

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: P935000

Luminaire Tested: SQ4-FA-075U-125D-B35-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935000
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-B35-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

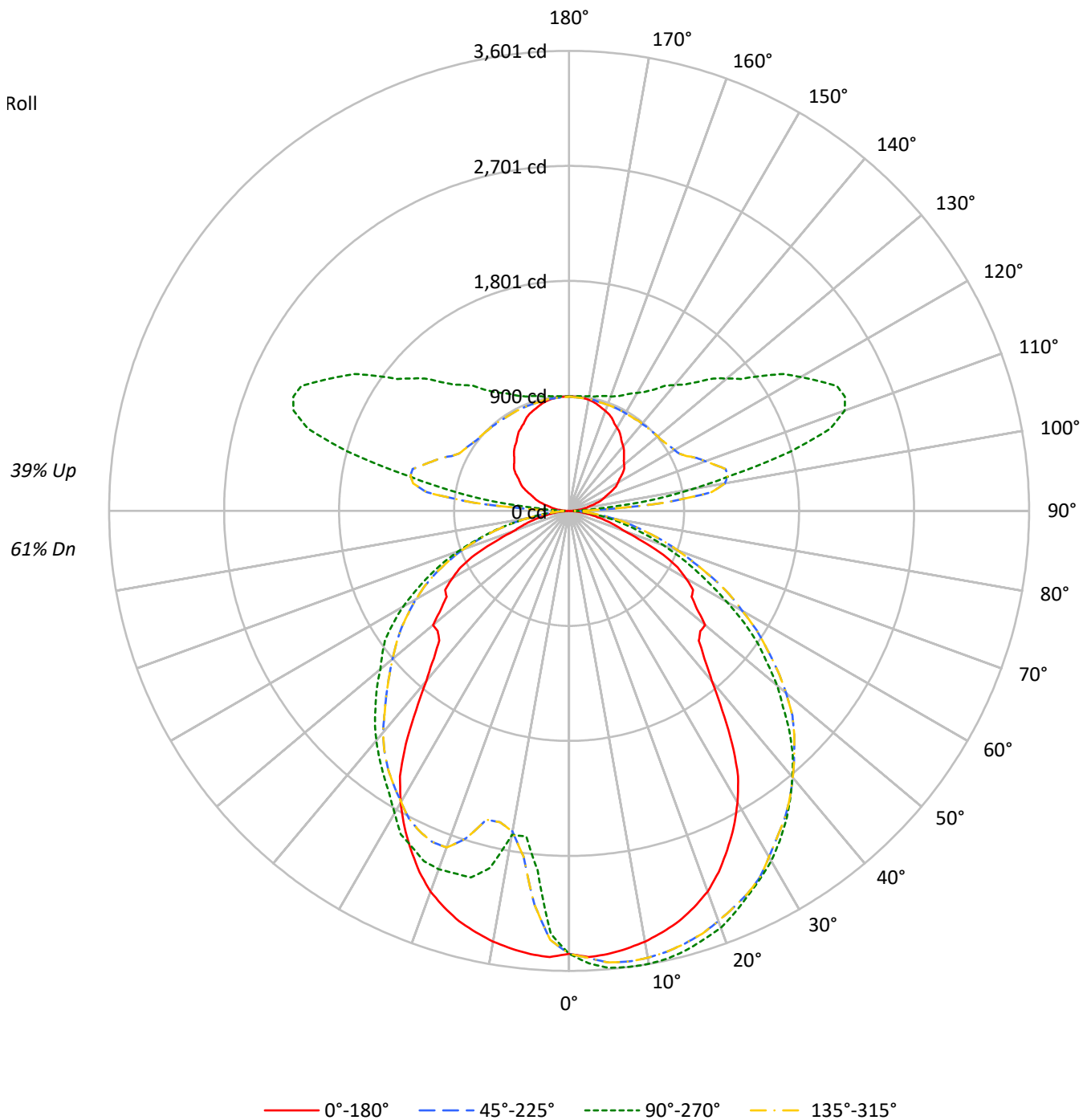
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14793.8 lumens
Efficiency: N/A
Efficacy: 119.3 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: 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





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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°	16082	16082	16082	16082
5°	16202	16234	16202	12765
10°	16094	15991	16094	11433
15°	15919	15645	15919	13064
20°	15586	15234	15586	13091
25°	14905	14636	14905	12814
30°	14024	14139	14024	12205
35°	12502	13510	12502	11535
40°	10418	12770	10418	11030
45°	9308	11904	9308	10448
50°	9889	10871	9889	9865
55°	9304	9758	9304	9527
60°	9590	8288	9590	8726
65°	8696	6851	8696	7658
70°	6021	5459	6021	6419
75°	5279	4035	5279	4832
80°	4254	2669	4254	2905
85°	2441	1413	2441	1201

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14266 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.9	2.1
10°-20°	888.4	6.0
20°-30°	1373.3	9.3
30°-40°	1639.4	11.1
40°-50°	1649.0	11.1
50°-60°	1434.9	9.7
60°-70°	1017.3	6.9
70°-80°	538.2	3.6
80°-90°	137.5	0.9
90°-100°	436.4	2.9
100°-110°	1147.2	7.8
110°-120°	1189.5	8.0
120°-130°	954.1	6.4
130°-140°	748.6	5.1
140°-150°	574.6	3.9
150°-160°	413.8	2.8
160°-170°	253.2	1.7
170°-180°	85.5	0.6
0°-30°	2574.6	17.4
0°-40°	4214.0	28.5
0°-60°	7297.9	49.3
0°-90°	8990.9	60.8
90°-120°	2773.0	18.7
90°-150°	5050.3	34.1
90°-180°	5803.0	39.2
0°-180°	14793.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3466	3466	3466	3466	3466	
5°	3483	3591	3483	2824	3483	330
15°	3325	3558	3325	2971	3325	936
25°	2928	3319	2928	2906	2928	1345
35°	2227	2961	2227	2528	2227	1378
45°	1436	2440	1436	2141	1436	1151
55°	1171	1800	1171	1758	1171	1076
65°	813	1086	813	1213	813	777
75°	308	515	308	616	308	324
85°	52	131	52	112	52	71
90°	6	23	6	23	6	7
95°	58	264	58	264	58	64
105°	207	1796	207	1796	207	219
115°	367	2313	367	2313	367	363
125°	511	1842	511	1842	511	453
135°	608	1429	608	1429	608	471
145°	706	1160	706	1160	706	442
155°	798	998	798	998	798	367
165°	861	930	861	930	861	243
175°	895	901	895	901	895	85
180°	895	895	895	895	895	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3
2.5°	3495.8	3495.8	3515.4	3522.0	3522.0	3512.2	3502.4	3512.2	3541.7	3551.6	3548.3
5°	3482.7	3508.9	3545.0	3551.6	3558.1	3554.9	3548.3	3554.9	3587.6	3594.2	3597.5
7.5°	3456.4	3505.6	3551.6	3561.4	3571.2	3561.4	3558.1	3564.7	3597.5	3604.0	3604.0
10°	3423.7	3492.6	3545.0	3551.6	3561.4	3551.6	3551.6	3564.7	3597.5	3604.0	3607.3
12.5°	3377.7	3472.8	3522.0	3528.6	3541.7	3538.4	3535.2	3548.3	3581.0	3587.6	3587.6
15°	3325.3	3436.8	3482.7	3489.3	3512.2	3505.6	3505.6	3518.7	3554.9	3564.7	3561.4
17.5°	3253.1	3390.8	3443.3	3453.1	3469.6	3466.3	3469.6	3482.7	3515.4	3522.0	3525.3
20°	3171.1	3328.5	3390.8	3400.7	3417.1	3417.1	3417.1	3433.5	3466.3	3479.4	3479.4
22.5°	3059.6	3263.0	3328.5	3335.1	3354.8	3354.8	3361.4	3384.3	3413.8	3417.1	3417.1
25°	2928.5	3190.8	3246.5	3266.2	3285.9	3295.8	3305.6	3318.7	3328.5	3325.3	3328.5
27.5°	2790.7	3099.0	3171.1	3184.2	3210.5	3220.4	3233.5	3236.8	3240.0	3249.8	3243.2
30°	2636.6	2971.1	3079.3	3092.5	3135.1	3141.6	3128.5	3135.1	3151.5	3158.1	3164.6
32.5°	2462.8	2780.9	2984.2	3013.8	3053.1	3033.5	3030.2	3039.9	3066.2	3066.2	3072.8
35°	2226.7	2633.4	2895.7	2921.9	2951.4	2928.5	2941.6	2944.9	2961.3	2971.1	2967.9
37.5°	1967.7	2505.4	2803.9	2823.6	2846.5	2817.0	2836.7	2846.5	2859.6	2853.0	2853.0
40°	1738.1	2305.3	2695.7	2708.7	2728.4	2705.4	2725.1	2731.7	2738.3	2731.7	2728.4
42.5°	1567.6	2085.7	2580.8	2597.2	2584.1	2600.5	2607.1	2620.2	2610.4	2597.2	2597.2
45°	1436.3	2026.7	2456.2	2475.9	2456.2	2482.5	2492.4	2492.4	2462.8	2456.2	2452.9
47.5°	1393.7	1908.5	2331.6	2331.6	2321.8	2354.6	2370.9	2348.0	2318.5	2308.6	2308.6
50°	1390.4	1777.4	2161.1	2148.0	2193.9	2233.3	2216.9	2193.9	2170.9	2134.9	2134.9
52.5°	1262.5	1616.7	1941.4	1990.6	2062.7	2085.7	2059.4	2036.5	1997.1	1980.7	1967.7
55°	1170.7	1449.5	1741.4	1839.7	1915.1	1944.7	1895.5	1872.5	1813.5	1803.7	1797.1
57.5°	1151.1	1206.8	1557.7	1682.3	1774.1	1770.8	1741.4	1698.8	1649.5	1639.6	1636.4
60°	1055.9	872.3	1361.0	1508.5	1603.6	1593.8	1567.6	1528.2	1482.3	1475.7	1469.2
62.5°	957.6	633.0	1137.9	1305.1	1439.6	1436.3	1413.4	1354.4	1321.6	1305.1	1292.1
65°	813.3	531.3	810.0	1085.5	1279.0	1285.5	1236.3	1193.7	1157.6	1137.9	1134.7
67.5°	619.8	432.9	547.7	905.1	1124.8	1118.2	1055.9	1036.2	990.4	980.5	960.9
70°	459.1	288.6	380.4	734.6	973.9	957.6	908.3	885.5	842.8	819.9	806.7
72.5°	380.4	232.9	278.8	570.6	819.9	800.2	757.6	731.3	695.3	675.6	662.4
75°	308.2	245.9	213.2	423.1	665.7	652.6	613.3	587.0	557.5	531.3	534.5
77.5°	226.3	229.6	170.5	311.5	528.0	508.3	485.4	452.5	439.4	413.2	413.2
80°	170.5	180.3	127.9	213.2	380.4	380.4	360.8	337.8	314.8	301.7	301.7
82.5°	114.7	114.7	95.1	134.5	259.1	249.2	236.1	229.6	216.5	209.9	209.9
85°	52.4	65.6	59.0	82.0	141.0	147.6	147.6	141.0	137.7	131.2	134.5
87.5°	16.4	29.6	36.0	45.9	72.2	75.4	78.7	78.7	78.7	82.0	82.0
90°	6.0	10.9	15.7	16.9	26.5	39.2	45.6	40.6	30.4	22.9	22.9
92.5°	24.0	64.9	105.8	116.0	163.1	225.8	257.2	225.4	161.8	114.1	109.6
95°	57.7	132.5	207.2	225.9	401.1	634.7	751.6	670.6	508.8	387.5	373.7
97.5°	99.7	165.7	231.7	248.2	540.3	929.9	1124.6	1073.5	971.2	894.6	868.4
100°	132.2	192.0	251.8	266.8	591.0	1023.3	1239.4	1243.1	1250.6	1256.2	1225.0
102.5°	159.8	215.6	271.4	285.4	614.2	1052.6	1271.8	1336.9	1467.3	1565.0	1538.3
105°	206.7	254.0	301.2	313.0	631.4	1055.9	1268.2	1414.3	1706.3	1925.4	1911.1
107.5°	254.8	298.8	342.8	353.9	634.6	1008.9	1196.1	1399.8	1807.3	2112.9	2116.4
110°	287.2	326.9	366.7	376.7	629.8	967.3	1136.1	1363.8	1819.3	2161.0	2175.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	319.0	356.9	394.8	404.3	629.9	930.9	1081.4	1314.5	1780.7	2130.3	2153.3
115°	367.1	402.0	437.0	445.7	635.8	889.2	1015.9	1240.4	1689.5	2026.4	2058.3
117.5°	414.5	446.3	478.1	486.1	647.7	863.1	970.8	1173.5	1578.8	1882.8	1918.0
120°	442.2	472.0	501.9	509.4	657.2	854.3	952.8	1138.0	1508.3	1786.1	1820.4
122.5°	469.2	499.4	529.6	537.1	671.0	849.6	939.0	1105.7	1439.3	1689.4	1723.2
125°	510.7	538.2	565.6	572.5	689.6	845.8	923.9	1065.6	1348.8	1561.3	1592.6
127.5°	544.3	572.1	599.8	606.8	708.3	843.7	911.3	1033.0	1276.2	1458.6	1484.9
130°	562.3	592.2	622.1	629.6	721.9	845.1	906.6	1014.8	1231.4	1393.8	1418.1
132.5°	580.9	610.9	640.8	648.3	733.0	845.8	902.3	999.2	1193.1	1338.5	1360.3
135°	608.5	635.8	663.1	669.9	745.0	845.1	895.2	976.4	1138.7	1260.4	1279.2
137.5°	636.8	663.8	690.7	697.5	763.0	850.3	893.9	962.5	1099.8	1202.7	1218.0
140°	660.3	685.1	709.9	716.1	773.9	851.2	889.7	949.0	1067.5	1156.5	1170.8
142.5°	678.3	701.3	724.2	729.9	783.2	854.3	889.7	941.8	1045.9	1124.0	1136.3
145°	705.9	726.0	745.9	751.0	795.3	854.3	883.7	926.4	1011.5	1075.4	1084.7
147.5°	733.5	753.0	772.6	777.4	812.9	860.1	883.7	917.3	984.2	1034.5	1042.3
150°	751.6	769.2	786.8	791.2	822.0	863.2	883.7	912.0	968.6	1011.1	1017.4
152.5°	770.2	783.5	796.9	800.2	828.0	865.1	883.7	907.9	956.2	992.4	997.2
155°	797.8	807.7	817.5	820.1	841.3	869.6	883.7	902.9	941.4	970.3	973.4
157.5°	818.2	827.8	837.4	839.8	854.5	873.9	883.7	898.7	928.6	951.0	953.2
160°	832.1	839.5	847.0	848.8	860.5	876.0	883.7	896.5	922.2	941.4	942.6
162.5°	845.8	851.5	857.1	858.5	867.0	878.1	883.7	894.6	916.2	932.4	933.5
165°	860.9	865.9	871.0	872.3	876.1	881.2	883.7	891.5	907.0	918.6	919.9
167.5°	874.7	877.1	879.6	880.1	883.3	887.6	889.7	894.8	904.9	912.6	913.1
170°	883.7	886.2	888.6	889.2	889.3	889.6	889.7	894.8	904.9	912.6	912.6
172.5°	888.6	889.1	889.6	889.7	889.7	889.7	889.7	893.7	901.8	907.8	907.3
175°	895.2	895.2	895.2	895.2	893.3	890.9	889.7	892.3	897.4	901.2	901.2
177.5°	895.2	895.2	895.2	895.2	893.7	891.9	890.9	892.9	896.9	899.9	899.4
180°	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3
2.5°	3554.9	3545.0	3554.9	3548.3	3551.6	3541.7	3512.2	3502.4	3512.2	3522.0	3522.0
5°	3597.5	3590.9	3597.5	3597.5	3594.2	3587.6	3554.9	3548.3	3554.9	3558.1	3551.6
7.5°	3610.6	3600.7	3610.6	3604.0	3604.0	3597.5	3564.7	3558.1	3561.4	3571.2	3561.4
10°	3610.6	3600.7	3610.6	3607.3	3604.0	3597.5	3564.7	3551.6	3551.6	3561.4	3551.6
12.5°	3594.2	3587.6	3594.2	3587.6	3587.6	3581.0	3548.3	3535.2	3538.4	3541.7	3528.6
15°	3568.0	3558.1	3568.0	3561.4	3564.7	3554.9	3518.7	3505.6	3505.6	3512.2	3489.3
17.5°	3528.6	3515.4	3528.6	3525.3	3522.0	3515.4	3482.7	3469.6	3466.3	3469.6	3453.1
20°	3482.7	3472.8	3482.7	3479.4	3479.4	3466.3	3433.5	3417.1	3417.1	3417.1	3400.7
22.5°	3410.5	3400.7	3410.5	3417.1	3417.1	3413.8	3384.3	3361.4	3354.8	3354.8	3335.1
25°	3328.5	3318.7	3328.5	3328.5	3325.3	3328.5	3318.7	3305.6	3295.8	3285.9	3266.2
27.5°	3249.8	3243.2	3249.8	3243.2	3249.8	3240.0	3236.8	3233.5	3220.4	3210.5	3184.2
30°	3171.1	3164.6	3171.1	3164.6	3158.1	3151.5	3135.1	3128.5	3141.6	3135.1	3092.5
32.5°	3072.8	3066.2	3072.8	3072.8	3066.2	3066.2	3039.9	3030.2	3033.5	3053.1	3013.8
35°	2971.1	2961.3	2971.1	2967.9	2971.1	2961.3	2944.9	2941.6	2928.5	2951.4	2921.9
37.5°	2853.0	2843.2	2853.0	2853.0	2853.0	2859.6	2846.5	2836.7	2817.0	2846.5	2823.6
40°	2731.7	2718.6	2731.7	2728.4	2731.7	2738.3	2731.7	2725.1	2705.4	2728.4	2708.7
42.5°	2594.0	2590.7	2594.0	2597.2	2597.2	2610.4	2620.2	2607.1	2600.5	2584.1	2597.2
45°	2446.4	2439.8	2446.4	2452.9	2456.2	2462.8	2492.4	2492.4	2482.5	2456.2	2475.9
47.5°	2289.0	2272.6	2289.0	2308.6	2308.6	2318.5	2348.0	2370.9	2354.6	2321.8	2331.6
50°	2121.7	2125.0	2121.7	2134.9	2134.9	2170.9	2193.9	2216.9	2233.3	2193.9	2148.0
52.5°	1957.8	1954.5	1957.8	1967.7	1980.7	1997.1	2036.5	2059.4	2085.7	2062.7	1990.6
55°	1793.8	1800.4	1793.8	1797.1	1803.7	1813.5	1872.5	1895.5	1944.7	1915.1	1839.7
57.5°	1629.9	1620.0	1629.9	1636.4	1639.6	1649.5	1698.8	1741.4	1770.8	1774.1	1682.3
60°	1439.6	1426.6	1439.6	1469.2	1475.7	1482.3	1528.2	1567.6	1593.8	1603.6	1508.5
62.5°	1272.4	1249.4	1272.4	1292.1	1305.1	1321.6	1354.4	1413.4	1436.3	1439.6	1305.1
65°	1095.3	1085.5	1095.3	1134.7	1137.9	1157.6	1193.7	1236.3	1285.5	1279.0	1085.5
67.5°	934.6	934.6	934.6	960.9	980.5	990.4	1036.2	1055.9	1118.2	1124.8	905.1
70°	787.0	783.7	787.0	806.7	819.9	842.8	885.5	908.3	957.6	973.9	734.6
72.5°	646.0	642.7	646.0	662.4	675.6	695.3	731.3	757.6	800.2	819.9	570.6
75°	521.4	514.8	521.4	534.5	531.3	557.5	587.0	613.3	652.6	665.7	423.1
77.5°	400.1	400.1	400.1	413.2	413.2	439.4	452.5	485.4	508.3	528.0	311.5
80°	298.5	295.2	298.5	301.7	301.7	314.8	337.8	360.8	380.4	380.4	213.2
82.5°	209.9	203.3	209.9	209.9	209.9	216.5	229.6	236.1	249.2	259.1	134.5
85°	131.2	131.2	131.2	134.5	131.2	137.7	141.0	147.6	147.6	141.0	82.0
87.5°	85.3	82.0	85.3	82.0	82.0	78.7	78.7	78.7	75.4	72.2	45.9
90°	22.9	22.9	22.9	22.9	22.9	30.4	40.6	45.6	39.2	26.5	16.9
92.5°	91.5	73.3	91.5	109.6	114.1	161.8	225.4	257.2	225.8	163.1	116.0
95°	318.8	263.8	318.8	373.7	387.5	508.8	670.6	751.6	634.7	401.1	225.9
97.5°	763.7	659.0	763.7	868.4	894.6	971.2	1073.5	1124.6	929.9	540.3	248.2
100°	1100.4	975.7	1100.4	1225.0	1256.2	1250.6	1243.1	1239.4	1023.3	591.0	266.8
102.5°	1431.5	1324.7	1431.5	1538.3	1565.0	1467.3	1336.9	1271.8	1052.6	614.2	285.4
105°	1853.6	1796.2	1853.6	1911.1	1925.4	1706.3	1414.3	1268.2	1055.9	631.4	313.0
107.5°	2130.2	2144.1	2130.2	2116.4	2112.9	1807.3	1399.8	1196.1	1008.9	634.6	353.9
110°	2235.8	2295.6	2235.8	2175.9	2161.0	1819.3	1363.8	1136.1	967.3	629.8	376.7



TEST NUMBER: P935000

CATALOG NUMBER: SQ4-FA-075U-125D-B35-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2245.1	2336.9	2245.1	2153.3	2130.3	1780.7	1314.5	1081.4	930.9	629.9	404.3
115°	2185.6	2312.9	2185.6	2058.3	2026.4	1689.5	1240.4	1015.9	889.2	635.8	445.7
117.5°	2059.3	2200.6	2059.3	1918.0	1882.8	1578.8	1173.5	970.8	863.1	647.7	486.1
120°	1957.7	2094.9	1957.7	1820.4	1786.1	1508.3	1138.0	952.8	854.3	657.2	509.4
122.5°	1858.5	1993.9	1858.5	1723.2	1689.4	1439.3	1105.7	939.0	849.6	671.0	537.1
125°	1717.3	1842.0	1717.3	1592.6	1561.3	1348.8	1065.6	923.9	845.8	689.6	572.5
127.5°	1590.1	1695.4	1590.1	1484.9	1458.6	1276.2	1033.0	911.3	843.7	708.3	606.8
130°	1515.2	1612.4	1515.2	1418.1	1393.8	1231.4	1014.8	906.6	845.1	721.9	629.6
132.5°	1447.3	1534.3	1447.3	1360.3	1338.5	1193.1	999.2	902.3	845.8	733.0	648.3
135°	1354.2	1429.2	1354.2	1279.2	1260.4	1138.7	976.4	895.2	845.1	745.0	669.9
137.5°	1279.5	1340.9	1279.5	1218.0	1202.7	1099.8	962.5	893.9	850.3	763.0	697.5
140°	1228.3	1285.7	1228.3	1170.8	1156.5	1067.5	949.0	889.7	851.2	773.9	716.1
142.5°	1185.8	1235.2	1185.8	1136.3	1124.0	1045.9	941.8	889.7	854.3	783.2	729.9
145°	1122.1	1159.5	1122.1	1084.7	1075.4	1011.5	926.4	883.7	854.3	795.3	751.0
147.5°	1073.2	1104.2	1073.2	1042.3	1034.5	984.2	917.3	883.7	860.1	812.9	777.4
150°	1042.5	1067.5	1042.5	1017.4	1011.1	968.6	912.0	883.7	863.2	822.0	791.2
152.5°	1016.1	1035.1	1016.1	997.2	992.4	956.2	907.9	883.7	865.1	828.0	800.2
155°	986.0	998.5	986.0	973.4	970.3	941.4	902.9	883.7	869.6	841.3	820.1
157.5°	962.0	970.8	962.0	953.2	951.0	928.6	898.7	883.7	873.9	854.5	839.8
160°	947.8	952.8	947.8	942.6	941.4	922.2	896.5	883.7	876.0	860.5	848.8
162.5°	938.4	943.2	938.4	933.5	932.4	916.2	894.6	883.7	878.1	867.0	858.5
165°	924.9	929.9	924.9	919.9	918.6	907.0	891.5	883.7	881.2	876.1	872.3
167.5°	915.2	917.4	915.2	913.1	912.6	904.9	894.8	889.7	887.6	883.3	880.1
170°	912.6	912.6	912.6	912.6	912.6	904.9	894.8	889.7	889.6	889.3	889.2
172.5°	905.4	903.6	905.4	907.3	907.8	901.8	893.7	889.7	889.7	889.7	889.7
175°	901.2	901.2	901.2	901.2	901.2	897.4	892.3	889.7	890.9	893.3	895.2
177.5°	897.3	895.2	897.3	899.4	899.9	896.9	892.9	890.9	891.9	893.7	895.2
180°	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3
2.5°	3515.4	3495.8	3495.8	3463.0	3449.9	3440.0	3423.7	3374.4	3361.4	3348.2	3368.0
5°	3545.0	3508.9	3482.7	3423.7	3374.4	3354.8	3292.5	3174.4	3095.8	3036.7	3003.9
7.5°	3551.6	3505.6	3456.4	3364.7	3246.5	3194.1	3003.9	2787.4	2728.4	2676.0	2643.1
10°	3545.0	3492.6	3423.7	3285.9	3007.2	2915.3	2725.1	2584.1	2548.1	2538.2	2548.1
12.5°	3522.0	3472.8	3377.7	3148.2	2758.0	2695.7	2584.1	2502.2	2495.6	2512.0	2600.5
15°	3482.7	3436.8	3325.3	2964.6	2620.2	2574.3	2495.6	2466.1	2502.2	2617.0	2882.6
17.5°	3443.3	3390.8	3253.1	2784.2	2515.2	2482.5	2426.8	2485.8	2689.1	2843.2	2931.7
20°	3390.8	3328.5	3171.1	2653.0	2439.8	2410.3	2384.1	2649.7	2803.9	2859.6	2908.8
22.5°	3328.5	3263.0	3059.6	2561.2	2361.2	2338.2	2354.6	2741.6	2803.9	2843.2	2885.9
25°	3246.5	3190.8	2928.5	2489.1	2298.9	2272.6	2334.9	2731.7	2767.8	2777.6	2862.9
27.5°	3171.1	3099.0	2790.7	2423.5	2223.4	2213.6	2351.3	2689.1	2715.3	2725.1	2817.0
30°	3079.3	2971.1	2636.6	2354.6	2144.7	2141.4	2354.6	2636.6	2630.1	2656.3	2748.1
32.5°	2984.2	2780.9	2462.8	2269.3	2069.3	2066.0	2331.6	2557.9	2551.4	2587.4	2656.3
35°	2895.7	2633.4	2226.7	2170.9	1974.1	1977.4	2275.9	2466.1	2469.4	2502.2	2544.8
37.5°	2803.9	2505.4	1967.7	2062.7	1882.4	1882.4	2200.4	2380.8	2374.2	2384.1	2443.1
40°	2695.7	2305.3	1738.1	1921.7	1797.1	1787.2	2108.6	2289.0	2266.0	2262.8	2344.8
42.5°	2580.8	2085.7	1567.6	1734.8	1698.8	1685.6	1997.1	2177.5	2134.9	2144.7	2249.6
45°	2456.2	2026.7	1436.3	1465.9	1597.0	1587.2	1875.8	2049.6	2020.1	2046.3	2154.6
47.5°	2331.6	1908.5	1393.7	1216.7	1488.9	1485.6	1741.4	1925.0	1908.5	1934.8	2049.6
50°	2161.1	1777.4	1390.4	1042.8	1367.5	1380.6	1580.6	1803.7	1803.7	1826.6	1948.0
52.5°	1941.4	1616.7	1262.5	944.5	1226.5	1265.8	1439.6	1698.8	1705.2	1728.2	1836.4
55°	1741.4	1449.5	1170.7	869.0	1059.2	1144.5	1301.9	1590.5	1603.6	1626.6	1724.9
57.5°	1557.7	1206.8	1151.1	780.5	905.1	987.1	1180.5	1485.6	1492.1	1511.8	1606.9
60°	1361.0	872.3	1055.9	685.4	770.6	833.0	1069.1	1361.0	1383.9	1397.0	1479.0
62.5°	1137.9	633.0	957.6	619.8	705.0	718.2	977.2	1242.8	1272.4	1282.3	1331.4
65°	810.0	531.3	813.3	564.1	636.1	639.4	878.9	1121.5	1147.8	1164.2	1200.2
67.5°	547.7	432.9	619.8	511.5	583.7	587.0	783.7	980.5	1016.6	1029.8	1052.7
70°	380.4	288.6	459.1	455.8	524.7	531.3	682.1	852.6	885.5	895.3	908.3
72.5°	278.8	232.9	380.4	409.9	462.4	469.0	577.1	708.3	741.1	751.0	757.6
75°	213.2	245.9	308.2	357.5	393.5	396.8	472.2	577.1	600.1	606.7	610.0
77.5°	170.5	229.6	226.3	288.6	321.4	314.8	370.5	446.0	465.7	465.7	465.7
80°	127.9	180.3	170.5	206.6	236.1	229.6	265.6	318.1	324.6	331.2	327.9
82.5°	95.1	114.7	114.7	131.2	157.4	150.9	177.1	206.6	206.6	206.6	213.2
85°	59.0	65.6	52.4	68.9	88.6	85.3	98.4	111.5	114.7	114.7	108.2
87.5°	36.0	29.6	16.4	26.3	39.3	39.3	45.9	49.2	45.9	45.9	45.9
90°	15.7	10.9	6.0	10.9	15.7	16.9	26.5	39.2	45.6	40.6	30.4
92.5°	105.8	64.9	24.0	64.9	105.8	116.0	163.1	225.8	257.2	225.4	161.8
95°	207.2	132.5	57.7	132.5	207.2	225.9	401.1	634.7	751.6	670.6	508.8
97.5°	231.7	165.7	99.7	165.7	231.7	248.2	540.3	929.9	1124.6	1073.5	971.2
100°	251.8	192.0	132.2	192.0	251.8	266.8	591.0	1023.3	1239.4	1243.1	1250.6
102.5°	271.4	215.6	159.8	215.6	271.4	285.4	614.2	1052.6	1271.8	1336.9	1467.3
105°	301.2	254.0	206.7	254.0	301.2	313.0	631.4	1055.9	1268.2	1414.3	1706.3
107.5°	342.8	298.8	254.8	298.8	342.8	353.9	634.6	1008.9	1196.1	1399.8	1807.3
110°	366.7	326.9	287.2	326.9	366.7	376.7	629.8	967.3	1136.1	1363.8	1819.3



TEST NUMBER: P935000

CATALOG NUMBER: SQ4-FA-075U-125D-B35-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	394.8	356.9	319.0	356.9	394.8	404.3	629.9	930.9	1081.4	1314.5	1780.7
115°	437.0	402.0	367.1	402.0	437.0	445.7	635.8	889.2	1015.9	1240.4	1689.5
117.5°	478.1	446.3	414.5	446.3	478.1	486.1	647.7	863.1	970.8	1173.5	1578.8
120°	501.9	472.0	442.2	472.0	501.9	509.4	657.2	854.3	952.8	1138.0	1508.3
122.5°	529.6	499.4	469.2	499.4	529.6	537.1	671.0	849.6	939.0	1105.7	1439.3
125°	565.6	538.2	510.7	538.2	565.6	572.5	689.6	845.8	923.9	1065.6	1348.8
127.5°	599.8	572.1	544.3	572.1	599.8	606.8	708.3	843.7	911.3	1033.0	1276.2
130°	622.1	592.2	562.3	592.2	622.1	629.6	721.9	845.1	906.6	1014.8	1231.4
132.5°	640.8	610.9	580.9	610.9	640.8	648.3	733.0	845.8	902.3	999.2	1193.1
135°	663.1	635.8	608.5	635.8	663.1	669.9	745.0	845.1	895.2	976.4	1138.7
137.5°	690.7	663.8	636.8	663.8	690.7	697.5	763.0	850.3	893.9	962.5	1099.8
140°	709.9	685.1	660.3	685.1	709.9	716.1	773.9	851.2	889.7	949.0	1067.5
142.5°	724.2	701.3	678.3	701.3	724.2	729.9	783.2	854.3	889.7	941.8	1045.9
145°	745.9	726.0	705.9	726.0	745.9	751.0	795.3	854.3	883.7	926.4	1011.5
147.5°	772.6	753.0	733.5	753.0	772.6	777.4	812.9	860.1	883.7	917.3	984.2
150°	786.8	769.2	751.6	769.2	786.8	791.2	822.0	863.2	883.7	912.0	968.6
152.5°	796.9	783.5	770.2	783.5	796.9	800.2	828.0	865.1	883.7	907.9	956.2
155°	817.5	807.7	797.8	807.7	817.5	820.1	841.3	869.6	883.7	902.9	941.4
157.5°	837.4	827.8	818.2	827.8	837.4	839.8	854.5	873.9	883.7	898.7	928.6
160°	847.0	839.5	832.1	839.5	847.0	848.8	860.5	876.0	883.7	896.5	922.2
162.5°	857.1	851.5	845.8	851.5	857.1	858.5	867.0	878.1	883.7	894.6	916.2
165°	871.0	865.9	860.9	865.9	871.0	872.3	876.1	881.2	883.7	891.5	907.0
167.5°	879.6	877.1	874.7	877.1	879.6	880.1	883.3	887.6	889.7	894.8	904.9
170°	888.6	886.2	883.7	886.2	888.6	889.2	889.3	889.6	889.7	894.8	904.9
172.5°	889.6	889.1	888.6	889.1	889.6	889.7	889.7	889.7	889.7	893.7	901.8
175°	895.2	895.2	895.2	895.2	895.2	895.2	893.3	890.9	889.7	892.3	897.4
177.5°	895.2	895.2	895.2	895.2	895.2	895.2	893.7	891.9	890.9	892.9	896.9
180°	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2



TEST NUMBER: P935000
 CATALOG NUMBER: SQ4-FA-075U-125D-B35-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3	3466.3
2.5°	3345.0	3335.1	3348.2	3312.1	3348.2	3335.1	3345.0	3368.0	3348.2	3361.4	3374.4
5°	2935.0	2918.6	2866.2	2823.6	2866.2	2918.6	2935.0	3003.9	3036.7	3095.8	3174.4
7.5°	2623.5	2610.4	2597.2	2571.0	2597.2	2610.4	2623.5	2643.1	2676.0	2728.4	2787.4
10°	2554.7	2557.9	2577.5	2574.3	2577.5	2557.9	2554.7	2548.1	2538.2	2548.1	2584.1
12.5°	2731.7	2761.3	2869.4	2862.9	2869.4	2761.3	2731.7	2600.5	2512.0	2495.6	2502.2
15°	2935.0	2944.9	2967.9	2971.1	2967.9	2944.9	2935.0	2882.6	2617.0	2502.2	2466.1
17.5°	2954.7	2958.0	2974.3	2974.3	2974.3	2958.0	2954.7	2931.7	2843.2	2689.1	2485.8
20°	2938.3	2944.9	2977.6	2984.2	2977.6	2944.9	2938.3	2908.8	2859.6	2803.9	2649.7
22.5°	2931.7	2944.9	2971.1	2967.9	2971.1	2944.9	2931.7	2885.9	2843.2	2803.9	2741.6
25°	2899.0	2899.0	2902.3	2905.5	2902.3	2899.0	2899.0	2862.9	2777.6	2767.8	2731.7
27.5°	2830.1	2836.7	2856.3	2853.0	2856.3	2836.7	2830.1	2817.0	2725.1	2715.3	2689.1
30°	2767.8	2761.3	2744.8	2731.7	2744.8	2761.3	2767.8	2748.1	2656.3	2630.1	2636.6
32.5°	2662.8	2646.4	2630.1	2620.2	2630.1	2646.4	2662.8	2656.3	2587.4	2551.4	2557.9
35°	2538.2	2541.5	2538.2	2528.4	2538.2	2541.5	2538.2	2544.8	2502.2	2469.4	2466.1
37.5°	2449.7	2456.2	2452.9	2439.8	2452.9	2456.2	2449.7	2443.1	2384.1	2374.2	2380.8
40°	2357.9	2361.2	2357.9	2348.0	2357.9	2361.2	2357.9	2344.8	2262.8	2266.0	2289.0
42.5°	2269.3	2266.0	2256.2	2249.6	2256.2	2266.0	2269.3	2249.6	2144.7	2134.9	2177.5
45°	2167.7	2170.9	2151.3	2141.4	2151.3	2170.9	2167.7	2154.6	2046.3	2020.1	2049.6
47.5°	2066.0	2066.0	2049.6	2039.7	2049.6	2066.0	2066.0	2049.6	1934.8	1908.5	1925.0
50°	1957.8	1954.5	1931.5	1928.3	1931.5	1954.5	1957.8	1948.0	1826.6	1803.7	1803.7
52.5°	1833.2	1833.2	1836.4	1843.0	1836.4	1833.2	1833.2	1836.4	1728.2	1705.2	1698.8
55°	1724.9	1728.2	1751.2	1757.8	1751.2	1728.2	1724.9	1724.9	1626.6	1603.6	1590.5
57.5°	1613.5	1613.5	1629.9	1629.9	1629.9	1613.5	1613.5	1606.9	1511.8	1492.1	1485.6
60°	1485.6	1492.1	1505.2	1502.0	1505.2	1492.1	1485.6	1479.0	1397.0	1383.9	1361.0
62.5°	1351.1	1357.7	1361.0	1354.4	1361.0	1357.7	1351.1	1331.4	1282.3	1272.4	1242.8
65°	1210.1	1216.7	1220.0	1213.4	1220.0	1216.7	1210.1	1200.2	1164.2	1147.8	1121.5
67.5°	1065.8	1062.5	1059.2	1072.4	1059.2	1062.5	1065.8	1052.7	1029.8	1016.6	980.5
70°	918.2	918.2	914.9	921.5	914.9	918.2	918.2	908.3	895.3	885.5	852.6
72.5°	760.9	757.6	770.6	760.9	770.6	757.6	760.9	757.6	751.0	741.1	708.3
75°	606.7	613.3	606.7	616.5	606.7	613.3	606.7	610.0	606.7	600.1	577.1
77.5°	462.4	469.0	462.4	462.4	462.4	469.0	462.4	465.7	465.7	465.7	446.0
80°	327.9	324.6	324.6	321.4	324.6	324.6	327.9	327.9	331.2	324.6	318.1
82.5°	209.9	206.6	206.6	213.2	206.6	206.6	209.9	213.2	206.6	206.6	206.6
85°	114.7	118.0	111.5	111.5	111.5	118.0	114.7	108.2	114.7	114.7	111.5
87.5°	42.6	39.3	39.3	39.3	39.3	39.3	42.6	45.9	45.9	45.9	49.2
90°	22.9	22.9	22.9	22.9	22.9	22.9	22.9	30.4	40.6	45.6	39.2
92.5°	114.1	109.6	91.5	73.3	91.5	109.6	114.1	161.8	225.4	257.2	225.8
95°	387.5	373.7	318.8	263.8	318.8	373.7	387.5	508.8	670.6	751.6	634.7
97.5°	894.6	868.4	763.7	659.0	763.7	868.4	894.6	971.2	1073.5	1124.6	929.9
100°	1256.2	1225.0	1100.4	975.7	1100.4	1225.0	1256.2	1250.6	1243.1	1239.4	1023.3
102.5°	1565.0	1538.3	1431.5	1324.7	1431.5	1538.3	1565.0	1467.3	1336.9	1271.8	1052.6
105°	1925.4	1911.1	1853.6	1796.2	1853.6	1911.1	1925.4	1706.3	1414.3	1268.2	1055.9
107.5°	2112.9	2116.4	2130.2	2144.1	2130.2	2116.4	2112.9	1807.3	1399.8	1196.1	1008.9
110°	2161.0	2175.9	2235.8	2295.6	2235.8	2175.9	2161.0	1819.3	1363.8	1136.1	967.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2130.3	2153.3	2245.1	2336.9	2245.1	2153.3	2130.3	1780.7	1314.5	1081.4	930.9
115°	2026.4	2058.3	2185.6	2312.9	2185.6	2058.3	2026.4	1689.5	1240.4	1015.9	889.2
117.5°	1882.8	1918.0	2059.3	2200.6	2059.3	1918.0	1882.8	1578.8	1173.5	970.8	863.1
120°	1786.1	1820.4	1957.7	2094.9	1957.7	1820.4	1786.1	1508.3	1138.0	952.8	854.3
122.5°	1689.4	1723.2	1858.5	1993.9	1858.5	1723.2	1689.4	1439.3	1105.7	939.0	849.6
125°	1561.3	1592.6	1717.3	1842.0	1717.3	1592.6	1561.3	1348.8	1065.6	923.9	845.8
127.5°	1458.6	1484.9	1590.1	1695.4	1590.1	1484.9	1458.6	1276.2	1033.0	911.3	843.7
130°	1393.8	1418.1	1515.2	1612.4	1515.2	1418.1	1393.8	1231.4	1014.8	906.6	845.1
132.5°	1338.5	1360.3	1447.3	1534.3	1447.3	1360.3	1338.5	1193.1	999.2	902.3	845.8
135°	1260.4	1279.2	1354.2	1429.2	1354.2	1279.2	1260.4	1138.7	976.4	895.2	845.1
137.5°	1202.7	1218.0	1279.5	1340.9	1279.5	1218.0	1202.7	1099.8	962.5	893.9	850.3
140°	1156.5	1170.8	1228.3	1285.7	1228.3	1170.8	1156.5	1067.5	949.0	889.7	851.2
142.5°	1124.0	1136.3	1185.8	1235.2	1185.8	1136.3	1124.0	1045.9	941.8	889.7	854.3
145°	1075.4	1084.7	1122.1	1159.5	1122.1	1084.7	1075.4	1011.5	926.4	883.7	854.3
147.5°	1034.5	1042.3	1073.2	1104.2	1073.2	1042.3	1034.5	984.2	917.3	883.7	860.1
150°	1011.1	1017.4	1042.5	1067.5	1042.5	1017.4	1011.1	968.6	912.0	883.7	863.2
152.5°	992.4	997.2	1016.1	1035.1	1016.1	997.2	992.4	956.2	907.9	883.7	865.1
155°	970.3	973.4	986.0	998.5	986.0	973.4	970.3	941.4	902.9	883.7	869.6
157.5°	951.0	953.2	962.0	970.8	962.0	953.2	951.0	928.6	898.7	883.7	873.9
160°	941.4	942.6	947.8	952.8	947.8	942.6	941.4	922.2	896.5	883.7	876.0
162.5°	932.4	933.5	938.4	943.2	938.4	933.5	932.4	916.2	894.6	883.7	878.1
165°	918.6	919.9	924.9	929.9	924.9	919.9	918.6	907.0	891.5	883.7	881.2
167.5°	912.6	913.1	915.2	917.4	915.2	913.1	912.6	904.9	894.8	889.7	887.6
170°	912.6	912.6	912.6	912.6	912.6	912.6	912.6	904.9	894.8	889.7	889.6
172.5°	907.8	907.3	905.4	903.6	905.4	907.3	907.8	901.8	893.7	889.7	889.7
175°	901.2	901.2	901.2	901.2	901.2	901.2	901.2	897.4	892.3	889.7	890.9
177.5°	899.9	899.4	897.3	895.2	897.3	899.4	899.9	896.9	892.9	890.9	891.9
180°	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2	895.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3466.3	3466.3	3466.3	3466.3	3466.3
2.5°	3423.7	3440.0	3449.9	3463.0	3495.8
5°	3292.5	3354.8	3374.4	3423.7	3482.7
7.5°	3003.9	3194.1	3246.5	3364.7	3456.4
10°	2725.1	2915.3	3007.2	3285.9	3423.7
12.5°	2584.1	2695.7	2758.0	3148.2	3377.7
15°	2495.6	2574.3	2620.2	2964.6	3325.3
17.5°	2426.8	2482.5	2515.2	2784.2	3253.1
20°	2384.1	2410.3	2439.8	2653.0	3171.1
22.5°	2354.6	2338.2	2361.2	2561.2	3059.6
25°	2334.9	2272.6	2298.9	2489.1	2928.5
27.5°	2351.3	2213.6	2223.4	2423.5	2790.7
30°	2354.6	2141.4	2144.7	2354.6	2636.6
32.5°	2331.6	2066.0	2069.3	2269.3	2462.8
35°	2275.9	1977.4	1974.1	2170.9	2226.7
37.5°	2200.4	1882.4	1882.4	2062.7	1967.7
40°	2108.6	1787.2	1797.1	1921.7	1738.1
42.5°	1997.1	1685.6	1698.8	1734.8	1567.6
45°	1875.8	1587.2	1597.0	1465.9	1436.3
47.5°	1741.4	1485.6	1488.9	1216.7	1393.7
50°	1580.6	1380.6	1367.5	1042.8	1390.4
52.5°	1439.6	1265.8	1226.5	944.5	1262.5
55°	1301.9	1144.5	1059.2	869.0	1170.7
57.5°	1180.5	987.1	905.1	780.5	1151.1
60°	1069.1	833.0	770.6	685.4	1055.9
62.5°	977.2	718.2	705.0	619.8	957.6
65°	878.9	639.4	636.1	564.1	813.3
67.5°	783.7	587.0	583.7	511.5	619.8
70°	682.1	531.3	524.7	455.8	459.1
72.5°	577.1	469.0	462.4	409.9	380.4
75°	472.2	396.8	393.5	357.5	308.2
77.5°	370.5	314.8	321.4	288.6	226.3
80°	265.6	229.6	236.1	206.6	170.5
82.5°	177.1	150.9	157.4	131.2	114.7
85°	98.4	85.3	88.6	68.9	52.4
87.5°	45.9	39.3	39.3	26.3	16.4
90°	26.5	16.9	15.7	10.9	6.0
92.5°	163.1	116.0	105.8	64.9	24.0
95°	401.1	225.9	207.2	132.5	57.7
97.5°	540.3	248.2	231.7	165.7	99.7
100°	591.0	266.8	251.8	192.0	132.2
102.5°	614.2	285.4	271.4	215.6	159.8
105°	631.4	313.0	301.2	254.0	206.7
107.5°	634.6	353.9	342.8	298.8	254.8
110°	629.8	376.7	366.7	326.9	287.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	629.9	404.3	394.8	356.9	319.0
115°	635.8	445.7	437.0	402.0	367.1
117.5°	647.7	486.1	478.1	446.3	414.5
120°	657.2	509.4	501.9	472.0	442.2
122.5°	671.0	537.1	529.6	499.4	469.2
125°	689.6	572.5	565.6	538.2	510.7
127.5°	708.3	606.8	599.8	572.1	544.3
130°	721.9	629.6	622.1	592.2	562.3
132.5°	733.0	648.3	640.8	610.9	580.9
135°	745.0	669.9	663.1	635.8	608.5
137.5°	763.0	697.5	690.7	663.8	636.8
140°	773.9	716.1	709.9	685.1	660.3
142.5°	783.2	729.9	724.2	701.3	678.3
145°	795.3	751.0	745.9	726.0	705.9
147.5°	812.9	777.4	772.6	753.0	733.5
150°	822.0	791.2	786.8	769.2	751.6
152.5°	828.0	800.2	796.9	783.5	770.2
155°	841.3	820.1	817.5	807.7	797.8
157.5°	854.5	839.8	837.4	827.8	818.2
160°	860.5	848.8	847.0	839.5	832.1
162.5°	867.0	858.5	857.1	851.5	845.8
165°	876.1	872.3	871.0	865.9	860.9
167.5°	883.3	880.1	879.6	877.1	874.7
170°	889.3	889.2	888.6	886.2	883.7
172.5°	889.7	889.7	889.6	889.1	888.6
175°	893.3	895.2	895.2	895.2	895.2
177.5°	893.7	895.2	895.2	895.2	895.2
180°	895.2	895.2	895.2	895.2	895.2



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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	15.40	16.36	16.26	17.24	18.35	18.23	19.20	19.09	20.08	21.19
	3H	15.88	16.75	16.75	17.64	18.77	19.59	20.46	20.46	21.35	22.48
	4H	16.08	16.90	16.97	17.79	18.94	20.04	20.86	20.93	21.76	22.90
	6H	16.20	16.96	17.10	17.86	19.02	20.33	21.09	21.23	21.99	23.15
	8H	16.21	16.93	17.11	17.85	19.00	20.41	21.13	21.32	22.05	23.21
	12H	16.18	16.87	17.09	17.78	18.96	20.46	21.14	21.37	22.06	23.24
4H	2H	16.44	17.26	17.34	18.16	19.30	18.66	19.48	19.55	20.37	21.52
	3H	17.48	18.16	18.38	19.09	20.25	20.17	20.86	21.08	21.79	22.95
	4H	17.76	18.38	18.68	19.31	20.49	20.71	21.33	21.62	22.25	23.44
	6H	17.89	18.43	18.82	19.38	20.56	21.08	21.62	22.01	22.57	23.75
	8H	17.90	18.40	18.83	19.34	20.54	21.19	21.69	22.12	22.64	23.84
	12H	17.87	18.33	18.82	19.28	20.49	21.26	21.71	22.21	22.67	23.87
8H	4H	18.23	18.73	19.16	19.67	20.87	20.84	21.34	21.77	22.28	23.49
	6H	18.49	18.91	19.45	19.89	21.09	21.28	21.70	22.24	22.68	23.88
	8H	18.53	18.90	19.50	19.88	21.09	21.44	21.81	22.41	22.78	24.00
	12H	18.52	18.85	19.49	19.81	21.08	21.54	21.87	22.51	22.83	24.10
12H	4H	18.24	18.69	19.19	19.65	20.85	20.81	21.26	21.76	22.22	23.43
	6H	18.55	18.92	19.52	19.89	21.11	21.28	21.65	22.25	22.62	23.84
	8H	18.62	18.95	19.60	19.91	21.18	21.45	21.77	22.42	22.74	24.01