
90°	7.9	14.3	20.6	22.3	35.0	51.9	60.4	53.7	40.2	30.2	30.2
92.5°	31.8	85.9	140.1	153.5	215.8	298.8	340.3	298.3	214.2	151.1	145.1
95°	76.4	175.3	274.3	299.0	531.0	840.2	994.9	887.8	673.6	513.0	494.8
97.5°	132.0	219.3	306.7	328.5	715.3	1230.9	1488.8	1421.1	1285.7	1184.2	1149.6
100°	174.9	254.1	333.4	353.1	782.3	1354.6	1640.7	1645.7	1655.5	1663.0	1621.7
102.5°	211.6	285.4	359.3	377.7	813.0	1393.4	1683.6	1769.8	1942.4	2071.7	2036.4
105°	273.6	336.1	398.7	414.3	835.8	1397.9	1678.8	1872.1	2258.8	2548.9	2529.9
107.5°	337.2	395.5	453.8	468.4	840.1	1335.6	1583.4	1853.1	2392.5	2797.0	2801.6
110°	380.1	432.8	485.5	498.6	833.7	1280.5	1503.9	1805.4	2408.4	2860.6	2880.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	422.3	472.5	522.7	535.3	834.0	1232.4	1431.5	1740.1	2357.2	2820.1	2850.5
115°	485.9	532.2	578.6	590.1	841.7	1177.1	1344.8	1642.1	2236.7	2682.5	2724.7
117.5°	548.7	590.8	632.9	643.4	857.3	1142.5	1285.2	1553.4	2090.0	2492.4	2539.1
120°	585.4	624.9	664.5	674.4	870.1	1130.9	1261.3	1506.5	1996.7	2364.4	2409.8
122.5°	621.1	661.1	701.0	711.0	888.3	1124.7	1243.0	1463.7	1905.2	2236.4	2281.2
125°	676.0	712.4	748.8	757.9	913.0	1119.8	1223.1	1410.7	1785.7	2067.0	2108.3
127.5°	720.5	757.2	794.1	803.2	937.6	1116.9	1206.5	1367.5	1689.4	1930.9	1965.7
130°	744.3	783.9	823.5	833.4	955.6	1118.6	1200.1	1343.4	1630.1	1845.1	1877.2
132.5°	769.0	808.6	848.2	858.1	970.2	1119.8	1194.5	1322.8	1579.4	1771.9	1800.6
135°	805.6	841.7	877.8	886.8	986.2	1118.7	1185.0	1292.4	1507.3	1668.5	1693.4
137.5°	843.0	878.7	914.4	923.3	1010.0	1125.6	1183.3	1274.2	1455.9	1592.1	1612.5
140°	874.0	906.9	939.7	948.0	1024.5	1126.7	1177.8	1256.3	1413.3	1530.9	1550.0
142.5°	897.9	928.3	958.7	966.2	1036.8	1130.8	1177.8	1246.7	1384.6	1488.0	1504.4
145°	934.5	961.0	987.5	994.1	1052.7	1130.9	1169.9	1226.3	1339.0	1423.6	1435.9
147.5°	971.0	996.8	1022.6	1029.1	1076.1	1138.6	1169.9	1214.2	1302.9	1369.5	1379.7
150°	994.9	1018.2	1041.6	1047.4	1088.2	1142.6	1169.9	1207.3	1282.3	1338.5	1346.8
152.5°	1019.6	1037.3	1054.9	1059.3	1096.1	1145.3	1169.9	1201.9	1265.8	1313.8	1320.1
155°	1056.1	1069.2	1082.3	1085.5	1113.6	1151.1	1169.9	1195.3	1246.2	1284.4	1288.5
157.5°	1083.1	1095.9	1108.7	1111.8	1131.1	1157.0	1169.9	1189.6	1229.2	1259.0	1261.8
160°	1101.5	1111.4	1121.3	1123.8	1139.2	1159.6	1169.9	1186.9	1220.8	1246.2	1248.0
162.5°	1119.8	1127.2	1134.7	1136.5	1147.6	1162.4	1169.9	1184.2	1212.8	1234.3	1235.9
165°	1139.6	1146.3	1153.0	1154.8	1159.8	1166.5	1169.9	1180.1	1200.6	1216.0	1217.8
167.5°	1157.9	1161.1	1164.3	1165.1	1169.3	1174.9	1177.8	1184.5	1198.0	1208.0	1208.7
170°	1169.9	1173.0	1176.3	1177.0	1177.3	1177.6	1177.8	1184.5	1198.0	1208.0	1208.0
172.5°	1176.3	1176.9	1177.6	1177.8	1177.8	1177.8	1177.8	1183.1	1193.8	1201.7	1201.1
175°	1185.0	1185.0	1185.0	1185.0	1182.6	1179.4	1177.8	1181.1	1187.8	1192.9	1192.9
177.5°	1185.0	1185.0	1185.0	1185.0	1183.1	1180.7	1179.4	1182.1	1187.4	1191.4	1190.7
180°	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8
2.5°	3507.2	3497.4	3507.2	3500.7	3503.9	3494.2	3465.1	3455.4	3465.1	3474.8	3474.8
5°	3549.2	3542.7	3549.2	3549.2	3546.0	3539.5	3507.2	3500.7	3507.2	3510.3	3503.9
7.5°	3562.2	3552.4	3562.2	3555.7	3555.7	3549.2	3516.8	3510.3	3513.6	3523.3	3513.6
10°	3562.2	3552.4	3562.2	3558.9	3555.7	3549.2	3516.8	3503.9	3503.9	3513.6	3503.9
12.5°	3546.0	3539.5	3546.0	3539.5	3539.5	3533.0	3500.7	3487.8	3490.9	3494.2	3481.3
15°	3520.1	3510.3	3520.1	3513.6	3516.8	3507.2	3471.5	3458.6	3458.6	3465.1	3442.5
17.5°	3481.3	3468.3	3481.3	3478.0	3474.8	3468.3	3436.0	3423.1	3419.8	3423.1	3406.8
20°	3436.0	3426.2	3436.0	3432.7	3432.7	3419.8	3387.4	3371.2	3371.2	3371.2	3355.1
22.5°	3364.7	3355.1	3364.7	3371.2	3371.2	3368.0	3338.9	3316.3	3309.8	3309.8	3290.4
25°	3283.9	3274.2	3283.9	3283.9	3280.7	3283.9	3274.2	3261.3	3251.5	3241.8	3222.4
27.5°	3206.2	3199.7	3206.2	3199.7	3206.2	3196.6	3193.3	3190.1	3177.2	3167.4	3141.5
30°	3128.6	3122.1	3128.6	3122.1	3115.7	3109.2	3093.0	3086.5	3099.4	3093.0	3051.0
32.5°	3031.6	3025.1	3031.6	3031.6	3025.1	3025.1	2999.2	2989.5	2992.8	3012.2	2973.4
35°	2931.3	2921.5	2931.3	2928.0	2931.3	2921.5	2905.4	2902.1	2889.2	2911.8	2882.7
37.5°	2814.8	2805.1	2814.8	2814.8	2814.8	2821.3	2808.3	2798.6	2779.2	2808.3	2785.7
40°	2695.1	2682.2	2695.1	2691.8	2695.1	2701.6	2695.1	2688.6	2669.2	2691.8	2672.4
42.5°	2559.2	2556.0	2559.2	2562.4	2562.4	2575.4	2585.0	2572.1	2565.6	2549.5	2562.4
45°	2413.6	2407.1	2413.6	2420.0	2423.3	2429.8	2458.9	2458.9	2449.2	2423.3	2442.7
47.5°	2258.3	2242.1	2258.3	2277.7	2277.7	2287.4	2316.5	2339.1	2323.0	2290.7	2300.3
50°	2093.3	2096.5	2093.3	2106.3	2106.3	2141.8	2164.5	2187.1	2203.3	2164.5	2119.2
52.5°	1931.5	1928.3	1931.5	1941.3	1954.2	1970.3	2009.1	2031.8	2057.7	2035.0	1963.9
55°	1769.7	1776.2	1769.7	1773.0	1779.5	1789.2	1847.4	1870.0	1918.6	1889.4	1815.1
57.5°	1608.0	1598.2	1608.0	1614.5	1617.6	1627.4	1676.0	1718.0	1747.1	1750.3	1659.7
60°	1420.3	1407.4	1420.3	1449.5	1455.9	1462.4	1507.7	1546.5	1572.4	1582.1	1488.3
62.5°	1255.3	1232.7	1255.3	1274.7	1287.6	1303.9	1336.2	1394.4	1417.1	1420.3	1287.6
65°	1080.6	1070.9	1080.6	1119.5	1122.6	1142.0	1177.7	1219.8	1268.2	1261.8	1070.9
67.5°	922.1	922.1	922.1	948.0	967.4	977.1	1022.3	1041.8	1103.2	1109.7	893.0
70°	776.5	773.2	776.5	795.9	808.9	831.5	873.6	896.2	944.7	960.9	724.7
72.5°	637.4	634.1	637.4	653.5	666.5	685.9	721.5	747.4	789.5	808.9	563.0
75°	514.4	507.9	514.4	527.3	524.2	550.0	579.1	605.1	643.9	656.8	417.4
77.5°	394.7	394.7	394.7	407.6	407.6	433.5	446.5	478.9	501.5	520.9	307.4
80°	294.4	291.2	294.4	297.7	297.7	310.6	333.3	355.9	375.3	375.3	210.3
82.5°	207.1	200.6	207.1	207.1	207.1	213.6	226.5	233.0	245.9	255.6	132.7
85°	129.4	129.4	129.4	132.7	129.4	135.8	139.1	145.6	145.6	139.1	80.9
87.5°	84.1	80.9	84.1	80.9	80.9	77.6	77.6	77.6	74.4	71.2	45.3
90°	30.2	30.2	30.2	30.2	30.2	40.2	53.7	60.4	51.9	35.0	22.3
92.5°	121.1	97.0	121.1	145.1	151.1	214.2	298.3	340.3	298.8	215.8	153.5
95°	422.0	349.1	422.0	494.8	513.0	673.6	887.8	994.9	840.2	531.0	299.0
97.5°	1011.0	872.4	1011.0	1149.6	1184.2	1285.7	1421.1	1488.8	1230.9	715.3	328.5
100°	1456.7	1291.6	1456.7	1621.7	1663.0	1655.5	1645.7	1640.7	1354.6	782.3	353.1
102.5°	1895.0	1753.6	1895.0	2036.4	2071.7	1942.4	1769.8	1683.6	1393.4	813.0	377.7
105°	2453.9	2377.9	2453.9	2529.9	2548.9	2258.8	1872.1	1678.8	1397.9	835.8	414.3
107.5°	2820.0	2838.4	2820.0	2801.6	2797.0	2392.5	1853.1	1583.4	1335.6	840.1	468.4
110°	2959.6	3038.7	2959.6	2880.4	2860.6	2408.4	1805.4	1503.9	1280.5	833.7	498.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2972.0	3093.6	2972.0	2850.5	2820.1	2357.2	1740.1	1431.5	1232.4	834.0	535.3
115°	2893.2	3061.9	2893.2	2724.7	2682.5	2236.7	1642.1	1344.8	1177.1	841.7	590.1
117.5°	2726.1	2913.1	2726.1	2539.1	2492.4	2090.0	1553.4	1285.2	1142.5	857.3	643.4
120°	2591.5	2773.2	2591.5	2409.8	2364.4	1996.7	1506.5	1261.3	1130.9	870.1	674.4
122.5°	2460.4	2639.5	2460.4	2281.2	2236.4	1905.2	1463.7	1243.0	1124.7	888.3	711.0
125°	2273.3	2438.4	2273.3	2108.3	2067.0	1785.7	1410.7	1223.1	1119.8	913.0	757.9
127.5°	2105.0	2244.3	2105.0	1965.7	1930.9	1689.4	1367.5	1206.5	1116.9	937.6	803.2
130°	2005.9	2134.6	2005.9	1877.2	1845.1	1630.1	1343.4	1200.1	1118.6	955.6	833.4
132.5°	1915.9	2031.1	1915.9	1800.6	1771.9	1579.4	1322.8	1194.5	1119.8	970.2	858.1
135°	1792.7	1892.0	1792.7	1693.4	1668.5	1507.3	1292.4	1185.0	1118.7	986.2	886.8
137.5°	1693.7	1775.1	1693.7	1612.5	1592.1	1455.9	1274.2	1183.3	1125.6	1010.0	923.3
140°	1625.9	1701.9	1625.9	1550.0	1530.9	1413.3	1256.3	1177.8	1126.7	1024.5	948.0
142.5°	1569.8	1635.1	1569.8	1504.4	1488.0	1384.6	1246.7	1177.8	1130.8	1036.8	966.2
145°	1485.4	1534.9	1485.4	1435.9	1423.6	1339.0	1226.3	1169.9	1130.9	1052.7	994.1
147.5°	1420.7	1461.7	1420.7	1379.7	1369.5	1302.9	1214.2	1169.9	1138.6	1076.1	1029.1
150°	1380.0	1413.3	1380.0	1346.8	1338.5	1282.3	1207.3	1169.9	1142.6	1088.2	1047.4
152.5°	1345.2	1370.2	1345.2	1320.1	1313.8	1265.8	1201.9	1169.9	1145.3	1096.1	1059.3
155°	1305.1	1321.8	1305.1	1288.5	1284.4	1246.2	1195.3	1169.9	1151.1	1113.6	1085.5
157.5°	1273.5	1285.2	1273.5	1261.8	1259.0	1229.2	1189.6	1169.9	1157.0	1131.1	1111.8
160°	1254.7	1261.3	1254.7	1248.0	1246.2	1220.8	1186.9	1169.9	1159.6	1139.2	1123.8
162.5°	1242.2	1248.6	1242.2	1235.9	1234.3	1212.8	1184.2	1169.9	1162.4	1147.6	1136.5
165°	1224.4	1231.1	1224.4	1217.8	1216.0	1200.6	1180.1	1169.9	1166.5	1159.8	1154.8
167.5°	1211.5	1214.4	1211.5	1208.7	1208.0	1198.0	1184.5	1177.8	1174.9	1169.3	1165.1
170°	1208.0	1208.0	1208.0	1208.0	1208.0	1198.0	1184.5	1177.8	1177.6	1177.3	1177.0
172.5°	1198.6	1196.1	1198.6	1201.1	1201.7	1193.8	1183.1	1177.8	1177.8	1177.8	1177.8
175°	1192.9	1192.9	1192.9	1192.9	1192.9	1187.8	1181.1	1177.8	1179.4	1182.6	1185.0
177.5°	1187.8	1185.0	1187.8	1190.7	1191.4	1187.4	1182.1	1179.4	1180.7	1183.1	1185.0
180°	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8
2.5°	3468.3	3448.9	3448.9	3416.6	3403.6	3393.9	3377.7	3329.2	3316.3	3303.3	3322.8
5°	3497.4	3461.9	3436.0	3377.7	3329.2	3309.8	3248.3	3131.9	3054.2	2995.9	2963.6
7.5°	3503.9	3458.6	3410.1	3319.5	3203.0	3151.3	2963.6	2750.0	2691.8	2640.1	2607.7
10°	3497.4	3445.7	3377.7	3241.8	2966.9	2876.2	2688.6	2549.5	2513.9	2504.1	2513.9
12.5°	3474.8	3426.2	3332.4	3105.9	2721.0	2659.5	2549.5	2468.6	2462.1	2478.3	2565.6
15°	3436.0	3390.6	3280.7	2924.8	2585.0	2539.8	2462.1	2433.0	2468.6	2581.9	2843.9
17.5°	3397.1	3345.3	3209.5	2746.9	2481.5	2449.2	2394.2	2452.4	2653.0	2805.1	2892.4
20°	3345.3	3283.9	3128.6	2617.4	2407.1	2378.0	2352.1	2614.2	2766.3	2821.3	2869.8
22.5°	3283.9	3219.2	3018.6	2526.8	2329.5	2306.8	2323.0	2704.8	2766.3	2805.1	2847.2
25°	3203.0	3148.0	2889.2	2455.7	2268.0	2242.1	2303.6	2695.1	2730.6	2740.4	2824.5
27.5°	3128.6	3057.4	2753.3	2391.0	2193.5	2183.9	2319.7	2653.0	2678.9	2688.6	2779.2
30°	3038.0	2931.3	2601.3	2323.0	2115.9	2112.7	2323.0	2601.3	2594.8	2620.7	2711.2
32.5°	2944.2	2743.6	2429.8	2238.9	2041.5	2038.3	2300.3	2523.6	2517.1	2552.7	2620.7
35°	2856.8	2598.0	2196.8	2141.8	1947.7	1950.9	2245.4	2433.0	2436.3	2468.6	2510.6
37.5°	2766.3	2471.8	1941.3	2035.0	1857.1	1857.1	2170.9	2348.9	2342.4	2352.1	2410.4
40°	2659.5	2274.4	1714.8	1895.9	1773.0	1763.2	2080.4	2258.3	2235.6	2232.5	2313.3
42.5°	2546.2	2057.7	1546.5	1711.5	1676.0	1663.0	1970.3	2148.3	2106.3	2115.9	2219.4
45°	2423.3	1999.5	1417.1	1446.2	1575.6	1565.9	1850.6	2022.1	1993.0	2018.9	2125.7
47.5°	2300.3	1882.9	1375.0	1200.4	1468.9	1465.6	1718.0	1899.2	1882.9	1908.8	2022.1
50°	2132.1	1753.6	1371.8	1028.8	1349.1	1362.1	1559.4	1779.5	1779.5	1802.1	1921.8
52.5°	1915.3	1595.0	1245.6	931.8	1210.0	1248.8	1420.3	1676.0	1682.4	1705.0	1811.8
55°	1718.0	1430.1	1155.0	857.3	1045.0	1129.1	1284.5	1569.2	1582.1	1604.7	1701.8
57.5°	1536.8	1190.6	1135.6	770.1	893.0	973.9	1164.7	1465.6	1472.0	1491.6	1585.3
60°	1342.7	860.6	1041.8	676.2	760.3	821.8	1054.8	1342.7	1365.4	1378.3	1459.1
62.5°	1122.6	624.5	944.7	611.5	695.6	708.6	964.1	1226.2	1255.3	1265.1	1313.5
65°	799.1	524.2	802.4	556.5	627.6	630.9	867.1	1106.5	1132.4	1148.5	1184.1
67.5°	540.3	427.0	611.5	504.7	575.9	579.1	773.2	967.4	1002.9	1015.9	1038.6
70°	375.3	284.7	453.0	449.7	517.7	524.2	672.9	841.2	873.6	883.2	896.2
72.5°	275.0	229.7	375.3	404.4	456.2	462.7	569.4	698.8	731.1	740.9	747.4
75°	210.3	242.6	304.1	352.7	388.2	391.5	465.9	569.4	592.1	598.6	601.8
77.5°	168.3	226.5	223.2	284.7	317.1	310.6	365.6	440.0	459.5	459.5	459.5
80°	126.2	177.9	168.3	203.8	233.0	226.5	262.0	313.9	320.3	326.8	323.5
82.5°	93.8	113.2	113.2	129.4	155.3	148.8	174.8	203.8	203.8	203.8	210.3
85°	58.2	64.7	51.7	68.0	87.4	84.1	97.0	110.0	113.2	113.2	106.8
87.5°	35.6	29.2	16.2	25.9	38.8	38.8	45.3	48.6	45.3	45.3	45.3
90°	20.6	14.3	7.9	14.3	20.6	22.3	35.0	51.9	60.4	53.7	40.2
92.5°	140.1	85.9	31.8	85.9	140.1	153.5	215.8	298.8	340.3	298.3	214.2
95°	274.3	175.3	76.4	175.3	274.3	299.0	531.0	840.2	994.9	887.8	673.6
97.5°	306.7	219.3	132.0	219.3	306.7	328.5	715.3	1230.9	1488.8	1421.1	1285.7
100°	333.4	254.1	174.9	254.1	333.4	353.1	782.3	1354.6	1640.7	1645.7	1655.5
102.5°	359.3	285.4	211.6	285.4	359.3	377.7	813.0	1393.4	1683.6	1769.8	1942.4
105°	398.7	336.1	273.6	336.1	398.7	414.3	835.8	1397.9	1678.8	1872.1	2258.8
107.5°	453.8	395.5	337.2	395.5	453.8	468.4	840.1	1335.6	1583.4	1853.1	2392.5
110°	485.5	432.8	380.1	432.8	485.5	498.6	833.7	1280.5	1503.9	1805.4	2408.4



TEST NUMBER: P935312

CATALOG NUMBER: SQ4-FA-100U-125D-830-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	522.7	472.5	422.3	472.5	522.7	535.3	834.0	1232.4	1431.5	1740.1	2357.2
115°	578.6	532.2	485.9	532.2	578.6	590.1	841.7	1177.1	1344.8	1642.1	2236.7
117.5°	632.9	590.8	548.7	590.8	632.9	643.4	857.3	1142.5	1285.2	1553.4	2090.0
120°	664.5	624.9	585.4	624.9	664.5	674.4	870.1	1130.9	1261.3	1506.5	1996.7
122.5°	701.0	661.1	621.1	661.1	701.0	711.0	888.3	1124.7	1243.0	1463.7	1905.2
125°	748.8	712.4	676.0	712.4	748.8	757.9	913.0	1119.8	1223.1	1410.7	1785.7
127.5°	794.1	757.2	720.5	757.2	794.1	803.2	937.6	1116.9	1206.5	1367.5	1689.4
130°	823.5	783.9	744.3	783.9	823.5	833.4	955.6	1118.6	1200.1	1343.4	1630.1
132.5°	848.2	808.6	769.0	808.6	848.2	858.1	970.2	1119.8	1194.5	1322.8	1579.4
135°	877.8	841.7	805.6	841.7	877.8	886.8	986.2	1118.7	1185.0	1292.4	1507.3
137.5°	914.4	878.7	843.0	878.7	914.4	923.3	1010.0	1125.6	1183.3	1274.2	1455.9
140°	939.7	906.9	874.0	906.9	939.7	948.0	1024.5	1126.7	1177.8	1256.3	1413.3
142.5°	958.7	928.3	897.9	928.3	958.7	966.2	1036.8	1130.8	1177.8	1246.7	1384.6
145°	987.5	961.0	934.5	961.0	987.5	994.1	1052.7	1130.9	1169.9	1226.3	1339.0
147.5°	1022.6	996.8	971.0	996.8	1022.6	1029.1	1076.1	1138.6	1169.9	1214.2	1302.9
150°	1041.6	1018.2	994.9	1018.2	1041.6	1047.4	1088.2	1142.6	1169.9	1207.3	1282.3
152.5°	1054.9	1037.3	1019.6	1037.3	1054.9	1059.3	1096.1	1145.3	1169.9	1201.9	1265.8
155°	1082.3	1069.2	1056.1	1069.2	1082.3	1085.5	1113.6	1151.1	1169.9	1195.3	1246.2
157.5°	1108.7	1095.9	1083.1	1095.9	1108.7	1111.8	1131.1	1157.0	1169.9	1189.6	1229.2
160°	1121.3	1111.4	1101.5	1111.4	1121.3	1123.8	1139.2	1159.6	1169.9	1186.9	1220.8
162.5°	1134.7	1127.2	1119.8	1127.2	1134.7	1136.5	1147.6	1162.4	1169.9	1184.2	1212.8
165°	1153.0	1146.3	1139.6	1146.3	1153.0	1154.8	1159.8	1166.5	1169.9	1180.1	1200.6
167.5°	1164.3	1161.1	1157.9	1161.1	1164.3	1165.1	1169.3	1174.9	1177.8	1184.5	1198.0
170°	1176.3	1173.0	1169.9	1173.0	1176.3	1177.0	1177.3	1177.6	1177.8	1184.5	1198.0
172.5°	1177.6	1176.9	1176.3	1176.9	1177.6	1177.8	1177.8	1177.8	1177.8	1183.1	1193.8
175°	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1182.6	1179.4	1177.8	1181.1	1187.8
177.5°	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1183.1	1180.7	1179.4	1182.1	1187.4
180°	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0



TEST NUMBER: P935312
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8	3419.8
2.5°	3300.1	3290.4	3303.3	3267.7	3303.3	3290.4	3300.1	3322.8	3303.3	3316.3	3329.2
5°	2895.6	2879.5	2827.8	2785.7	2827.8	2879.5	2895.6	2963.6	2995.9	3054.2	3131.9
7.5°	2588.3	2575.4	2562.4	2536.6	2562.4	2575.4	2588.3	2607.7	2640.1	2691.8	2750.0
10°	2520.4	2523.6	2543.0	2539.8	2543.0	2523.6	2520.4	2513.9	2504.1	2513.9	2549.5
12.5°	2695.1	2724.2	2830.9	2824.5	2830.9	2724.2	2695.1	2565.6	2478.3	2462.1	2468.6
15°	2895.6	2905.4	2928.0	2931.3	2928.0	2905.4	2895.6	2843.9	2581.9	2468.6	2433.0
17.5°	2915.0	2918.3	2934.4	2934.4	2934.4	2918.3	2915.0	2892.4	2805.1	2653.0	2452.4
20°	2898.9	2905.4	2937.7	2944.2	2937.7	2905.4	2898.9	2869.8	2821.3	2766.3	2614.2
22.5°	2892.4	2905.4	2931.3	2928.0	2931.3	2905.4	2892.4	2847.2	2805.1	2766.3	2704.8
25°	2860.1	2860.1	2863.3	2866.6	2863.3	2860.1	2860.1	2824.5	2740.4	2730.6	2695.1
27.5°	2792.1	2798.6	2818.0	2814.8	2818.0	2798.6	2792.1	2779.2	2688.6	2678.9	2653.0
30°	2730.6	2724.2	2708.0	2695.1	2708.0	2724.2	2730.6	2711.2	2620.7	2594.8	2601.3
32.5°	2627.1	2610.9	2594.8	2585.0	2594.8	2610.9	2627.1	2620.7	2552.7	2517.1	2523.6
35°	2504.1	2507.4	2504.1	2494.5	2504.1	2507.4	2504.1	2510.6	2468.6	2436.3	2433.0
37.5°	2416.9	2423.3	2420.0	2407.1	2420.0	2423.3	2416.9	2410.4	2352.1	2342.4	2348.9
40°	2326.2	2329.5	2326.2	2316.5	2326.2	2329.5	2326.2	2313.3	2232.5	2235.6	2258.3
42.5°	2238.9	2235.6	2226.0	2219.4	2226.0	2235.6	2238.9	2219.4	2115.9	2106.3	2148.3
45°	2138.6	2141.8	2122.4	2112.7	2122.4	2141.8	2138.6	2125.7	2018.9	1993.0	2022.1
47.5°	2038.3	2038.3	2022.1	2012.4	2022.1	2038.3	2038.3	2022.1	1908.8	1882.9	1899.2
50°	1931.5	1928.3	1905.6	1902.4	1905.6	1928.3	1931.5	1921.8	1802.1	1779.5	1779.5
52.5°	1808.6	1808.6	1811.8	1818.3	1811.8	1808.6	1808.6	1811.8	1705.0	1682.4	1676.0
55°	1701.8	1705.0	1727.7	1734.2	1727.7	1705.0	1701.8	1701.8	1604.7	1582.1	1569.2
57.5°	1591.8	1591.8	1608.0	1608.0	1608.0	1591.8	1591.8	1585.3	1491.6	1472.0	1465.6
60°	1465.6	1472.0	1485.1	1481.8	1485.1	1472.0	1465.6	1459.1	1378.3	1365.4	1342.7
62.5°	1333.0	1339.5	1342.7	1336.2	1342.7	1339.5	1333.0	1313.5	1265.1	1255.3	1226.2
65°	1193.9	1200.4	1203.6	1197.1	1203.6	1200.4	1193.9	1184.1	1148.5	1132.4	1106.5
67.5°	1051.5	1048.3	1045.0	1058.0	1045.0	1048.3	1051.5	1038.6	1015.9	1002.9	967.4
70°	905.9	905.9	902.7	909.2	902.7	905.9	905.9	896.2	883.2	873.6	841.2
72.5°	750.7	747.4	760.3	750.7	760.3	747.4	750.7	747.4	740.9	731.1	698.8
75°	598.6	605.1	598.6	608.2	598.6	605.1	598.6	601.8	598.6	592.1	569.4
77.5°	456.2	462.7	456.2	456.2	456.2	462.7	456.2	459.5	459.5	459.5	440.0
80°	323.5	320.3	320.3	317.1	320.3	320.3	323.5	323.5	326.8	320.3	313.9
82.5°	207.1	203.8	203.8	210.3	203.8	203.8	207.1	210.3	203.8	203.8	203.8
85°	113.2	116.4	110.0	110.0	110.0	116.4	113.2	106.8	113.2	113.2	110.0
87.5°	42.1	38.8	38.8	38.8	38.8	38.8	42.1	45.3	45.3	45.3	48.6
90°	30.2	30.2	30.2	30.2	30.2	30.2	30.2	40.2	53.7	60.4	51.9
92.5°	151.1	145.1	121.1	97.0	121.1	145.1	151.1	214.2	298.3	340.3	298.8
95°	513.0	494.8	422.0	349.1	422.0	494.8	513.0	673.6	887.8	994.9	840.2
97.5°	1184.2	1149.6	1011.0	872.4	1011.0	1149.6	1184.2	1285.7	1421.1	1488.8	1230.9
100°	1663.0	1621.7	1456.7	1291.6	1456.7	1621.7	1663.0	1655.5	1645.7	1640.7	1354.6
102.5°	2071.7	2036.4	1895.0	1753.6	1895.0	2036.4	2071.7	1942.4	1769.8	1683.6	1393.4
105°	2548.9	2529.9	2453.9	2377.9	2453.9	2529.9	2548.9	2258.8	1872.1	1678.8	1397.9
107.5°	2797.0	2801.6	2820.0	2838.4	2820.0	2801.6	2797.0	2392.5	1853.1	1583.4	1335.6
110°	2860.6	2880.4	2959.6	3038.7	2959.6	2880.4	2860.6	2408.4	1805.4	1503.9	1280.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2820.1	2850.5	2972.0	3093.6	2972.0	2850.5	2820.1	2357.2	1740.1	1431.5	1232.4
115°	2682.5	2724.7	2893.2	3061.9	2893.2	2724.7	2682.5	2236.7	1642.1	1344.8	1177.1
117.5°	2492.4	2539.1	2726.1	2913.1	2726.1	2539.1	2492.4	2090.0	1553.4	1285.2	1142.5
120°	2364.4	2409.8	2591.5	2773.2	2591.5	2409.8	2364.4	1996.7	1506.5	1261.3	1130.9
122.5°	2236.4	2281.2	2460.4	2639.5	2460.4	2281.2	2236.4	1905.2	1463.7	1243.0	1124.7
125°	2067.0	2108.3	2273.3	2438.4	2273.3	2108.3	2067.0	1785.7	1410.7	1223.1	1119.8
127.5°	1930.9	1965.7	2105.0	2244.3	2105.0	1965.7	1930.9	1689.4	1367.5	1206.5	1116.9
130°	1845.1	1877.2	2005.9	2134.6	2005.9	1877.2	1845.1	1630.1	1343.4	1200.1	1118.6
132.5°	1771.9	1800.6	1915.9	2031.1	1915.9	1800.6	1771.9	1579.4	1322.8	1194.5	1119.8
135°	1668.5	1693.4	1792.7	1892.0	1792.7	1693.4	1668.5	1507.3	1292.4	1185.0	1118.7
137.5°	1592.1	1612.5	1693.7	1775.1	1693.7	1612.5	1592.1	1455.9	1274.2	1183.3	1125.6
140°	1530.9	1550.0	1625.9	1701.9	1625.9	1550.0	1530.9	1413.3	1256.3	1177.8	1126.7
142.5°	1488.0	1504.4	1569.8	1635.1	1569.8	1504.4	1488.0	1384.6	1246.7	1177.8	1130.8
145°	1423.6	1435.9	1485.4	1534.9	1485.4	1435.9	1423.6	1339.0	1226.3	1169.9	1130.9
147.5°	1369.5	1379.7	1420.7	1461.7	1420.7	1379.7	1369.5	1302.9	1214.2	1169.9	1138.6
150°	1338.5	1346.8	1380.0	1413.3	1380.0	1346.8	1338.5	1282.3	1207.3	1169.9	1142.6
152.5°	1313.8	1320.1	1345.2	1370.2	1345.2	1320.1	1313.8	1265.8	1201.9	1169.9	1145.3
155°	1284.4	1288.5	1305.1	1321.8	1305.1	1288.5	1284.4	1246.2	1195.3	1169.9	1151.1
157.5°	1259.0	1261.8	1273.5	1285.2	1273.5	1261.8	1259.0	1229.2	1189.6	1169.9	1157.0
160°	1246.2	1248.0	1254.7	1261.3	1254.7	1248.0	1246.2	1220.8	1186.9	1169.9	1159.6
162.5°	1234.3	1235.9	1242.2	1248.6	1242.2	1235.9	1234.3	1212.8	1184.2	1169.9	1162.4
165°	1216.0	1217.8	1224.4	1231.1	1224.4	1217.8	1216.0	1200.6	1180.1	1169.9	1166.5
167.5°	1208.0	1208.7	1211.5	1214.4	1211.5	1208.7	1208.0	1198.0	1184.5	1177.8	1174.9
170°	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1198.0	1184.5	1177.8	1177.6
172.5°	1201.7	1201.1	1198.6	1196.1	1198.6	1201.1	1201.7	1193.8	1183.1	1177.8	1177.8
175°	1192.9	1192.9	1192.9	1192.9	1192.9	1192.9	1192.9	1187.8	1181.1	1177.8	1179.4
177.5°	1191.4	1190.7	1187.8	1185.0	1187.8	1190.7	1191.4	1187.4	1182.1	1179.4	1180.7
180°	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3419.8	3419.8	3419.8	3419.8	3419.8
2.5°	3377.7	3393.9	3403.6	3416.6	3448.9
5°	3248.3	3309.8	3329.2	3377.7	3436.0
7.5°	2963.6	3151.3	3203.0	3319.5	3410.1
10°	2688.6	2876.2	2966.9	3241.8	3377.7
12.5°	2549.5	2659.5	2721.0	3105.9	3332.4
15°	2462.1	2539.8	2585.0	2924.8	3280.7
17.5°	2394.2	2449.2	2481.5	2746.9	3209.5
20°	2352.1	2378.0	2407.1	2617.4	3128.6
22.5°	2323.0	2306.8	2329.5	2526.8	3018.6
25°	2303.6	2242.1	2268.0	2455.7	2889.2
27.5°	2319.7	2183.9	2193.5	2391.0	2753.3
30°	2323.0	2112.7	2115.9	2323.0	2601.3
32.5°	2300.3	2038.3	2041.5	2238.9	2429.8
35°	2245.4	1950.9	1947.7	2141.8	2196.8
37.5°	2170.9	1857.1	1857.1	2035.0	1941.3
40°	2080.4	1763.2	1773.0	1895.9	1714.8
42.5°	1970.3	1663.0	1676.0	1711.5	1546.5
45°	1850.6	1565.9	1575.6	1446.2	1417.1
47.5°	1718.0	1465.6	1468.9	1200.4	1375.0
50°	1559.4	1362.1	1349.1	1028.8	1371.8
52.5°	1420.3	1248.8	1210.0	931.8	1245.6
55°	1284.5	1129.1	1045.0	857.3	1155.0
57.5°	1164.7	973.9	893.0	770.1	1135.6
60°	1054.8	821.8	760.3	676.2	1041.8
62.5°	964.1	708.6	695.6	611.5	944.7
65°	867.1	630.9	627.6	556.5	802.4
67.5°	773.2	579.1	575.9	504.7	611.5
70°	672.9	524.2	517.7	449.7	453.0
72.5°	569.4	462.7	456.2	404.4	375.3
75°	465.9	391.5	388.2	352.7	304.1
77.5°	365.6	310.6	317.1	284.7	223.2
80°	262.0	226.5	233.0	203.8	168.3
82.5°	174.8	148.8	155.3	129.4	113.2
85°	97.0	84.1	87.4	68.0	51.7
87.5°	45.3	38.8	38.8	25.9	16.2
90°	35.0	22.3	20.6	14.3	7.9
92.5°	215.8	153.5	140.1	85.9	31.8
95°	531.0	299.0	274.3	175.3	76.4
97.5°	715.3	328.5	306.7	219.3	132.0
100°	782.3	353.1	333.4	254.1	174.9
102.5°	813.0	377.7	359.3	285.4	211.6
105°	835.8	414.3	398.7	336.1	273.6
107.5°	840.1	468.4	453.8	395.5	337.2
110°	833.7	498.6	485.5	432.8	380.1



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	834.0	535.3	522.7	472.5	422.3
115°	841.7	590.1	578.6	532.2	485.9
117.5°	857.3	643.4	632.9	590.8	548.7
120°	870.1	674.4	664.5	624.9	585.4
122.5°	888.3	711.0	701.0	661.1	621.1
125°	913.0	757.9	748.8	712.4	676.0
127.5°	937.6	803.2	794.1	757.2	720.5
130°	955.6	833.4	823.5	783.9	744.3
132.5°	970.2	858.1	848.2	808.6	769.0
135°	986.2	886.8	877.8	841.7	805.6
137.5°	1010.0	923.3	914.4	878.7	843.0
140°	1024.5	948.0	939.7	906.9	874.0
142.5°	1036.8	966.2	958.7	928.3	897.9
145°	1052.7	994.1	987.5	961.0	934.5
147.5°	1076.1	1029.1	1022.6	996.8	971.0
150°	1088.2	1047.4	1041.6	1018.2	994.9
152.5°	1096.1	1059.3	1054.9	1037.3	1019.6
155°	1113.6	1085.5	1082.3	1069.2	1056.1
157.5°	1131.1	1111.8	1108.7	1095.9	1083.1
160°	1139.2	1123.8	1121.3	1111.4	1101.5
162.5°	1147.6	1136.5	1134.7	1127.2	1119.8
165°	1159.8	1154.8	1153.0	1146.3	1139.6
167.5°	1169.3	1165.1	1164.3	1161.1	1157.9
170°	1177.3	1177.0	1176.3	1173.0	1169.9
172.5°	1177.8	1177.8	1177.6	1176.9	1176.3
175°	1182.6	1185.0	1185.0	1185.0	1185.0
177.5°	1183.1	1185.0	1185.0	1185.0	1185.0
180°	1185.0	1185.0	1185.0	1185.0	1185.0



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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	14.74	15.63	15.66	16.58	17.79	17.58	18.47	18.50	19.41	20.63
	3H	15.22	16.02	16.15	16.97	18.21	18.93	19.73	19.86	20.68	21.92
	4H	15.41	16.17	16.36	17.13	18.38	19.37	20.13	20.32	21.09	22.34
	6H	15.53	16.23	16.49	17.19	18.46	19.66	20.36	20.62	21.32	22.59
	8H	15.53	16.20	16.50	17.18	18.44	19.74	20.40	20.71	21.38	22.65
	12H	15.50	16.14	16.48	17.11	18.40	19.78	20.41	20.75	21.39	22.67
4H	2H	15.78	16.53	16.73	17.49	18.74	17.99	18.75	18.95	19.70	20.96
	3H	16.81	17.44	17.77	18.43	19.69	19.50	20.13	20.47	21.12	22.38
	4H	17.08	17.66	18.06	18.64	19.93	20.03	20.61	21.01	21.59	22.88
	6H	17.21	17.71	18.20	18.71	20.00	20.40	20.90	21.39	21.90	23.19
	8H	17.22	17.68	18.21	18.68	19.98	20.51	20.97	21.50	21.97	23.27
	12H	17.19	17.60	18.20	18.62	19.93	20.57	20.99	21.58	22.00	23.31
8H	4H	17.54	18.01	18.53	19.00	20.31	20.16	20.62	21.15	21.62	22.92
	6H	17.80	18.19	18.82	19.23	20.53	20.60	20.98	21.61	22.02	23.32
	8H	17.85	18.19	18.87	19.21	20.53	20.75	21.09	21.78	22.12	23.44
	12H	17.83	18.13	18.86	19.15	20.52	20.85	21.15	21.88	22.17	23.54
12H	4H	17.55	17.97	18.56	18.98	20.29	20.12	20.54	21.13	21.56	22.87
	6H	17.87	18.20	18.89	19.23	20.55	20.59	20.93	21.62	21.96	23.28
	8H	17.93	18.23	18.96	19.25	20.62	20.76	21.06	21.79	22.08	23.44