

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: P934916

Luminaire Tested: SQ4-FA-075U-125D-835-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934916
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-835-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

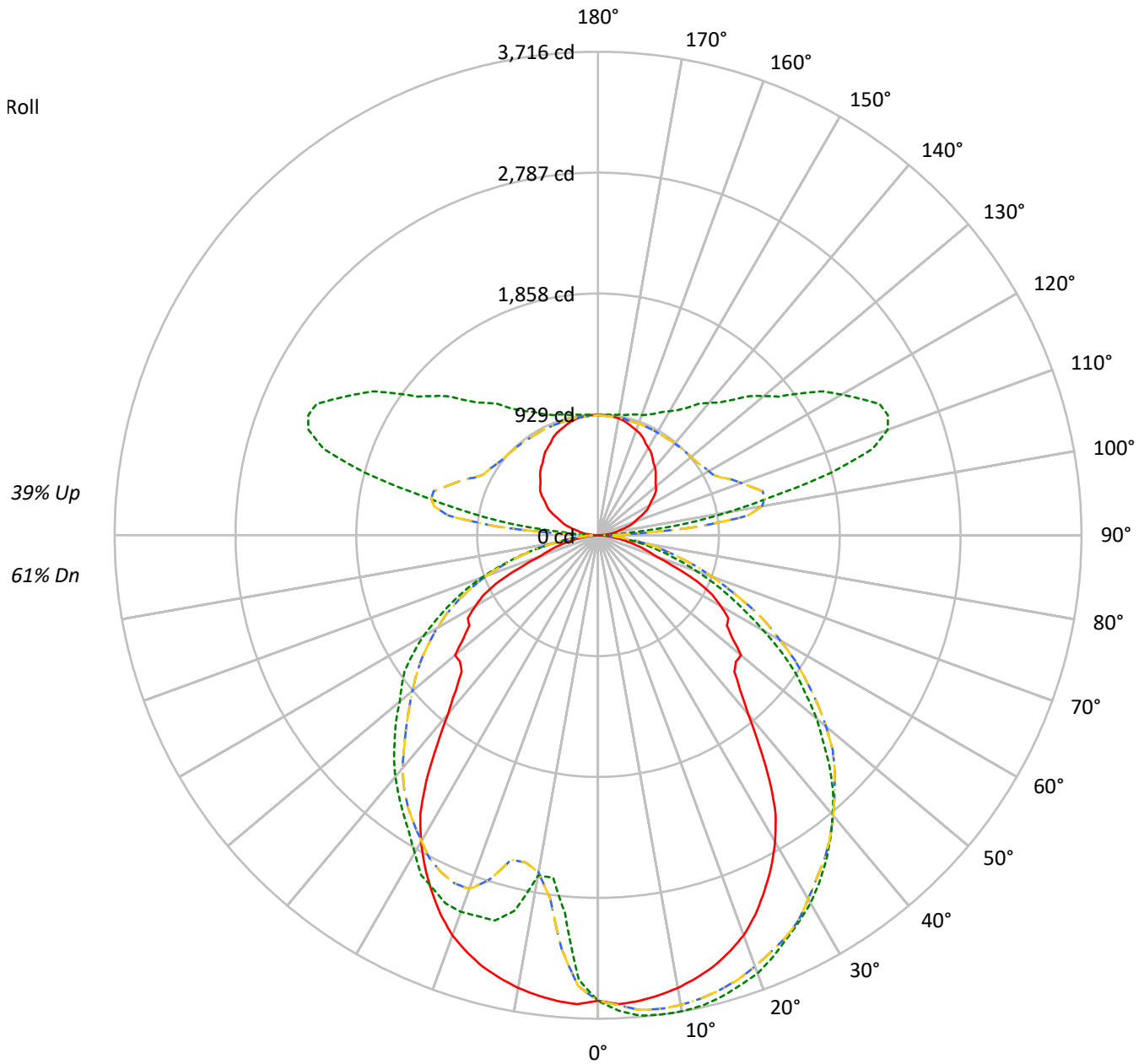
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15267.0 lumens
Efficiency: N/A
Efficacy: 123.1 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			
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
RCR																				
0	110	110	110	110	103	103	103	103	89	89	89	77	77	77	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	51
2	91	84	78	72	85	79	73	68	69	65	61	60	57	54	52	49	47	47	47	43
3	83	74	66	60	78	69	63	57	61	56	51	53	49	46	46	43	40	40	40	36
4	76	65	57	51	71	61	54	49	54	48	44	47	43	39	41	37	35	35	35	31
5	70	58	50	44	65	55	47	42	48	42	38	42	38	34	37	33	30	30	30	27
6	65	52	44	38	60	49	42	36	44	37	33	38	33	30	33	29	26	26	26	24
7	60	47	39	33	56	45	37	32	39	33	29	35	30	26	30	26	23	23	23	21
8	55	43	35	29	52	40	33	28	36	30	26	32	27	23	28	24	21	21	21	19
9	52	39	31	26	48	37	30	25	33	27	23	29	24	21	26	22	19	19	19	17
10	48	36	29	24	45	34	27	23	30	25	21	27	22	19	24	20	17	17	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16597	16597	16597	16597
5°	16721	16754	16721	13174
10°	16609	16503	16609	11799
15°	16428	16145	16428	13482
20°	16085	15722	16085	13510
25°	15382	15104	15382	13224
30°	14473	14591	14473	12595
35°	12902	13943	12902	11905
40°	10751	13179	10751	11382
45°	9606	12285	9606	10782
50°	10205	11219	10205	10180
55°	9602	10070	9602	9832
60°	9897	8553	9897	9005
65°	8974	7070	8974	7903
70°	6214	5634	6214	6625
75°	5448	4165	5448	4987
80°	4391	2754	4391	2999
85°	2520	1459	2520	1240

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14723 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.9	2.1
10°-20°	916.8	6.0
20°-30°	1417.2	9.3
30°-40°	1691.9	11.1
40°-50°	1701.8	11.1
50°-60°	1480.8	9.7
60°-70°	1049.9	6.9
70°-80°	555.5	3.6
80°-90°	141.9	0.9
90°-100°	450.3	2.9
100°-110°	1183.8	7.8
110°-120°	1227.5	8.0
120°-130°	984.6	6.4
130°-140°	772.6	5.1
140°-150°	593.0	3.9
150°-160°	427.0	2.8
160°-170°	261.3	1.7
170°-180°	88.3	0.6
0°-30°	2656.9	17.4
0°-40°	4348.8	28.5
0°-60°	7531.3	49.3
0°-90°	9278.5	60.8
90°-120°	2861.7	18.7
90°-150°	5211.9	34.1
90°-180°	5988.0	39.2
0°-180°	15267.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3577	3577	3577	3577	3577	
5°	3594	3706	3594	2914	3594	341
15°	3432	3672	3432	3066	3432	966
25°	3022	3425	3022	2998	3022	1388
35°	2298	3056	2298	2609	2298	1422
45°	1482	2518	1482	2210	1482	1187
55°	1208	1858	1208	1814	1208	1110
65°	839	1120	839	1252	839	802
75°	318	531	318	636	318	334
85°	54	135	54	115	54	73
90°	6	24	6	24	6	7
95°	60	272	60	272	60	66
105°	213	1854	213	1854	213	226
115°	379	2387	379	2387	379	374
125°	527	1901	527	1901	527	468
135°	628	1475	628	1475	628	486
145°	728	1197	728	1197	728	456
155°	823	1030	823	1030	823	378
165°	888	960	888	960	888	251
175°	924	930	924	930	924	88
180°	924	924	924	924	924	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2
2.5°	3607.6	3607.6	3627.9	3634.7	3634.7	3624.6	3614.4	3624.6	3655.0	3665.2	3661.8
5°	3594.1	3621.2	3658.4	3665.2	3671.9	3668.6	3661.8	3668.6	3702.4	3709.2	3712.6
7.5°	3567.0	3617.8	3665.2	3675.3	3685.5	3675.3	3671.9	3678.7	3712.6	3719.3	3719.3
10°	3533.2	3604.3	3658.4	3665.2	3675.3	3665.2	3665.2	3678.7	3712.6	3719.3	3722.7
12.5°	3485.8	3583.9	3634.7	3641.5	3655.0	3651.6	3648.3	3661.8	3695.6	3702.4	3702.4
15°	3431.7	3546.7	3594.1	3600.9	3624.6	3617.8	3617.8	3631.3	3668.6	3678.7	3675.3
17.5°	3357.2	3499.3	3553.5	3563.6	3580.6	3577.2	3580.6	3594.1	3627.9	3634.7	3638.1
20°	3272.6	3435.0	3499.3	3509.5	3526.4	3526.4	3526.4	3543.3	3577.2	3590.7	3590.7
22.5°	3157.5	3367.4	3435.0	3441.8	3462.1	3462.1	3468.9	3492.6	3523.0	3526.4	3526.4
25°	3022.2	3292.9	3350.4	3370.7	3391.0	3401.2	3411.4	3424.9	3435.0	3431.7	3435.0
27.5°	2880.0	3198.1	3272.6	3286.1	3313.2	3323.4	3336.9	3340.3	3343.7	3353.8	3347.0
30°	2721.0	3066.2	3177.8	3191.4	3235.4	3242.1	3228.6	3235.4	3252.3	3259.1	3265.8
32.5°	2541.6	2869.9	3079.7	3110.2	3150.8	3130.5	3127.1	3137.2	3164.3	3164.3	3171.1
35°	2297.9	2717.6	2988.3	3015.4	3045.8	3022.2	3035.7	3039.1	3056.0	3066.2	3062.8
37.5°	2030.6	2585.6	2893.6	2913.9	2937.6	2907.1	2927.4	2937.6	2951.1	2944.3	2944.3
40°	1793.7	2379.1	2781.9	2795.4	2815.7	2792.0	2812.3	2819.1	2825.9	2819.1	2815.7
42.5°	1617.7	2152.4	2663.4	2680.3	2666.8	2683.7	2690.5	2704.0	2693.9	2680.3	2680.3
45°	1482.3	2091.5	2534.8	2555.1	2534.8	2561.9	2572.1	2572.1	2541.6	2534.8	2531.4
47.5°	1438.3	1969.6	2406.2	2406.2	2396.1	2429.9	2446.8	2423.1	2392.7	2382.5	2382.5
50°	1434.9	1834.3	2230.2	2216.7	2264.1	2304.7	2287.8	2264.1	2240.4	2203.2	2203.2
52.5°	1302.9	1668.4	2003.5	2054.3	2128.7	2152.4	2125.3	2101.6	2061.0	2044.1	2030.6
55°	1208.2	1495.9	1797.1	1898.6	1976.4	2006.9	1956.1	1932.4	1871.5	1861.4	1854.6
57.5°	1187.9	1245.4	1607.5	1736.1	1830.9	1827.5	1797.1	1753.1	1702.3	1692.1	1688.8
60°	1089.7	900.2	1404.5	1556.8	1654.9	1644.8	1617.7	1577.1	1529.7	1522.9	1516.2
62.5°	988.2	653.2	1174.3	1346.9	1485.7	1482.3	1458.6	1397.7	1363.9	1346.9	1333.4
65°	839.3	548.3	835.9	1120.2	1319.9	1326.6	1275.9	1231.9	1194.6	1174.3	1171.0
67.5°	639.6	446.7	565.2	934.1	1160.8	1154.0	1089.7	1069.4	1022.1	1011.9	991.6
70°	473.8	297.8	392.6	758.1	1005.1	988.2	937.4	913.8	869.8	846.1	832.5
72.5°	392.6	240.3	287.7	588.9	846.1	825.8	781.8	754.7	717.5	697.2	683.6
75°	318.1	253.8	220.0	436.6	687.0	673.5	632.9	605.8	575.3	548.3	551.6
77.5°	233.5	236.9	176.0	321.5	544.9	524.6	500.9	467.0	453.5	426.4	426.4
80°	176.0	186.1	132.0	220.0	392.6	392.6	372.3	348.6	324.9	311.4	311.4
82.5°	118.4	118.4	98.1	138.8	267.4	257.2	243.7	236.9	223.4	216.6	216.6
85°	54.1	67.7	60.9	84.6	145.5	152.3	152.3	145.5	142.1	135.4	138.8
87.5°	16.9	30.5	37.2	47.4	74.5	77.8	81.2	81.2	81.2	84.6	84.6
90°	6.2	11.2	16.2	17.4	27.3	40.5	47.1	41.9	31.4	23.6	23.6
92.5°	24.8	67.0	109.2	119.7	168.3	233.0	265.4	232.6	167.0	117.8	113.1
95°	59.5	136.7	213.8	233.1	413.9	655.0	775.6	692.1	525.1	399.9	385.7
97.5°	102.9	171.0	239.1	256.1	557.6	959.6	1160.6	1107.8	1002.3	923.2	896.2
100°	136.4	198.1	259.9	275.3	609.9	1056.0	1279.0	1282.9	1290.6	1296.4	1264.2
102.5°	164.9	222.5	280.1	294.5	633.8	1086.3	1312.5	1379.7	1514.2	1615.1	1587.5
105°	213.3	262.1	310.8	323.0	651.6	1089.7	1308.8	1459.5	1760.9	1987.0	1972.2
107.5°	262.9	308.4	353.8	365.2	654.9	1041.2	1234.4	1444.6	1865.1	2180.5	2184.1
110°	296.4	337.4	378.4	388.7	649.9	998.2	1172.4	1407.4	1877.5	2230.1	2245.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	329.2	368.3	407.4	417.2	650.1	960.7	1116.0	1356.6	1837.7	2198.5	2222.2
115°	378.8	414.9	451.0	460.0	656.1	917.6	1048.4	1280.1	1743.6	2091.2	2124.1
117.5°	427.8	460.6	493.4	501.6	668.4	890.7	1001.9	1211.0	1629.3	1943.0	1979.4
120°	456.3	487.1	518.0	525.7	678.2	881.6	983.3	1174.4	1556.6	1843.2	1878.6
122.5°	484.2	515.4	546.5	554.3	692.5	876.8	969.0	1141.1	1485.3	1743.4	1778.3
125°	527.0	555.4	583.7	590.8	711.7	872.9	953.5	1099.7	1392.0	1611.3	1643.5
127.5°	561.7	590.4	619.0	626.2	731.0	870.7	940.5	1066.0	1317.0	1505.3	1532.4
130°	580.3	611.1	642.0	649.7	745.0	872.1	935.6	1047.3	1270.8	1438.4	1463.5
132.5°	599.5	630.4	661.3	669.0	756.4	872.9	931.2	1031.2	1231.3	1381.3	1403.8
135°	628.0	656.1	684.3	691.3	768.8	872.1	923.8	1007.6	1175.1	1300.7	1320.1
137.5°	657.2	685.0	712.8	719.8	787.4	877.5	922.5	993.3	1135.0	1241.2	1257.0
140°	681.4	707.0	732.6	739.0	798.7	878.4	918.2	979.4	1101.7	1193.5	1208.3
142.5°	700.0	723.7	747.4	753.3	808.3	881.6	918.2	971.9	1079.4	1160.0	1172.7
145°	728.5	749.2	769.8	775.0	820.7	881.6	912.0	956.0	1043.9	1109.8	1119.4
147.5°	757.0	777.1	797.3	802.3	838.9	887.6	912.0	946.6	1015.7	1067.6	1075.6
150°	775.6	793.8	812.0	816.5	848.3	890.8	912.0	941.2	999.6	1043.4	1049.9
152.5°	794.8	808.6	822.4	825.8	854.5	892.8	912.0	936.9	986.8	1024.2	1029.1
155°	823.3	833.5	843.7	846.3	868.2	897.4	912.0	931.8	971.5	1001.3	1004.5
157.5°	844.4	854.3	864.2	866.7	881.8	901.9	912.0	927.4	958.3	981.4	983.7
160°	858.7	866.4	874.1	876.0	888.0	904.0	912.0	925.2	951.7	971.5	972.8
162.5°	872.9	878.7	884.5	886.0	894.7	906.2	912.0	923.2	945.5	962.2	963.4
165°	888.4	893.6	898.9	900.2	904.1	909.4	912.0	920.0	936.0	948.0	949.3
167.5°	902.7	905.2	907.7	908.3	911.6	916.0	918.2	923.4	933.9	941.8	942.3
170°	912.0	914.5	917.0	917.6	917.8	918.1	918.2	923.4	933.9	941.8	941.8
172.5°	917.0	917.5	918.1	918.2	918.2	918.2	918.2	922.3	930.6	936.8	936.3
175°	923.8	923.8	923.8	923.8	921.9	919.4	918.2	920.8	926.1	930.0	930.0
177.5°	923.8	923.8	923.8	923.8	922.3	920.4	919.4	921.5	925.6	928.7	928.2
180°	923.8	923.8	923.8	923.8	923.8	923.8	923.8	923.8	923.8	923.8	923.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2
2.5°	3668.6	3658.4	3668.6	3661.8	3665.2	3655.0	3624.6	3614.4	3624.6	3634.7	3634.7
5°	3712.6	3705.8	3712.6	3712.6	3709.2	3702.4	3668.6	3661.8	3668.6	3671.9	3665.2
7.5°	3726.1	3715.9	3726.1	3719.3	3719.3	3712.6	3678.7	3671.9	3675.3	3685.5	3675.3
10°	3726.1	3715.9	3726.1	3722.7	3719.3	3712.6	3678.7	3665.2	3665.2	3675.3	3665.2
12.5°	3709.2	3702.4	3709.2	3702.4	3702.4	3695.6	3661.8	3648.3	3651.6	3655.0	3641.5
15°	3682.1	3671.9	3682.1	3675.3	3678.7	3668.6	3631.3	3617.8	3617.8	3624.6	3600.9
17.5°	3641.5	3627.9	3641.5	3638.1	3634.7	3627.9	3594.1	3580.6	3577.2	3580.6	3563.6
20°	3594.1	3583.9	3594.1	3590.7	3590.7	3577.2	3543.3	3526.4	3526.4	3526.4	3509.5
22.5°	3519.6	3509.5	3519.6	3526.4	3526.4	3523.0	3492.6	3468.9	3462.1	3462.1	3441.8
25°	3435.0	3424.9	3435.0	3435.0	3431.7	3435.0	3424.9	3411.4	3401.2	3391.0	3370.7
27.5°	3353.8	3347.0	3353.8	3347.0	3353.8	3343.7	3340.3	3336.9	3323.4	3313.2	3286.1
30°	3272.6	3265.8	3272.6	3265.8	3259.1	3252.3	3235.4	3228.6	3242.1	3235.4	3191.4
32.5°	3171.1	3164.3	3171.1	3171.1	3164.3	3164.3	3137.2	3127.1	3130.5	3150.8	3110.2
35°	3066.2	3056.0	3066.2	3062.8	3066.2	3056.0	3039.1	3035.7	3022.2	3045.8	3015.4
37.5°	2944.3	2934.2	2944.3	2944.3	2944.3	2951.1	2937.6	2927.4	2907.1	2937.6	2913.9
40°	2819.1	2805.6	2819.1	2815.7	2819.1	2825.9	2819.1	2812.3	2792.0	2815.7	2795.4
42.5°	2677.0	2673.6	2677.0	2680.3	2680.3	2693.9	2704.0	2690.5	2683.7	2666.8	2680.3
45°	2524.7	2517.9	2524.7	2531.4	2534.8	2541.6	2572.1	2572.1	2561.9	2534.8	2555.1
47.5°	2362.2	2345.3	2362.2	2382.5	2382.5	2392.7	2423.1	2446.8	2429.9	2396.1	2406.2
50°	2189.6	2193.0	2189.6	2203.2	2203.2	2240.4	2264.1	2287.8	2304.7	2264.1	2216.7
52.5°	2020.4	2017.0	2020.4	2030.6	2044.1	2061.0	2101.6	2125.3	2152.4	2128.7	2054.3
55°	1851.2	1858.0	1851.2	1854.6	1861.4	1871.5	1932.4	1956.1	2006.9	1976.4	1898.6
57.5°	1682.0	1671.8	1682.0	1688.8	1692.1	1702.3	1753.1	1797.1	1827.5	1830.9	1736.1
60°	1485.7	1472.2	1485.7	1516.2	1522.9	1529.7	1577.1	1617.7	1644.8	1654.9	1556.8
62.5°	1313.1	1289.4	1313.1	1333.4	1346.9	1363.9	1397.7	1458.6	1482.3	1485.7	1346.9
65°	1130.3	1120.2	1130.3	1171.0	1174.3	1194.6	1231.9	1275.9	1326.6	1319.9	1120.2
67.5°	964.5	964.5	964.5	991.6	1011.9	1022.1	1069.4	1089.7	1154.0	1160.8	934.1
70°	812.2	808.8	812.2	832.5	846.1	869.8	913.8	937.4	988.2	1005.1	758.1
72.5°	666.7	663.3	666.7	683.6	697.2	717.5	754.7	781.8	825.8	846.1	588.9
75°	538.1	531.3	538.1	551.6	548.3	575.3	605.8	632.9	673.5	687.0	436.6
77.5°	412.9	412.9	412.9	426.4	426.4	453.5	467.0	500.9	524.6	544.9	321.5
80°	308.0	304.6	308.0	311.4	311.4	324.9	348.6	372.3	392.6	392.6	220.0
82.5°	216.6	209.8	216.6	216.6	216.6	223.4	236.9	243.7	257.2	267.4	138.8
85°	135.4	135.4	135.4	138.8	135.4	142.1	145.5	152.3	152.3	145.5	84.6
87.5°	88.0	84.6	88.0	84.6	84.6	81.2	81.2	81.2	77.8	74.5	47.4
90°	23.6	23.6	23.6	23.6	23.6	31.4	41.9	47.1	40.5	27.3	17.4
92.5°	94.4	75.6	94.4	113.1	117.8	167.0	232.6	265.4	233.0	168.3	119.7
95°	329.0	272.2	329.0	385.7	399.9	525.1	692.1	775.6	655.0	413.9	233.1
97.5°	788.1	680.1	788.1	896.2	923.2	1002.3	1107.8	1160.6	959.6	557.6	256.1
100°	1135.6	1006.9	1135.6	1264.2	1296.4	1290.6	1282.9	1279.0	1056.0	609.9	275.3
102.5°	1477.3	1367.1	1477.3	1587.5	1615.1	1514.2	1379.7	1312.5	1086.3	633.8	294.5
105°	1912.9	1853.7	1912.9	1972.2	1987.0	1760.9	1459.5	1308.8	1089.7	651.6	323.0
107.5°	2198.4	2212.7	2198.4	2184.1	2180.5	1865.1	1444.6	1234.4	1041.2	654.9	365.2
110°	2307.3	2369.0	2307.3	2245.5	2230.1	1877.5	1407.4	1172.4	998.2	649.9	388.7



TEST NUMBER: P934916

CATALOG NUMBER: SQ4-FA-075U-125D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2316.9	2411.7	2316.9	2222.2	2198.5	1837.7	1356.6	1116.0	960.7	650.1	417.2
115°	2255.5	2386.9	2255.5	2124.1	2091.2	1743.6	1280.1	1048.4	917.6	656.1	460.0
117.5°	2125.2	2271.0	2125.2	1979.4	1943.0	1629.3	1211.0	1001.9	890.7	668.4	501.6
120°	2020.3	2161.9	2020.3	1878.6	1843.2	1556.6	1174.4	983.3	881.6	678.2	525.7
122.5°	1918.0	2057.7	1918.0	1778.3	1743.4	1485.3	1141.1	969.0	876.8	692.5	554.3
125°	1772.2	1900.9	1772.2	1643.5	1611.3	1392.0	1099.7	953.5	872.9	711.7	590.8
127.5°	1641.0	1749.6	1641.0	1532.4	1505.3	1317.0	1066.0	940.5	870.7	731.0	626.2
130°	1563.7	1664.0	1563.7	1463.5	1438.4	1270.8	1047.3	935.6	872.1	745.0	649.7
132.5°	1493.6	1583.4	1493.6	1403.8	1381.3	1231.3	1031.2	931.2	872.9	756.4	669.0
135°	1397.5	1474.9	1397.5	1320.1	1300.7	1175.1	1007.6	923.8	872.1	768.8	691.3
137.5°	1320.4	1383.8	1320.4	1257.0	1241.2	1135.0	993.3	922.5	877.5	787.4	719.8
140°	1267.6	1326.8	1267.6	1208.3	1193.5	1101.7	979.4	918.2	878.4	798.7	739.0
142.5°	1223.7	1274.7	1223.7	1172.7	1160.0	1079.4	971.9	918.2	881.6	808.3	753.3
145°	1158.0	1196.6	1158.0	1119.4	1109.8	1043.9	956.0	912.0	881.6	820.7	775.0
147.5°	1107.5	1139.5	1107.5	1075.6	1067.6	1015.7	946.6	912.0	887.6	838.9	802.3
150°	1075.8	1101.7	1075.8	1049.9	1043.4	999.6	941.2	912.0	890.8	848.3	816.5
152.5°	1048.6	1068.2	1048.6	1029.1	1024.2	986.8	936.9	912.0	892.8	854.5	825.8
155°	1017.5	1030.4	1017.5	1004.5	1001.3	971.5	931.8	912.0	897.4	868.2	846.3
157.5°	992.8	1001.9	992.8	983.7	981.4	958.3	927.4	912.0	901.9	881.8	866.7
160°	978.1	983.3	978.1	972.8	971.5	951.7	925.2	912.0	904.0	888.0	876.0
162.5°	968.4	973.4	968.4	963.4	962.2	945.5	923.2	912.0	906.2	894.7	886.0
165°	954.5	959.7	954.5	949.3	948.0	936.0	920.0	912.0	909.4	904.1	900.2
167.5°	944.5	946.7	944.5	942.3	941.8	933.9	923.4	918.2	916.0	911.6	908.3
170°	941.8	941.8	941.8	941.8	941.8	933.9	923.4	918.2	918.1	917.8	917.6
172.5°	934.4	932.5	934.4	936.3	936.8	930.6	922.3	918.2	918.2	918.2	918.2
175°	930.0	930.0	930.0	930.0	930.0	926.1	920.8	918.2	919.4	921.9	923.8
177.5°	926.0	923.8	926.0	928.2	928.7	925.6	921.5	919.4	920.4	922.3	923.8
180°	923.8	923.8	923.8	923.8	923.8	923.8	923.8	923.8	923.8	923.8	923.8



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2
2.5°	3627.9	3607.6	3607.6	3573.8	3560.3	3550.1	3533.2	3482.4	3468.9	3455.3	3475.7
5°	3658.4	3621.2	3594.1	3533.2	3482.4	3462.1	3397.8	3276.0	3194.8	3133.8	3100.0
7.5°	3665.2	3617.8	3567.0	3472.3	3350.4	3296.3	3100.0	2876.6	2815.7	2761.6	2727.7
10°	3658.4	3604.3	3533.2	3391.0	3103.4	3008.6	2812.3	2666.8	2629.6	2619.4	2629.6
12.5°	3634.7	3583.9	3485.8	3248.9	2846.2	2781.9	2666.8	2582.2	2575.4	2592.4	2683.7
15°	3594.1	3546.7	3431.7	3059.4	2704.0	2656.7	2575.4	2545.0	2582.2	2700.7	2974.8
17.5°	3553.5	3499.3	3357.2	2873.3	2595.7	2561.9	2504.4	2565.3	2775.1	2934.2	3025.5
20°	3499.3	3435.0	3272.6	2737.9	2517.9	2487.4	2460.4	2734.5	2893.6	2951.1	3001.9
22.5°	3435.0	3367.4	3157.5	2643.1	2436.7	2413.0	2429.9	2829.3	2893.6	2934.2	2978.2
25°	3350.4	3292.9	3022.2	2568.7	2372.4	2345.3	2409.6	2819.1	2856.3	2866.5	2954.5
27.5°	3272.6	3198.1	2880.0	2501.0	2294.5	2284.4	2426.5	2775.1	2802.2	2812.3	2907.1
30°	3177.8	3066.2	2721.0	2429.9	2213.3	2209.9	2429.9	2721.0	2714.2	2741.3	2836.0
32.5°	3079.7	2869.9	2541.6	2341.9	2135.5	2132.1	2406.2	2639.7	2633.0	2670.2	2741.3
35°	2988.3	2717.6	2297.9	2240.4	2037.3	2040.7	2348.7	2545.0	2548.4	2582.2	2626.2
37.5°	2893.6	2585.6	2030.6	2128.7	1942.6	1942.6	2270.8	2457.0	2450.2	2460.4	2521.3
40°	2781.9	2379.1	1793.7	1983.2	1854.6	1844.4	2176.1	2362.2	2338.5	2335.2	2419.8
42.5°	2663.4	2152.4	1617.7	1790.3	1753.1	1739.5	2061.0	2247.2	2203.2	2213.3	2321.6
45°	2534.8	2091.5	1482.3	1512.8	1648.1	1638.0	1935.8	2115.2	2084.7	2111.8	2223.5
47.5°	2406.2	1969.6	1438.3	1255.6	1536.5	1533.1	1797.1	1986.6	1969.6	1996.7	2115.2
50°	2230.2	1834.3	1434.9	1076.2	1411.2	1424.8	1631.2	1861.4	1861.4	1885.0	2010.3
52.5°	2003.5	1668.4	1302.9	974.7	1265.7	1306.3	1485.7	1753.1	1759.8	1783.5	1895.2
55°	1797.1	1495.9	1208.2	896.8	1093.1	1181.1	1343.6	1641.4	1654.9	1678.6	1780.1
57.5°	1607.5	1245.4	1187.9	805.5	934.1	1018.7	1218.3	1533.1	1539.8	1560.2	1658.3
60°	1404.5	900.2	1089.7	707.3	795.3	859.6	1103.3	1404.5	1428.2	1441.7	1526.3
62.5°	1174.3	653.2	988.2	639.6	727.6	741.2	1008.5	1282.6	1313.1	1323.3	1374.0
65°	835.9	548.3	839.3	582.1	656.5	659.9	907.0	1157.4	1184.5	1201.4	1238.6
67.5°	565.2	446.7	639.6	527.9	602.4	605.8	808.8	1011.9	1049.1	1062.7	1086.4
70°	392.6	297.8	473.8	470.4	541.5	548.3	703.9	879.9	913.8	923.9	937.4
72.5°	287.7	240.3	392.6	423.0	477.2	484.0	595.6	731.0	764.8	775.0	781.8
75°	220.0	253.8	318.1	368.9	406.1	409.5	487.3	595.6	619.3	626.1	629.5
77.5°	176.0	236.9	233.5	297.8	331.7	324.9	382.4	460.3	480.6	480.6	480.6
80°	132.0	186.1	176.0	213.2	243.7	236.9	274.1	328.3	335.0	341.8	338.4
82.5°	98.1	118.4	118.4	135.4	162.4	155.7	182.8	213.2	213.2	213.2	220.0
85°	60.9	67.7	54.1	71.1	91.4	88.0	101.5	115.1	118.4	118.4	111.7
87.5°	37.2	30.5	16.9	27.1	40.6	40.6	47.4	50.8	47.4	47.4	47.4
90°	16.2	11.2	6.2	11.2	16.2	17.4	27.3	40.5	47.1	41.9	31.4
92.5°	109.2	67.0	24.8	67.0	109.2	119.7	168.3	233.0	265.4	232.6	167.0
95°	213.8	136.7	59.5	136.7	213.8	233.1	413.9	655.0	775.6	692.1	525.1
97.5°	239.1	171.0	102.9	171.0	239.1	256.1	557.6	959.6	1160.6	1107.8	1002.3
100°	259.9	198.1	136.4	198.1	259.9	275.3	609.9	1056.0	1279.0	1282.9	1290.6
102.5°	280.1	222.5	164.9	222.5	280.1	294.5	633.8	1086.3	1312.5	1379.7	1514.2
105°	310.8	262.1	213.3	262.1	310.8	323.0	651.6	1089.7	1308.8	1459.5	1760.9
107.5°	353.8	308.4	262.9	308.4	353.8	365.2	654.9	1041.2	1234.4	1444.6	1865.1
110°	378.4	337.4	296.4	337.4	378.4	388.7	649.9	998.2	1172.4	1407.4	1877.5



TEST NUMBER: P934916

CATALOG NUMBER: SQ4-FA-075U-125D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	407.4	368.3	329.2	368.3	407.4	417.2	650.1	960.7	1116.0	1356.6	1837.7
115°	451.0	414.9	378.8	414.9	451.0	460.0	656.1	917.6	1048.4	1280.1	1743.6
117.5°	493.4	460.6	427.8	460.6	493.4	501.6	668.4	890.7	1001.9	1211.0	1629.3
120°	518.0	487.1	456.3	487.1	518.0	525.7	678.2	881.6	983.3	1174.4	1556.6
122.5°	546.5	515.4	484.2	515.4	546.5	554.3	692.5	876.8	969.0	1141.1	1485.3
125°	583.7	555.4	527.0	555.4	583.7	590.8	711.7	872.9	953.5	1099.7	1392.0
127.5°	619.0	590.4	561.7	590.4	619.0	626.2	731.0	870.7	940.5	1066.0	1317.0
130°	642.0	611.1	580.3	611.1	642.0	649.7	745.0	872.1	935.6	1047.3	1270.8
132.5°	661.3	630.4	599.5	630.4	661.3	669.0	756.4	872.9	931.2	1031.2	1231.3
135°	684.3	656.1	628.0	656.1	684.3	691.3	768.8	872.1	923.8	1007.6	1175.1
137.5°	712.8	685.0	657.2	685.0	712.8	719.8	787.4	877.5	922.5	993.3	1135.0
140°	732.6	707.0	681.4	707.0	732.6	739.0	798.7	878.4	918.2	979.4	1101.7
142.5°	747.4	723.7	700.0	723.7	747.4	753.3	808.3	881.6	918.2	971.9	1079.4
145°	769.8	749.2	728.5	749.2	769.8	775.0	820.7	881.6	912.0	956.0	1043.9
147.5°	797.3	777.1	757.0	777.1	797.3	802.3	838.9	887.6	912.0	946.6	1015.7
150°	812.0	793.8	775.6	793.8	812.0	816.5	848.3	890.8	912.0	941.2	999.6
152.5°	822.4	808.6	794.8	808.6	822.4	825.8	854.5	892.8	912.0	936.9	986.8
155°	843.7	833.5	823.3	833.5	843.7	846.3	868.2	897.4	912.0	931.8	971.5
157.5°	864.2	854.3	844.4	854.3	864.2	866.7	881.8	901.9	912.0	927.4	958.3
160°	874.1	866.4	858.7	866.4	874.1	876.0	888.0	904.0	912.0	925.2	951.7
162.5°	884.5	878.7	872.9	878.7	884.5	886.0	894.7	906.2	912.0	923.2	945.5
165°	898.9	893.6	888.4	893.6	898.9	900.2	904.1	909.4	912.0	920.0	936.0
167.5°	907.7	905.2	902.7	905.2	907.7	908.3	911.6	916.0	918.2	923.4	933.9
170°	917.0	914.5	912.0	914.5	917.0	917.6	917.8	918.1	918.2	923.4	933.9
172.5°	918.1	917.5	917.0	917.5	918.1	918.2	918.2	918.2	918.2	922.3	930.6
175°	923.8	923.8	923.8	923.8	923.8	923.8	921.9	919.4	918.2	920.8	926.1
177.5°	923.8	923.8	923.8	923.8	923.8	923.8	922.3	920.4	919.4	921.5	925.6
180°	923.8	923.8	923.8	923.8	923.8	923.8	923.8	923.8	923.8	923.8	923.8



TEST NUMBER: P934916
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2
2.5°	3452.0	3441.8	3455.3	3418.1	3455.3	3441.8	3452.0	3475.7	3455.3	3468.9	3482.4
5°	3028.9	3012.0	2957.9	2913.9	2957.9	3012.0	3028.9	3100.0	3133.8	3194.8	3276.0
7.5°	2707.4	2693.9	2680.3	2653.3	2680.3	2693.9	2707.4	2727.7	2761.6	2815.7	2876.6
10°	2636.4	2639.7	2660.0	2656.7	2660.0	2639.7	2636.4	2629.6	2619.4	2629.6	2666.8
12.5°	2819.1	2849.6	2961.2	2954.5	2961.2	2849.6	2819.1	2683.7	2592.4	2575.4	2582.2
15°	3028.9	3039.1	3062.8	3066.2	3062.8	3039.1	3028.9	2974.8	2700.7	2582.2	2545.0
17.5°	3049.2	3052.6	3069.5	3069.5	3069.5	3052.6	3049.2	3025.5	2934.2	2775.1	2565.3
20°	3032.3	3039.1	3072.9	3079.7	3072.9	3039.1	3032.3	3001.9	2951.1	2893.6	2734.5
22.5°	3025.5	3039.1	3066.2	3062.8	3066.2	3039.1	3025.5	2978.2	2934.2	2893.6	2829.3
25°	2991.7	2991.7	2995.1	2998.5	2995.1	2991.7	2991.7	2954.5	2866.5	2856.3	2819.1
27.5°	2920.6	2927.4	2947.7	2944.3	2947.7	2927.4	2920.6	2907.1	2812.3	2802.2	2775.1
30°	2856.3	2849.6	2832.6	2819.1	2832.6	2849.6	2856.3	2836.0	2741.3	2714.2	2721.0
32.5°	2748.0	2731.1	2714.2	2704.0	2714.2	2731.1	2748.0	2741.3	2670.2	2633.0	2639.7
35°	2619.4	2622.8	2619.4	2609.3	2619.4	2622.8	2619.4	2626.2	2582.2	2548.4	2545.0
37.5°	2528.1	2534.8	2531.4	2517.9	2531.4	2534.8	2528.1	2521.3	2460.4	2450.2	2457.0
40°	2433.3	2436.7	2433.3	2423.1	2433.3	2436.7	2433.3	2419.8	2335.2	2338.5	2362.2
42.5°	2341.9	2338.5	2328.4	2321.6	2328.4	2338.5	2341.9	2321.6	2213.3	2203.2	2247.2
45°	2237.0	2240.4	2220.1	2209.9	2220.1	2240.4	2237.0	2223.5	2111.8	2084.7	2115.2
47.5°	2132.1	2132.1	2115.2	2105.0	2115.2	2132.1	2132.1	2115.2	1996.7	1969.6	1986.6
50°	2020.4	2017.0	1993.3	1990.0	1993.3	2017.0	2020.4	2010.3	1885.0	1861.4	1861.4
52.5°	1891.8	1891.8	1895.2	1902.0	1895.2	1891.8	1891.8	1895.2	1783.5	1759.8	1753.1
55°	1780.1	1783.5	1807.2	1814.0	1807.2	1783.5	1780.1	1780.1	1678.6	1654.9	1641.4
57.5°	1665.1	1665.1	1682.0	1682.0	1682.0	1665.1	1665.1	1658.3	1560.2	1539.8	1533.1
60°	1533.1	1539.8	1553.4	1550.0	1553.4	1539.8	1533.1	1526.3	1441.7	1428.2	1404.5
62.5°	1394.3	1401.1	1404.5	1397.7	1404.5	1401.1	1394.3	1374.0	1323.3	1313.1	1282.6
65°	1248.8	1255.6	1259.0	1252.2	1259.0	1255.6	1248.8	1238.6	1201.4	1184.5	1157.4
67.5°	1099.9	1096.5	1093.1	1106.7	1093.1	1096.5	1099.9	1086.4	1062.7	1049.1	1011.9
70°	947.6	947.6	944.2	951.0	944.2	947.6	947.6	937.4	923.9	913.8	879.9
72.5°	785.2	781.8	795.3	785.2	795.3	781.8	785.2	781.8	775.0	764.8	731.0
75°	626.1	632.9	626.1	636.2	626.1	632.9	626.1	629.5	626.1	619.3	595.6
77.5°	477.2	484.0	477.2	477.2	477.2	484.0	477.2	480.6	480.6	480.6	460.3
80°	338.4	335.0	335.0	331.7	335.0	335.0	338.4	338.4	341.8	335.0	328.3
82.5°	216.6	213.2	213.2	220.0	213.2	213.2	216.6	220.0	213.2	213.2	213.2
85°	118.4	121.8	115.1	115.1	115.1	121.8	118.4	111.7	118.4	118.4	115.1
87.5°	44.0	40.6	40.6	40.6	40.6	40.6	44.0	47.4	47.4	47.4	50.8
90°	23.6	23.6	23.6	23.6	23.6	23.6	23.6	31.4	41.9	47.1	40.5
92.5°	117.8	113.1	94.4	75.6	94.4	113.1	117.8	167.0	232.6	265.4	233.0
95°	399.9	385.7	329.0	272.2	329.0	385.7	399.9	525.1	692.1	775.6	655.0
97.5°	923.2	896.2	788.1	680.1	788.1	896.2	923.2	1002.3	1107.8	1160.6	959.6
100°	1296.4	1264.2	1135.6	1006.9	1135.6	1264.2	1296.4	1290.6	1282.9	1279.0	1056.0
102.5°	1615.1	1587.5	1477.3	1367.1	1477.3	1587.5	1615.1	1514.2	1379.7	1312.5	1086.3
105°	1987.0	1972.2	1912.9	1853.7	1912.9	1972.2	1987.0	1760.9	1459.5	1308.8	1089.7
107.5°	2180.5	2184.1	2198.4	2212.7	2198.4	2184.1	2180.5	1865.1	1444.6	1234.4	1041.2
110°	2230.1	2245.5	2307.3	2369.0	2307.3	2245.5	2230.1	1877.5	1407.4	1172.4	998.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2198.5	2222.2	2316.9	2411.7	2316.9	2222.2	2198.5	1837.7	1356.6	1116.0	960.7
115°	2091.2	2124.1	2255.5	2386.9	2255.5	2124.1	2091.2	1743.6	1280.1	1048.4	917.6
117.5°	1943.0	1979.4	2125.2	2271.0	2125.2	1979.4	1943.0	1629.3	1211.0	1001.9	890.7
120°	1843.2	1878.6	2020.3	2161.9	2020.3	1878.6	1843.2	1556.6	1174.4	983.3	881.6
122.5°	1743.4	1778.3	1918.0	2057.7	1918.0	1778.3	1743.4	1485.3	1141.1	969.0	876.8
125°	1611.3	1643.5	1772.2	1900.9	1772.2	1643.5	1611.3	1392.0	1099.7	953.5	872.9
127.5°	1505.3	1532.4	1641.0	1749.6	1641.0	1532.4	1505.3	1317.0	1066.0	940.5	870.7
130°	1438.4	1463.5	1563.7	1664.0	1563.7	1463.5	1438.4	1270.8	1047.3	935.6	872.1
132.5°	1381.3	1403.8	1493.6	1583.4	1493.6	1403.8	1381.3	1231.3	1031.2	931.2	872.9
135°	1300.7	1320.1	1397.5	1474.9	1397.5	1320.1	1300.7	1175.1	1007.6	923.8	872.1
137.5°	1241.2	1257.0	1320.4	1383.8	1320.4	1257.0	1241.2	1135.0	993.3	922.5	877.5
140°	1193.5	1208.3	1267.6	1326.8	1267.6	1208.3	1193.5	1101.7	979.4	918.2	878.4
142.5°	1160.0	1172.7	1223.7	1274.7	1223.7	1172.7	1160.0	1079.4	971.9	918.2	881.6
145°	1109.8	1119.4	1158.0	1196.6	1158.0	1119.4	1109.8	1043.9	956.0	912.0	881.6
147.5°	1067.6	1075.6	1107.5	1139.5	1107.5	1075.6	1067.6	1015.7	946.6	912.0	887.6
150°	1043.4	1049.9	1075.8	1101.7	1075.8	1049.9	1043.4	999.6	941.2	912.0	890.8
152.5°	1024.2	1029.1	1048.6	1068.2	1048.6	1029.1	1024.2	986.8	936.9	912.0	892.8
155°	1001.3	1004.5	1017.5	1030.4	1017.5	1004.5	1001.3	971.5	931.8	912.0	897.4
157.5°	981.4	983.7	992.8	1001.9	992.8	983.7	981.4	958.3	927.4	912.0	901.9
160°	971.5	972.8	978.1	983.3	978.1	972.8	971.5	951.7	925.2	912.0	904.0
162.5°	962.2	963.4	968.4	973.4	968.4	963.4	962.2	945.5	923.2	912.0	906.2
165°	948.0	949.3	954.5	959.7	954.5	949.3	948.0	936.0	920.0	912.0	909.4
167.5°	941.8	942.3	944.5	946.7	944.5	942.3	941.8	933.9	923.4	918.2	916.0
170°	941.8	941.8	941.8	941.8	941.8	941.8	941.8	933.9	923.4	918.2	918.1
172.5°	936.8	936.3	934.4	932.5	934.4	936.3	936.8	930.6	922.3	918.2	918.2
175°	930.0	930.0	930.0	930.0	930.0	930.0	930.0	926.1	920.8	918.2	919.4
177.5°	928.7	928.2	926.0	923.8	926.0	928.2	928.7	925.6	921.5	919.4	920.4
180°	923.8	923.8	923.8	923.8	923.8	923.8	923.8	923.8	923.8	923.8	923.8



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3577.2	3577.2	3577.2	3577.2	3577.2
2.5°	3533.2	3550.1	3560.3	3573.8	3607.6
5°	3397.8	3462.1	3482.4	3533.2	3594.1
7.5°	3100.0	3296.3	3350.4	3472.3	3567.0
10°	2812.3	3008.6	3103.4	3391.0	3533.2
12.5°	2666.8	2781.9	2846.2	3248.9	3485.8
15°	2575.4	2656.7	2704.0	3059.4	3431.7
17.5°	2504.4	2561.9	2595.7	2873.3	3357.2
20°	2460.4	2487.4	2517.9	2737.9	3272.6
22.5°	2429.9	2413.0	2436.7	2643.1	3157.5
25°	2409.6	2345.3	2372.4	2568.7	3022.2
27.5°	2426.5	2284.4	2294.5	2501.0	2880.0
30°	2429.9	2209.9	2213.3	2429.9	2721.0
32.5°	2406.2	2132.1	2135.5	2341.9	2541.6
35°	2348.7	2040.7	2037.3	2240.4	2297.9
37.5°	2270.8	1942.6	1942.6	2128.7	2030.6
40°	2176.1	1844.4	1854.6	1983.2	1793.7
42.5°	2061.0	1739.5	1753.1	1790.3	1617.7
45°	1935.8	1638.0	1648.1	1512.8	1482.3
47.5°	1797.1	1533.1	1536.5	1255.6	1438.3
50°	1631.2	1424.8	1411.2	1076.2	1434.9
52.5°	1485.7	1306.3	1265.7	974.7	1302.9
55°	1343.6	1181.1	1093.1	896.8	1208.2
57.5°	1218.3	1018.7	934.1	805.5	1187.9
60°	1103.3	859.6	795.3	707.3	1089.7
62.5°	1008.5	741.2	727.6	639.6	988.2
65°	907.0	659.9	656.5	582.1	839.3
67.5°	808.8	605.8	602.4	527.9	639.6
70°	703.9	548.3	541.5	470.4	473.8
72.5°	595.6	484.0	477.2	423.0	392.6
75°	487.3	409.5	406.1	368.9	318.1
77.5°	382.4	324.9	331.7	297.8	233.5
80°	274.1	236.9	243.7	213.2	176.0
82.5°	182.8	155.7	162.4	135.4	118.4
85°	101.5	88.0	91.4	71.1	54.1
87.5°	47.4	40.6	40.6	27.1	16.9
90°	27.3	17.4	16.2	11.2	6.2
92.5°	168.3	119.7	109.2	67.0	24.8
95°	413.9	233.1	213.8	136.7	59.5
97.5°	557.6	256.1	239.1	171.0	102.9
100°	609.9	275.3	259.9	198.1	136.4
102.5°	633.8	294.5	280.1	222.5	164.9
105°	651.6	323.0	310.8	262.1	213.3
107.5°	654.9	365.2	353.8	308.4	262.9
110°	649.9	388.7	378.4	337.4	296.4



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	650.1	417.2	407.4	368.3	329.2
115°	656.1	460.0	451.0	414.9	378.8
117.5°	668.4	501.6	493.4	460.6	427.8
120°	678.2	525.7	518.0	487.1	456.3
122.5°	692.5	554.3	546.5	515.4	484.2
125°	711.7	590.8	583.7	555.4	527.0
127.5°	731.0	626.2	619.0	590.4	561.7
130°	745.0	649.7	642.0	611.1	580.3
132.5°	756.4	669.0	661.3	630.4	599.5
135°	768.8	691.3	684.3	656.1	628.0
137.5°	787.4	719.8	712.8	685.0	657.2
140°	798.7	739.0	732.6	707.0	681.4
142.5°	808.3	753.3	747.4	723.7	700.0
145°	820.7	775.0	769.8	749.2	728.5
147.5°	838.9	802.3	797.3	777.1	757.0
150°	848.3	816.5	812.0	793.8	775.6
152.5°	854.5	825.8	822.4	808.6	794.8
155°	868.2	846.3	843.7	833.5	823.3
157.5°	881.8	866.7	864.2	854.3	844.4
160°	888.0	876.0	874.1	866.4	858.7
162.5°	894.7	886.0	884.5	878.7	872.9
165°	904.1	900.2	898.9	893.6	888.4
167.5°	911.6	908.3	907.7	905.2	902.7
170°	917.8	917.6	917.0	914.5	912.0
172.5°	918.2	918.2	918.1	917.5	917.0
175°	921.9	923.8	923.8	923.8	923.8
177.5°	922.3	923.8	923.8	923.8	923.8
180°	923.8	923.8	923.8	923.8	923.8



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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	15.51	16.47	16.36	17.35	18.46	18.34	19.31	19.20	20.19	21.30
	3H	15.99	16.86	16.86	17.75	18.88	19.70	20.57	20.57	21.46	22.59
	4H	16.19	17.01	17.07	17.90	19.05	20.15	20.97	21.04	21.87	23.01
	6H	16.31	17.07	17.21	17.97	19.13	20.44	21.20	21.34	22.10	23.26
	8H	16.32	17.04	17.22	17.96	19.11	20.52	21.24	21.43	22.16	23.32
	12H	16.29	16.98	17.20	17.89	19.07	20.57	21.25	21.48	22.16	23.35
4H	2H	16.55	17.37	17.45	18.27	19.41	18.77	19.59	19.66	20.48	21.63
	3H	17.59	18.27	18.49	19.20	20.36	20.28	20.97	21.19	21.89	23.05
	4H	17.87	18.49	18.79	19.42	20.60	20.82	21.44	21.73	22.36	23.55
	6H	18.00	18.54	18.93	19.49	20.67	21.19	21.73	22.12	22.68	23.86
	8H	18.01	18.51	18.94	19.45	20.65	21.30	21.80	22.23	22.74	23.95
	12H	17.98	18.43	18.93	19.39	20.60	21.36	21.82	22.32	22.78	23.98
8H	4H	18.33	18.84	19.27	19.78	20.98	20.95	21.45	21.88	22.39	23.59
	6H	18.60	19.02	19.56	20.00	21.20	21.39	21.81	22.35	22.79	23.99
	8H	18.64	19.01	19.61	19.98	21.20	21.55	21.92	22.52	22.89	24.11
	12H	18.63	18.96	19.60	19.92	21.19	21.65	21.98	22.62	22.94	24.21
12H	4H	18.35	18.80	19.30	19.76	20.96	20.92	21.37	21.87	22.33	23.54
	6H	18.66	19.03	19.63	20.00	21.22	21.39	21.76	22.36	22.73	23.95
	8H	18.73	19.06	19.70	20.02	21.29	21.56	21.88	22.53	22.85	24.11