

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: P934920

Luminaire Tested: SQ4-FA-075U-125D-840-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934920
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-840-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

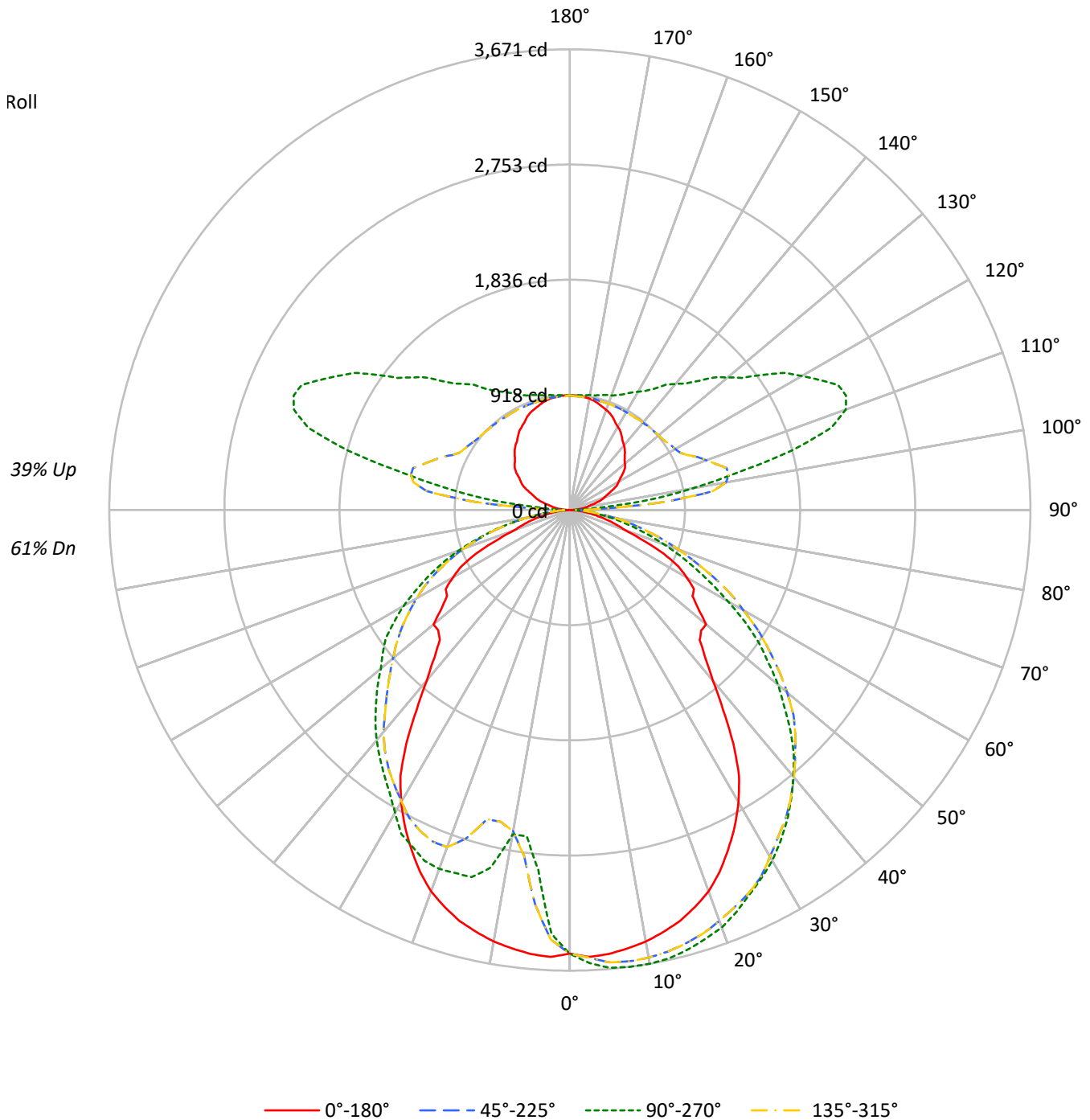
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15083.8 lumens
Efficiency: N/A
Efficacy: 121.6 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				
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°	16398	16398	16398	16398
5°	16520	16553	16520	13015
10°	16410	16305	16410	11657
15°	16231	15952	16231	13320
20°	15892	15533	15892	13348
25°	15197	14923	15197	13065
30°	14299	14416	14299	12444
35°	12747	13775	12747	11762
40°	10622	13021	10622	11246
45°	9491	12137	9491	10653
50°	10083	11084	10083	10058
55°	9486	9949	9486	9713
60°	9778	8450	9778	8897
65°	8866	6985	8866	7808
70°	6139	5566	6139	6545
75°	5383	4114	5383	4927
80°	4339	2720	4339	2962
85°	2492	1441	2492	1225

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14546 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.0	2.1
10°-20°	905.8	6.0
20°-30°	1400.2	9.3
30°-40°	1671.6	11.1
40°-50°	1681.4	11.1
50°-60°	1463.0	9.7
60°-70°	1037.3	6.9
70°-80°	548.8	3.6
80°-90°	140.2	0.9
90°-100°	444.9	2.9
100°-110°	1169.6	7.8
110°-120°	1212.8	8.0
120°-130°	972.8	6.4
130°-140°	763.3	5.1
140°-150°	585.9	3.9
150°-160°	421.9	2.8
160°-170°	258.2	1.7
170°-180°	87.2	0.6
0°-30°	2625.1	17.4
0°-40°	4296.6	28.5
0°-60°	7441.0	49.3
0°-90°	9167.2	60.8
90°-120°	2827.3	18.7
90°-150°	5149.3	34.1
90°-180°	5917.0	39.2
0°-180°	15083.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3534	3534	3534	3534	3534	
5°	3551	3661	3551	2879	3551	337
15°	3390	3628	3390	3029	3390	954
25°	2986	3384	2986	2962	2986	1371
35°	2270	3019	2270	2578	2270	1405
45°	1464	2488	1464	2183	1464	1173
55°	1194	1836	1194	1792	1194	1097
65°	829	1107	829	1237	829	792
75°	314	525	314	629	314	330
85°	54	134	54	114	54	72
90°	6	23	6	23	6	7
95°	59	269	59	269	59	65
105°	211	1832	211	1832	211	223
115°	374	2358	374	2358	374	370
125°	521	1878	521	1878	521	462
135°	620	1457	620	1457	620	480
145°	720	1182	720	1182	720	451
155°	813	1018	813	1018	813	374
165°	878	948	878	948	878	248
175°	913	919	913	919	913	87
180°	913	913	913	913	913	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3
2.5°	3564.3	3564.3	3584.4	3591.1	3591.1	3581.1	3571.0	3581.1	3611.1	3621.2	3617.9
5°	3551.0	3577.7	3614.5	3621.2	3627.8	3624.6	3617.9	3624.6	3658.0	3664.7	3668.0
7.5°	3524.2	3574.4	3621.2	3631.2	3641.3	3631.2	3627.8	3634.6	3668.0	3674.7	3674.7
10°	3490.8	3561.0	3614.5	3621.2	3631.2	3621.2	3621.2	3634.6	3668.0	3674.7	3678.0
12.5°	3444.0	3540.9	3591.1	3597.8	3611.1	3607.8	3604.5	3617.9	3651.3	3658.0	3658.0
15°	3390.5	3504.1	3551.0	3557.7	3581.1	3574.4	3574.4	3587.7	3624.6	3634.6	3631.2
17.5°	3316.9	3457.3	3510.9	3520.8	3537.6	3534.3	3537.6	3551.0	3584.4	3591.1	3594.4
20°	3233.3	3393.8	3457.3	3467.4	3484.1	3484.1	3484.1	3500.8	3534.3	3547.6	3547.6
22.5°	3119.6	3327.0	3393.8	3400.5	3420.6	3420.6	3427.3	3450.7	3480.7	3484.1	3484.1
25°	2985.9	3253.4	3310.2	3330.3	3350.3	3360.4	3370.5	3383.8	3393.8	3390.5	3393.8
27.5°	2845.4	3159.7	3233.3	3246.7	3273.4	3283.5	3296.9	3300.2	3303.6	3313.6	3306.8
30°	2688.3	3029.4	3139.7	3153.1	3196.6	3203.2	3189.9	3196.6	3213.3	3220.0	3226.6
32.5°	2511.1	2835.5	3042.7	3072.9	3113.0	3092.9	3089.6	3099.6	3126.3	3126.3	3133.0
35°	2270.3	2685.0	2952.4	2979.2	3009.3	2985.9	2999.3	3002.6	3019.3	3029.4	3026.0
37.5°	2006.2	2554.6	2858.9	2878.9	2902.3	2872.2	2892.3	2902.3	2915.7	2909.0	2909.0
40°	1772.2	2350.6	2748.5	2761.9	2781.9	2758.5	2778.6	2785.3	2792.0	2785.3	2781.9
42.5°	1598.3	2126.6	2631.4	2648.1	2634.8	2651.5	2658.2	2671.6	2661.6	2648.1	2648.1
45°	1464.5	2066.4	2504.4	2524.4	2504.4	2531.2	2541.2	2541.2	2511.1	2504.4	2501.0
47.5°	1421.0	1946.0	2377.3	2377.3	2367.3	2400.7	2417.4	2394.0	2364.0	2353.9	2353.9
50°	1417.7	1812.3	2203.4	2190.1	2236.9	2277.0	2260.3	2236.9	2213.5	2176.8	2176.8
52.5°	1287.3	1648.4	1979.5	2029.6	2103.2	2126.6	2099.8	2076.4	2036.3	2019.6	2006.2
55°	1193.7	1477.9	1775.5	1875.8	1952.7	1982.8	1932.6	1909.2	1849.0	1839.1	1832.3
57.5°	1173.6	1230.5	1588.2	1715.3	1808.9	1805.6	1775.5	1732.1	1681.9	1671.8	1668.5
60°	1076.6	889.4	1387.6	1538.1	1635.0	1625.1	1598.3	1558.2	1511.3	1504.6	1498.0
62.5°	976.3	645.4	1160.2	1330.7	1467.9	1464.5	1441.1	1380.9	1347.5	1330.7	1317.4
65°	829.2	541.7	825.9	1106.8	1304.1	1310.7	1260.6	1217.1	1180.3	1160.2	1156.9
67.5°	631.9	441.3	558.4	922.9	1146.9	1140.2	1076.6	1056.6	1009.8	999.8	979.7
70°	468.1	294.2	387.9	749.0	993.0	976.3	926.2	902.8	859.4	835.9	822.5
72.5°	387.9	237.4	284.2	581.8	835.9	815.9	772.4	745.6	708.9	688.8	675.4
75°	314.3	250.8	217.4	431.4	678.8	665.4	625.3	598.5	568.4	541.7	545.0
77.5°	230.7	234.1	173.9	317.6	538.4	518.3	494.9	461.4	448.1	421.3	421.3
80°	173.9	183.9	130.4	217.4	387.9	387.9	367.8	344.4	321.0	307.7	307.7
82.5°	117.0	117.0	96.9	137.1	264.2	254.1	240.8	234.1	220.7	214.0	214.0
85°	53.5	66.9	60.2	83.6	143.8	150.5	150.5	143.8	140.4	133.8	137.1
87.5°	16.7	30.1	36.8	46.8	73.6	76.9	80.2	80.2	80.2	83.6	83.6
90°	6.1	11.1	16.0	17.2	27.0	40.0	46.5	41.4	31.0	23.3	23.3
92.5°	24.5	66.2	107.9	118.3	166.3	230.2	262.2	229.8	165.0	116.4	111.7
95°	58.8	135.1	211.2	230.3	408.9	647.1	766.3	683.8	518.8	395.1	381.1
97.5°	101.7	168.9	236.2	253.0	550.9	948.1	1146.7	1094.5	990.3	912.1	885.4
100°	134.8	195.7	256.8	272.0	602.6	1043.3	1263.7	1267.5	1275.1	1280.8	1249.0
102.5°	162.9	219.8	276.7	291.0	626.2	1073.3	1296.8	1363.1	1496.0	1595.7	1568.4
105°	210.7	259.0	307.1	319.1	643.8	1076.6	1293.1	1442.0	1739.8	1963.2	1948.5
107.5°	259.7	304.7	349.6	360.8	647.0	1028.7	1219.6	1427.3	1842.7	2154.3	2157.9
110°	292.8	333.4	373.9	384.0	642.1	986.2	1158.3	1390.5	1855.0	2203.3	2218.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	325.2	363.9	402.5	412.2	642.3	949.2	1102.6	1340.3	1815.6	2172.1	2195.5
115°	374.3	409.9	445.6	454.5	648.2	906.6	1035.8	1264.7	1722.7	2066.1	2098.6
117.5°	422.7	455.1	487.5	495.6	660.4	880.0	989.9	1196.5	1609.7	1919.7	1955.6
120°	450.8	481.3	511.8	519.4	670.1	871.0	971.5	1160.3	1537.9	1821.1	1856.1
122.5°	478.4	509.2	539.9	547.6	684.2	866.3	957.4	1127.4	1467.5	1722.5	1757.0
125°	520.7	548.7	576.7	583.7	703.2	862.4	942.1	1086.5	1375.3	1592.0	1623.8
127.5°	555.0	583.3	611.6	618.7	722.2	860.3	929.2	1053.2	1301.2	1487.2	1514.0
130°	573.3	603.8	634.3	641.9	736.1	861.6	924.4	1034.7	1255.6	1421.1	1445.9
132.5°	592.3	622.8	653.4	661.0	747.3	862.4	920.0	1018.8	1216.5	1364.7	1387.0
135°	620.5	648.2	676.1	683.0	759.6	861.6	912.7	995.5	1161.0	1285.1	1304.3
137.5°	649.3	676.8	704.2	711.2	778.0	867.0	911.4	981.4	1121.4	1226.3	1241.9
140°	673.2	698.5	723.8	730.1	789.1	867.9	907.2	967.6	1088.5	1179.2	1193.8
142.5°	691.6	715.0	738.4	744.3	798.6	871.0	907.2	960.2	1066.4	1146.1	1158.6
145°	719.8	740.2	760.6	765.7	810.9	871.0	901.1	944.5	1031.4	1096.5	1106.0
147.5°	747.9	767.8	787.7	792.7	828.8	876.9	901.1	935.2	1003.5	1054.8	1062.7
150°	766.3	784.3	802.3	806.7	838.1	880.1	901.1	929.9	987.6	1030.9	1037.3
152.5°	785.3	798.9	812.5	815.9	844.2	882.1	901.1	925.7	975.0	1011.9	1016.8
155°	813.4	823.5	833.6	836.1	857.8	886.6	901.1	920.6	959.8	989.3	992.4
157.5°	834.3	844.0	853.8	856.3	871.2	891.1	901.1	916.3	946.8	969.6	971.9
160°	848.4	856.0	863.6	865.5	877.3	893.2	901.1	914.1	940.3	959.8	961.1
162.5°	862.4	868.2	873.9	875.4	884.0	895.3	901.1	912.1	934.2	950.7	951.8
165°	877.7	882.9	888.1	889.4	893.3	898.5	901.1	909.0	924.8	936.6	937.9
167.5°	891.9	894.3	896.8	897.4	900.7	905.0	907.2	912.3	922.7	930.5	931.0
170°	901.1	903.5	906.0	906.6	906.8	907.1	907.2	912.3	922.7	930.5	930.5
172.5°	906.0	906.5	907.1	907.2	907.2	907.2	907.2	911.2	919.4	925.6	925.1
175°	912.7	912.7	912.7	912.7	910.8	908.4	907.2	909.8	915.0	918.8	918.8
177.5°	912.7	912.7	912.7	912.7	911.2	909.4	908.4	910.4	914.5	917.6	917.1
180°	912.7	912.7	912.7	912.7	912.7	912.7	912.7	912.7	912.7	912.7	912.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3
2.5°	3624.6	3614.5	3624.6	3617.9	3621.2	3611.1	3581.1	3571.0	3581.1	3591.1	3591.1
5°	3668.0	3661.3	3668.0	3668.0	3664.7	3658.0	3624.6	3617.9	3624.6	3627.8	3621.2
7.5°	3681.4	3671.3	3681.4	3674.7	3674.7	3668.0	3634.6	3627.8	3631.2	3641.3	3631.2
10°	3681.4	3671.3	3681.4	3678.0	3674.7	3668.0	3634.6	3621.2	3621.2	3631.2	3621.2
12.5°	3664.7	3658.0	3664.7	3658.0	3658.0	3651.3	3617.9	3604.5	3607.8	3611.1	3597.8
15°	3637.9	3627.8	3637.9	3631.2	3634.6	3624.6	3587.7	3574.4	3574.4	3581.1	3557.7
17.5°	3597.8	3584.4	3597.8	3594.4	3591.1	3584.4	3551.0	3537.6	3534.3	3537.6	3520.8
20°	3551.0	3540.9	3551.0	3547.6	3547.6	3534.3	3500.8	3484.1	3484.1	3484.1	3467.4
22.5°	3477.4	3467.4	3477.4	3484.1	3484.1	3480.7	3450.7	3427.3	3420.6	3420.6	3400.5
25°	3393.8	3383.8	3393.8	3393.8	3390.5	3393.8	3383.8	3370.5	3360.4	3350.3	3330.3
27.5°	3313.6	3306.8	3313.6	3306.8	3313.6	3303.6	3300.2	3296.9	3283.5	3273.4	3246.7
30°	3233.3	3226.6	3233.3	3226.6	3220.0	3213.3	3196.6	3189.9	3203.2	3196.6	3153.1
32.5°	3133.0	3126.3	3133.0	3133.0	3126.3	3126.3	3099.6	3089.6	3092.9	3113.0	3072.9
35°	3029.4	3019.3	3029.4	3026.0	3029.4	3019.3	3002.6	2999.3	2985.9	3009.3	2979.2
37.5°	2909.0	2899.0	2909.0	2909.0	2909.0	2915.7	2902.3	2892.3	2872.2	2902.3	2878.9
40°	2785.3	2771.9	2785.3	2781.9	2785.3	2792.0	2785.3	2778.6	2758.5	2781.9	2761.9
42.5°	2644.9	2641.5	2644.9	2648.1	2648.1	2661.6	2671.6	2658.2	2651.5	2634.8	2648.1
45°	2494.4	2487.7	2494.4	2501.0	2504.4	2511.1	2541.2	2541.2	2531.2	2504.4	2524.4
47.5°	2333.9	2317.2	2333.9	2353.9	2353.9	2364.0	2394.0	2417.4	2400.7	2367.3	2377.3
50°	2163.3	2166.7	2163.3	2176.8	2176.8	2213.5	2236.9	2260.3	2277.0	2236.9	2190.1
52.5°	1996.2	1992.8	1996.2	2006.2	2019.6	2036.3	2076.4	2099.8	2126.6	2103.2	2029.6
55°	1829.0	1835.7	1829.0	1832.3	1839.1	1849.0	1909.2	1932.6	1982.8	1952.7	1875.8
57.5°	1661.8	1651.7	1661.8	1668.5	1671.8	1681.9	1732.1	1775.5	1805.6	1808.9	1715.3
60°	1467.9	1454.5	1467.9	1498.0	1504.6	1511.3	1558.2	1598.3	1625.1	1635.0	1538.1
62.5°	1297.3	1273.9	1297.3	1317.4	1330.7	1347.5	1380.9	1441.1	1464.5	1467.9	1330.7
65°	1116.7	1106.8	1116.7	1156.9	1160.2	1180.3	1217.1	1260.6	1310.7	1304.1	1106.8
67.5°	952.9	952.9	952.9	979.7	999.8	1009.8	1056.6	1076.6	1140.2	1146.9	922.9
70°	802.5	799.1	802.5	822.5	835.9	859.4	902.8	926.2	976.3	993.0	749.0
72.5°	658.7	655.3	658.7	675.4	688.8	708.9	745.6	772.4	815.9	835.9	581.8
75°	531.6	524.9	531.6	545.0	541.7	568.4	598.5	625.3	665.4	678.8	431.4
77.5°	407.9	407.9	407.9	421.3	421.3	448.1	461.4	494.9	518.3	538.4	317.6
80°	304.3	300.9	304.3	307.7	307.7	321.0	344.4	367.8	387.9	387.9	217.4
82.5°	214.0	207.3	214.0	214.0	214.0	220.7	234.1	240.8	254.1	264.2	137.1
85°	133.8	133.8	133.8	137.1	133.8	140.4	143.8	150.5	150.5	143.8	83.6
87.5°	86.9	83.6	86.9	83.6	83.6	80.2	80.2	80.2	76.9	73.6	46.8
90°	23.3	23.3	23.3	23.3	23.3	31.0	41.4	46.5	40.0	27.0	17.2
92.5°	93.3	74.7	93.3	111.7	116.4	165.0	229.8	262.2	230.2	166.3	118.3
95°	325.1	268.9	325.1	381.1	395.1	518.8	683.8	766.3	647.1	408.9	230.3
97.5°	778.6	671.9	778.6	885.4	912.1	990.3	1094.5	1146.7	948.1	550.9	253.0
100°	1122.0	994.8	1122.0	1249.0	1280.8	1275.1	1267.5	1263.7	1043.3	602.6	272.0
102.5°	1459.6	1350.7	1459.6	1568.4	1595.7	1496.0	1363.1	1296.8	1073.3	626.2	291.0
105°	1889.9	1831.5	1889.9	1948.5	1963.2	1739.8	1442.0	1293.1	1076.6	643.8	319.1
107.5°	2172.0	2186.1	2172.0	2157.9	2154.3	1842.7	1427.3	1219.6	1028.7	647.0	360.8
110°	2279.6	2340.6	2279.6	2218.6	2203.3	1855.0	1390.5	1158.3	986.2	642.1	384.0



TEST NUMBER: P934920

CATALOG NUMBER: SQ4-FA-075U-125D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2289.1	2382.8	2289.1	2195.5	2172.1	1815.6	1340.3	1102.6	949.2	642.3	412.2
115°	2228.4	2358.3	2228.4	2098.6	2066.1	1722.7	1264.7	1035.8	906.6	648.2	454.5
117.5°	2099.7	2243.7	2099.7	1955.6	1919.7	1609.7	1196.5	989.9	880.0	660.4	495.6
120°	1996.1	2136.0	1996.1	1856.1	1821.1	1537.9	1160.3	971.5	871.0	670.1	519.4
122.5°	1895.0	2033.0	1895.0	1757.0	1722.5	1467.5	1127.4	957.4	866.3	684.2	547.6
125°	1750.9	1878.1	1750.9	1623.8	1592.0	1375.3	1086.5	942.1	862.4	703.2	583.7
127.5°	1621.3	1728.6	1621.3	1514.0	1487.2	1301.2	1053.2	929.2	860.3	722.2	618.7
130°	1544.9	1644.0	1544.9	1445.9	1421.1	1255.6	1034.7	924.4	861.6	736.1	641.9
132.5°	1475.7	1564.4	1475.7	1387.0	1364.7	1216.5	1018.8	920.0	862.4	747.3	661.0
135°	1380.7	1457.2	1380.7	1304.3	1285.1	1161.0	995.5	912.7	861.6	759.6	683.0
137.5°	1304.6	1367.2	1304.6	1241.9	1226.3	1121.4	981.4	911.4	867.0	778.0	711.2
140°	1252.4	1310.9	1252.4	1193.8	1179.2	1088.5	967.6	907.2	867.9	789.1	730.1
142.5°	1209.0	1259.4	1209.0	1158.6	1146.1	1066.4	960.2	907.2	871.0	798.6	744.3
145°	1144.1	1182.2	1144.1	1106.0	1096.5	1031.4	944.5	901.1	871.0	810.9	765.7
147.5°	1094.2	1125.8	1094.2	1062.7	1054.8	1003.5	935.2	901.1	876.9	828.8	792.7
150°	1062.9	1088.5	1062.9	1037.3	1030.9	987.6	929.9	901.1	880.1	838.1	806.7
152.5°	1036.0	1055.4	1036.0	1016.8	1011.9	975.0	925.7	901.1	882.1	844.2	815.9
155°	1005.3	1018.0	1005.3	992.4	989.3	959.8	920.6	901.1	886.6	857.8	836.1
157.5°	980.9	989.9	980.9	971.9	969.6	946.8	916.3	901.1	891.1	871.2	856.3
160°	966.4	971.5	966.4	961.1	959.8	940.3	914.1	901.1	893.2	877.3	865.5
162.5°	956.8	961.7	956.8	951.8	950.7	934.2	912.1	901.1	895.3	884.0	875.4
165°	943.0	948.2	943.0	937.9	936.6	924.8	909.0	901.1	898.5	893.3	889.4
167.5°	933.2	935.3	933.2	931.0	930.5	922.7	912.3	907.2	905.0	900.7	897.4
170°	930.5	930.5	930.5	930.5	930.5	922.7	912.3	907.2	907.1	906.8	906.6
172.5°	923.2	921.3	923.2	925.1	925.6	919.4	911.2	907.2	907.2	907.2	907.2
175°	918.8	918.8	918.8	918.8	918.8	915.0	909.8	907.2	908.4	910.8	912.7
177.5°	914.9	912.7	914.9	917.1	917.6	914.5	910.4	908.4	909.4	911.2	912.7
180°	912.7	912.7	912.7	912.7	912.7	912.7	912.7	912.7	912.7	912.7	912.7



TEST NUMBER: P934920

CATALOG NUMBER: SQ4-FA-075U-125D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3
2.5°	3584.4	3564.3	3564.3	3530.9	3517.6	3507.5	3490.8	3440.6	3427.3	3413.8	3434.0
5°	3614.5	3577.7	3551.0	3490.8	3440.6	3420.6	3357.0	3236.7	3156.5	3096.2	3062.8
7.5°	3621.2	3574.4	3524.2	3430.6	3310.2	3256.7	3062.8	2842.1	2781.9	2728.5	2695.0
10°	3614.5	3561.0	3490.8	3350.3	3066.2	2972.5	2778.6	2634.8	2598.0	2588.0	2598.0
12.5°	3591.1	3540.9	3444.0	3209.9	2812.0	2748.5	2634.8	2551.2	2544.5	2561.3	2651.5
15°	3551.0	3504.1	3390.5	3022.7	2671.6	2624.8	2544.5	2514.5	2551.2	2668.3	2939.1
17.5°	3510.9	3457.3	3316.9	2838.8	2564.6	2531.2	2474.3	2534.5	2741.8	2899.0	2989.2
20°	3457.3	3393.8	3233.3	2705.0	2487.7	2457.6	2430.9	2701.7	2858.9	2915.7	2965.9
22.5°	3393.8	3327.0	3119.6	2611.4	2407.5	2384.0	2400.7	2795.3	2858.9	2899.0	2942.5
25°	3310.2	3253.4	2985.9	2537.9	2343.9	2317.2	2380.7	2785.3	2822.0	2832.1	2919.0
27.5°	3233.3	3159.7	2845.4	2471.0	2267.0	2257.0	2397.4	2741.8	2768.6	2778.6	2872.2
30°	3139.7	3029.4	2688.3	2400.7	2186.7	2183.4	2400.7	2688.3	2681.6	2708.4	2802.0
32.5°	3042.7	2835.5	2511.1	2313.8	2109.9	2106.5	2377.3	2608.0	2601.4	2638.2	2708.4
35°	2952.4	2685.0	2270.3	2213.5	2012.9	2016.2	2320.5	2514.5	2517.8	2551.2	2594.7
37.5°	2858.9	2554.6	2006.2	2103.2	1919.3	1919.3	2243.6	2427.5	2420.8	2430.9	2491.0
40°	2748.5	2350.6	1772.2	1959.4	1832.3	1822.3	2150.0	2333.9	2310.4	2307.2	2390.8
42.5°	2631.4	2126.6	1598.3	1768.8	1732.1	1718.6	2036.3	2220.2	2176.8	2186.7	2293.7
45°	2504.4	2066.4	1464.5	1494.6	1628.3	1618.3	1912.6	2089.8	2059.7	2086.5	2196.8
47.5°	2377.3	1946.0	1421.0	1240.5	1518.1	1514.7	1775.5	1962.8	1946.0	1972.7	2089.8
50°	2203.4	1812.3	1417.7	1063.3	1394.3	1407.7	1611.6	1839.1	1839.1	1862.4	1986.2
52.5°	1979.5	1648.4	1287.3	963.0	1250.5	1290.6	1467.9	1732.1	1738.7	1762.1	1872.5
55°	1775.5	1477.9	1193.7	886.0	1080.0	1166.9	1327.5	1621.7	1635.0	1658.5	1758.7
57.5°	1588.2	1230.5	1173.6	795.8	922.9	1006.5	1203.7	1514.7	1521.3	1541.5	1638.4
60°	1387.6	889.4	1076.6	698.8	785.8	849.3	1090.1	1387.6	1411.1	1424.4	1508.0
62.5°	1160.2	645.4	976.3	631.9	718.9	732.3	996.4	1267.2	1297.3	1307.4	1357.5
65°	825.9	541.7	829.2	575.1	648.6	652.0	896.1	1143.5	1170.3	1187.0	1223.7
67.5°	558.4	441.3	631.9	521.6	595.2	598.5	799.1	999.8	1036.5	1049.9	1073.4
70°	387.9	294.2	468.1	464.8	535.0	541.7	695.5	869.3	902.8	912.8	926.2
72.5°	284.2	237.4	387.9	417.9	471.5	478.2	588.5	722.2	755.6	765.7	772.4
75°	217.4	250.8	314.3	364.5	401.2	404.6	481.5	588.5	611.9	618.6	621.9
77.5°	173.9	234.1	230.7	294.2	327.7	321.0	377.8	454.8	474.8	474.8	474.8
80°	130.4	183.9	173.9	210.6	240.8	234.1	270.8	324.4	331.0	337.7	334.3
82.5°	96.9	117.0	117.0	133.8	160.5	153.8	180.6	210.6	210.6	210.6	217.4
85°	60.2	66.9	53.5	70.2	90.3	86.9	100.3	113.7	117.0	117.0	110.4
87.5°	36.8	30.1	16.7	26.8	40.1	40.1	46.8	50.2	46.8	46.8	46.8
90°	16.0	11.1	6.1	11.1	16.0	17.2	27.0	40.0	46.5	41.4	31.0
92.5°	107.9	66.2	24.5	66.2	107.9	118.3	166.3	230.2	262.2	229.8	165.0
95°	211.2	135.1	58.8	135.1	211.2	230.3	408.9	647.1	766.3	683.8	518.8
97.5°	236.2	168.9	101.7	168.9	236.2	253.0	550.9	948.1	1146.7	1094.5	990.3
100°	256.8	195.7	134.8	195.7	256.8	272.0	602.6	1043.3	1263.7	1267.5	1275.1
102.5°	276.7	219.8	162.9	219.8	276.7	291.0	626.2	1073.3	1296.8	1363.1	1496.0
105°	307.1	259.0	210.7	259.0	307.1	319.1	643.8	1076.6	1293.1	1442.0	1739.8
107.5°	349.6	304.7	259.7	304.7	349.6	360.8	647.0	1028.7	1219.6	1427.3	1842.7
110°	373.9	333.4	292.8	333.4	373.9	384.0	642.1	986.2	1158.3	1390.5	1855.0



TEST NUMBER: P934920

CATALOG NUMBER: SQ4-FA-075U-125D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	402.5	363.9	325.2	363.9	402.5	412.2	642.3	949.2	1102.6	1340.3	1815.6
115°	445.6	409.9	374.3	409.9	445.6	454.5	648.2	906.6	1035.8	1264.7	1722.7
117.5°	487.5	455.1	422.7	455.1	487.5	495.6	660.4	880.0	989.9	1196.5	1609.7
120°	511.8	481.3	450.8	481.3	511.8	519.4	670.1	871.0	971.5	1160.3	1537.9
122.5°	539.9	509.2	478.4	509.2	539.9	547.6	684.2	866.3	957.4	1127.4	1467.5
125°	576.7	548.7	520.7	548.7	576.7	583.7	703.2	862.4	942.1	1086.5	1375.3
127.5°	611.6	583.3	555.0	583.3	611.6	618.7	722.2	860.3	929.2	1053.2	1301.2
130°	634.3	603.8	573.3	603.8	634.3	641.9	736.1	861.6	924.4	1034.7	1255.6
132.5°	653.4	622.8	592.3	622.8	653.4	661.0	747.3	862.4	920.0	1018.8	1216.5
135°	676.1	648.2	620.5	648.2	676.1	683.0	759.6	861.6	912.7	995.5	1161.0
137.5°	704.2	676.8	649.3	676.8	704.2	711.2	778.0	867.0	911.4	981.4	1121.4
140°	723.8	698.5	673.2	698.5	723.8	730.1	789.1	867.9	907.2	967.6	1088.5
142.5°	738.4	715.0	691.6	715.0	738.4	744.3	798.6	871.0	907.2	960.2	1066.4
145°	760.6	740.2	719.8	740.2	760.6	765.7	810.9	871.0	901.1	944.5	1031.4
147.5°	787.7	767.8	747.9	767.8	787.7	792.7	828.8	876.9	901.1	935.2	1003.5
150°	802.3	784.3	766.3	784.3	802.3	806.7	838.1	880.1	901.1	929.9	987.6
152.5°	812.5	798.9	785.3	798.9	812.5	815.9	844.2	882.1	901.1	925.7	975.0
155°	833.6	823.5	813.4	823.5	833.6	836.1	857.8	886.6	901.1	920.6	959.8
157.5°	853.8	844.0	834.3	844.0	853.8	856.3	871.2	891.1	901.1	916.3	946.8
160°	863.6	856.0	848.4	856.0	863.6	865.5	877.3	893.2	901.1	914.1	940.3
162.5°	873.9	868.2	862.4	868.2	873.9	875.4	884.0	895.3	901.1	912.1	934.2
165°	888.1	882.9	877.7	882.9	888.1	889.4	893.3	898.5	901.1	909.0	924.8
167.5°	896.8	894.3	891.9	894.3	896.8	897.4	900.7	905.0	907.2	912.3	922.7
170°	906.0	903.5	901.1	903.5	906.0	906.6	906.8	907.1	907.2	912.3	922.7
172.5°	907.1	906.5	906.0	906.5	907.1	907.2	907.2	907.2	907.2	911.2	919.4
175°	912.7	912.7	912.7	912.7	912.7	912.7	910.8	908.4	907.2	909.8	915.0
177.5°	912.7	912.7	912.7	912.7	912.7	912.7	911.2	909.4	908.4	910.4	914.5
180°	912.7	912.7	912.7	912.7	912.7	912.7	912.7	912.7	912.7	912.7	912.7



TEST NUMBER: P934920
 CATALOG NUMBER: SQ4-FA-075U-125D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3	3534.3
2.5°	3410.6	3400.5	3413.8	3377.1	3413.8	3400.5	3410.6	3434.0	3413.8	3427.3	3440.6
5°	2992.6	2975.9	2922.4	2878.9	2922.4	2975.9	2992.6	3062.8	3096.2	3156.5	3236.7
7.5°	2674.9	2661.6	2648.1	2621.5	2648.1	2661.6	2674.9	2695.0	2728.5	2781.9	2842.1
10°	2604.8	2608.0	2628.1	2624.8	2628.1	2608.0	2604.8	2598.0	2588.0	2598.0	2634.8
12.5°	2785.3	2815.4	2925.7	2919.0	2925.7	2815.4	2785.3	2651.5	2561.3	2544.5	2551.2
15°	2992.6	3002.6	3026.0	3029.4	3026.0	3002.6	2992.6	2939.1	2668.3	2551.2	2514.5
17.5°	3012.6	3016.0	3032.7	3032.7	3032.7	3016.0	3012.6	2989.2	2899.0	2741.8	2534.5
20°	2995.9	3002.6	3036.0	3042.7	3036.0	3002.6	2995.9	2965.9	2915.7	2858.9	2701.7
22.5°	2989.2	3002.6	3029.4	3026.0	3029.4	3002.6	2989.2	2942.5	2899.0	2858.9	2795.3
25°	2955.8	2955.8	2959.2	2962.5	2959.2	2955.8	2955.8	2919.0	2832.1	2822.0	2785.3
27.5°	2885.6	2892.3	2912.3	2909.0	2912.3	2892.3	2885.6	2872.2	2778.6	2768.6	2741.8
30°	2822.0	2815.4	2798.6	2785.3	2798.6	2815.4	2822.0	2802.0	2708.4	2681.6	2688.3
32.5°	2715.0	2698.3	2681.6	2671.6	2681.6	2698.3	2715.0	2708.4	2638.2	2601.4	2608.0
35°	2588.0	2591.3	2588.0	2578.0	2588.0	2591.3	2588.0	2594.7	2551.2	2517.8	2514.5
37.5°	2497.8	2504.4	2501.0	2487.7	2501.0	2504.4	2497.8	2491.0	2430.9	2420.8	2427.5
40°	2404.1	2407.5	2404.1	2394.0	2404.1	2407.5	2404.1	2390.8	2307.2	2310.4	2333.9
42.5°	2313.8	2310.4	2300.5	2293.7	2300.5	2310.4	2313.8	2293.7	2186.7	2176.8	2220.2
45°	2210.2	2213.5	2193.5	2183.4	2193.5	2213.5	2210.2	2196.8	2086.5	2059.7	2089.8
47.5°	2106.5	2106.5	2089.8	2079.7	2089.8	2106.5	2106.5	2089.8	1972.7	1946.0	1962.8
50°	1996.2	1992.8	1969.4	1966.1	1969.4	1992.8	1996.2	1986.2	1862.4	1839.1	1839.1
52.5°	1869.1	1869.1	1872.5	1879.2	1872.5	1869.1	1869.1	1872.5	1762.1	1738.7	1732.1
55°	1758.7	1762.1	1785.5	1792.2	1785.5	1762.1	1758.7	1758.7	1658.5	1635.0	1621.7
57.5°	1645.1	1645.1	1661.8	1661.8	1661.8	1645.1	1645.1	1638.4	1541.5	1521.3	1514.7
60°	1514.7	1521.3	1534.8	1531.4	1534.8	1521.3	1514.7	1508.0	1424.4	1411.1	1387.6
62.5°	1377.6	1384.3	1387.6	1380.9	1387.6	1384.3	1377.6	1357.5	1307.4	1297.3	1267.2
65°	1233.8	1240.5	1243.9	1237.2	1243.9	1240.5	1233.8	1223.7	1187.0	1170.3	1143.5
67.5°	1086.7	1083.3	1080.0	1093.4	1080.0	1083.3	1086.7	1073.4	1049.9	1036.5	999.8
70°	936.2	936.2	932.9	939.6	932.9	936.2	936.2	926.2	912.8	902.8	869.3
72.5°	775.8	772.4	785.8	775.8	785.8	772.4	775.8	772.4	765.7	755.6	722.2
75°	618.6	625.3	618.6	628.6	618.6	625.3	618.6	621.9	618.6	611.9	588.5
77.5°	471.5	478.2	471.5	471.5	471.5	478.2	471.5	474.8	474.8	474.8	454.8
80°	334.3	331.0	331.0	327.7	331.0	331.0	334.3	334.3	337.7	331.0	324.4
82.5°	214.0	210.6	210.6	217.4	210.6	210.6	214.0	217.4	210.6	210.6	210.6
85°	117.0	120.3	113.7	113.7	113.7	120.3	117.0	110.4	117.0	117.0	113.7
87.5°	43.5	40.1	40.1	40.1	40.1	40.1	43.5	46.8	46.8	46.8	50.2
90°	23.3	23.3	23.3	23.3	23.3	23.3	23.3	31.0	41.4	46.5	40.0
92.5°	116.4	111.7	93.3	74.7	93.3	111.7	116.4	165.0	229.8	262.2	230.2
95°	395.1	381.1	325.1	268.9	325.1	381.1	395.1	518.8	683.8	766.3	647.1
97.5°	912.1	885.4	778.6	671.9	778.6	885.4	912.1	990.3	1094.5	1146.7	948.1
100°	1280.8	1249.0	1122.0	994.8	1122.0	1249.0	1280.8	1275.1	1267.5	1263.7	1043.3
102.5°	1595.7	1568.4	1459.6	1350.7	1459.6	1568.4	1595.7	1496.0	1363.1	1296.8	1073.3
105°	1963.2	1948.5	1889.9	1831.5	1889.9	1948.5	1963.2	1739.8	1442.0	1293.1	1076.6
107.5°	2154.3	2157.9	2172.0	2186.1	2172.0	2157.9	2154.3	1842.7	1427.3	1219.6	1028.7
110°	2203.3	2218.6	2279.6	2340.6	2279.6	2218.6	2203.3	1855.0	1390.5	1158.3	986.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2172.1	2195.5	2289.1	2382.8	2289.1	2195.5	2172.1	1815.6	1340.3	1102.6	949.2
115°	2066.1	2098.6	2228.4	2358.3	2228.4	2098.6	2066.1	1722.7	1264.7	1035.8	906.6
117.5°	1919.7	1955.6	2099.7	2243.7	2099.7	1955.6	1919.7	1609.7	1196.5	989.9	880.0
120°	1821.1	1856.1	1996.1	2136.0	1996.1	1856.1	1821.1	1537.9	1160.3	971.5	871.0
122.5°	1722.5	1757.0	1895.0	2033.0	1895.0	1757.0	1722.5	1467.5	1127.4	957.4	866.3
125°	1592.0	1623.8	1750.9	1878.1	1750.9	1623.8	1592.0	1375.3	1086.5	942.1	862.4
127.5°	1487.2	1514.0	1621.3	1728.6	1621.3	1514.0	1487.2	1301.2	1053.2	929.2	860.3
130°	1421.1	1445.9	1544.9	1644.0	1544.9	1445.9	1421.1	1255.6	1034.7	924.4	861.6
132.5°	1364.7	1387.0	1475.7	1564.4	1475.7	1387.0	1364.7	1216.5	1018.8	920.0	862.4
135°	1285.1	1304.3	1380.7	1457.2	1380.7	1304.3	1285.1	1161.0	995.5	912.7	861.6
137.5°	1226.3	1241.9	1304.6	1367.2	1304.6	1241.9	1226.3	1121.4	981.4	911.4	867.0
140°	1179.2	1193.8	1252.4	1310.9	1252.4	1193.8	1179.2	1088.5	967.6	907.2	867.9
142.5°	1146.1	1158.6	1209.0	1259.4	1209.0	1158.6	1146.1	1066.4	960.2	907.2	871.0
145°	1096.5	1106.0	1144.1	1182.2	1144.1	1106.0	1096.5	1031.4	944.5	901.1	871.0
147.5°	1054.8	1062.7	1094.2	1125.8	1094.2	1062.7	1054.8	1003.5	935.2	901.1	876.9
150°	1030.9	1037.3	1062.9	1088.5	1062.9	1037.3	1030.9	987.6	929.9	901.1	880.1
152.5°	1011.9	1016.8	1036.0	1055.4	1036.0	1016.8	1011.9	975.0	925.7	901.1	882.1
155°	989.3	992.4	1005.3	1018.0	1005.3	992.4	989.3	959.8	920.6	901.1	886.6
157.5°	969.6	971.9	980.9	989.9	980.9	971.9	969.6	946.8	916.3	901.1	891.1
160°	959.8	961.1	966.4	971.5	966.4	961.1	959.8	940.3	914.1	901.1	893.2
162.5°	950.7	951.8	956.8	961.7	956.8	951.8	950.7	934.2	912.1	901.1	895.3
165°	936.6	937.9	943.0	948.2	943.0	937.9	936.6	924.8	909.0	901.1	898.5
167.5°	930.5	931.0	933.2	935.3	933.2	931.0	930.5	922.7	912.3	907.2	905.0
170°	930.5	930.5	930.5	930.5	930.5	930.5	930.5	922.7	912.3	907.2	907.1
172.5°	925.6	925.1	923.2	921.3	923.2	925.1	925.6	919.4	911.2	907.2	907.2
175°	918.8	918.8	918.8	918.8	918.8	918.8	918.8	915.0	909.8	907.2	908.4
177.5°	917.6	917.1	914.9	912.7	914.9	917.1	917.6	914.5	910.4	908.4	909.4
180°	912.7	912.7	912.7	912.7	912.7	912.7	912.7	912.7	912.7	912.7	912.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3534.3	3534.3	3534.3	3534.3	3534.3
2.5°	3490.8	3507.5	3517.6	3530.9	3564.3
5°	3357.0	3420.6	3440.6	3490.8	3551.0
7.5°	3062.8	3256.7	3310.2	3430.6	3524.2
10°	2778.6	2972.5	3066.2	3350.3	3490.8
12.5°	2634.8	2748.5	2812.0	3209.9	3444.0
15°	2544.5	2624.8	2671.6	3022.7	3390.5
17.5°	2474.3	2531.2	2564.6	2838.8	3316.9
20°	2430.9	2457.6	2487.7	2705.0	3233.3
22.5°	2400.7	2384.0	2407.5	2611.4	3119.6
25°	2380.7	2317.2	2343.9	2537.9	2985.9
27.5°	2397.4	2257.0	2267.0	2471.0	2845.4
30°	2400.7	2183.4	2186.7	2400.7	2688.3
32.5°	2377.3	2106.5	2109.9	2313.8	2511.1
35°	2320.5	2016.2	2012.9	2213.5	2270.3
37.5°	2243.6	1919.3	1919.3	2103.2	2006.2
40°	2150.0	1822.3	1832.3	1959.4	1772.2
42.5°	2036.3	1718.6	1732.1	1768.8	1598.3
45°	1912.6	1618.3	1628.3	1494.6	1464.5
47.5°	1775.5	1514.7	1518.1	1240.5	1421.0
50°	1611.6	1407.7	1394.3	1063.3	1417.7
52.5°	1467.9	1290.6	1250.5	963.0	1287.3
55°	1327.5	1166.9	1080.0	886.0	1193.7
57.5°	1203.7	1006.5	922.9	795.8	1173.6
60°	1090.1	849.3	785.8	698.8	1076.6
62.5°	996.4	732.3	718.9	631.9	976.3
65°	896.1	652.0	648.6	575.1	829.2
67.5°	799.1	598.5	595.2	521.6	631.9
70°	695.5	541.7	535.0	464.8	468.1
72.5°	588.5	478.2	471.5	417.9	387.9
75°	481.5	404.6	401.2	364.5	314.3
77.5°	377.8	321.0	327.7	294.2	230.7
80°	270.8	234.1	240.8	210.6	173.9
82.5°	180.6	153.8	160.5	133.8	117.0
85°	100.3	86.9	90.3	70.2	53.5
87.5°	46.8	40.1	40.1	26.8	16.7
90°	27.0	17.2	16.0	11.1	6.1
92.5°	166.3	118.3	107.9	66.2	24.5
95°	408.9	230.3	211.2	135.1	58.8
97.5°	550.9	253.0	236.2	168.9	101.7
100°	602.6	272.0	256.8	195.7	134.8
102.5°	626.2	291.0	276.7	219.8	162.9
105°	643.8	319.1	307.1	259.0	210.7
107.5°	647.0	360.8	349.6	304.7	259.7
110°	642.1	384.0	373.9	333.4	292.8



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	642.3	412.2	402.5	363.9	325.2
115°	648.2	454.5	445.6	409.9	374.3
117.5°	660.4	495.6	487.5	455.1	422.7
120°	670.1	519.4	511.8	481.3	450.8
122.5°	684.2	547.6	539.9	509.2	478.4
125°	703.2	583.7	576.7	548.7	520.7
127.5°	722.2	618.7	611.6	583.3	555.0
130°	736.1	641.9	634.3	603.8	573.3
132.5°	747.3	661.0	653.4	622.8	592.3
135°	759.6	683.0	676.1	648.2	620.5
137.5°	778.0	711.2	704.2	676.8	649.3
140°	789.1	730.1	723.8	698.5	673.2
142.5°	798.6	744.3	738.4	715.0	691.6
145°	810.9	765.7	760.6	740.2	719.8
147.5°	828.8	792.7	787.7	767.8	747.9
150°	838.1	806.7	802.3	784.3	766.3
152.5°	844.2	815.9	812.5	798.9	785.3
155°	857.8	836.1	833.6	823.5	813.4
157.5°	871.2	856.3	853.8	844.0	834.3
160°	877.3	865.5	863.6	856.0	848.4
162.5°	884.0	875.4	873.9	868.2	862.4
165°	893.3	889.4	888.1	882.9	877.7
167.5°	900.7	897.4	896.8	894.3	891.9
170°	906.8	906.6	906.0	903.5	901.1
172.5°	907.2	907.2	907.1	906.5	906.0
175°	910.8	912.7	912.7	912.7	912.7
177.5°	911.2	912.7	912.7	912.7	912.7
180°	912.7	912.7	912.7	912.7	912.7



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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	15.46	16.43	16.32	17.31	18.42	18.30	19.27	19.16	20.15	21.26
	3H	15.95	16.82	16.82	17.71	18.84	19.66	20.53	20.53	21.42	22.55
	4H	16.15	16.96	17.03	17.86	19.01	20.11	20.93	21.00	21.82	22.97
	6H	16.27	17.03	17.17	17.93	19.09	20.40	21.16	21.30	22.06	23.22
	8H	16.27	16.99	17.18	17.91	19.07	20.48	21.20	21.39	22.12	23.28
	12H	16.25	16.93	17.16	17.85	19.03	20.52	21.21	21.44	22.12	23.31
4H	2H	16.51	17.33	17.40	18.23	19.37	18.72	19.54	19.62	20.44	21.58
	3H	17.55	18.23	18.45	19.16	20.32	20.24	20.93	21.15	21.85	23.01
	4H	17.83	18.45	18.74	19.38	20.56	20.78	21.40	21.69	22.32	23.51
	6H	17.96	18.50	18.89	19.44	20.63	21.15	21.69	22.08	22.63	23.82
	8H	17.97	18.47	18.90	19.41	20.61	21.26	21.76	22.19	22.70	23.90
	12H	17.94	18.39	18.89	19.35	20.56	21.32	21.78	22.27	22.73	23.94
8H	4H	18.29	18.79	19.22	19.74	20.94	20.91	21.41	21.84	22.35	23.55
	6H	18.56	18.97	19.52	19.96	21.16	21.35	21.77	22.31	22.75	23.95
	8H	18.60	18.97	19.57	19.94	21.16	21.51	21.87	22.47	22.85	24.06
	12H	18.59	18.91	19.56	19.88	21.15	21.61	21.93	22.58	22.90	24.17
12H	4H	18.30	18.76	19.26	19.72	20.92	20.88	21.33	21.83	22.29	23.50
	6H	18.62	18.99	19.59	19.96	21.18	21.35	21.72	22.32	22.69	23.91
	8H	18.69	19.02	19.66	19.98	21.25	21.52	21.84	22.49	22.81	24.07