

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: P935461

Luminaire Tested: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-6-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935461
REPORT IS A COMBINATION OF REPORTS P933755 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-6-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

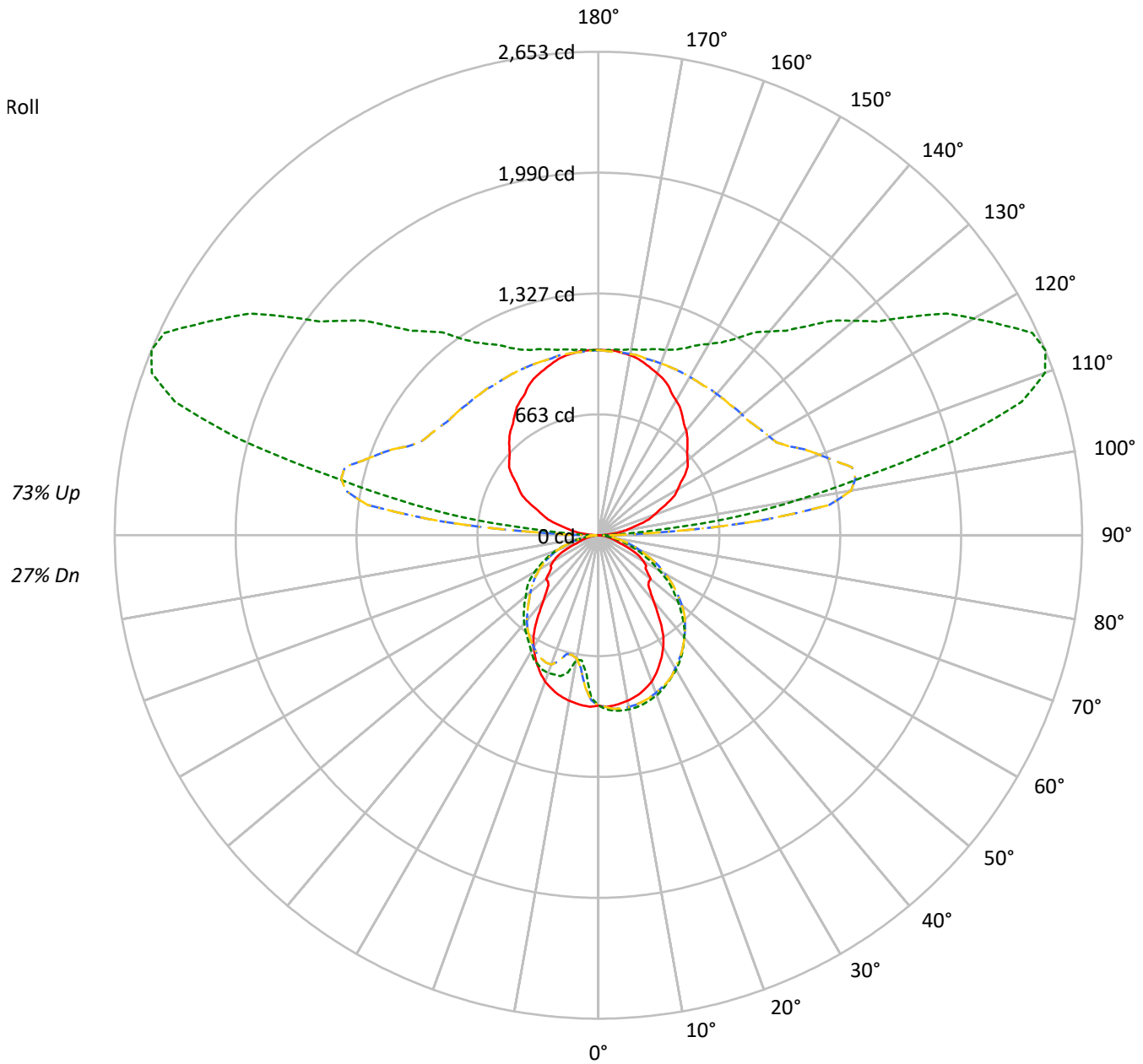
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9014.0 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 71.4
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	0
RCR																					
0	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35				27
1	93	88	85	81	83	79	76	73	62	60	58	46	44	43	31	30	29				23
2	84	77	71	66	75	69	64	60	54	51	48	40	38	36	27	26	25				19
3	77	68	61	55	68	61	55	50	48	43	40	35	33	30	24	22	21				16
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	20	18				14
5	64	53	45	40	57	48	41	36	38	33	29	28	25	22	19	17	16				12
6	59	48	40	34	53	43	36	31	34	29	25	25	22	19	17	15	14				10
7	55	43	35	30	49	38	32	27	30	26	22	23	20	17	16	14	12				9
8	50	39	31	26	45	35	28	24	28	23	19	21	18	15	15	12	11				8
9	47	35	28	23	42	32	25	21	25	21	17	19	16	14	13	11	10				7
10	44	32	25	20	39	29	23	19	23	19	15	18	14	12	12	10	9				7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5777	5777	5777	5777
5°	5818	5831	5818	4585
10°	5777	5745	5777	4107
15°	5713	5621	5713	4693
20°	5591	5473	5591	4703
25°	5344	5258	5344	4603
30°	5026	5080	5026	4384
35°	4479	4853	4479	4144
40°	3730	4588	3730	3962
45°	3330	4276	3330	3754
50°	3535	3906	3535	3543
55°	3323	3506	3323	3422
60°	3421	2977	3421	3134
65°	3096	2461	3096	2751
70°	2139	1961	2139	2306
75°	1870	1450	1870	1736
80°	1494	958	1494	1044
85°	841	507	841	431

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5107 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.3	0.9
10°-20°	239.4	2.7
20°-30°	370.0	4.1
30°-40°	441.7	4.9
40°-50°	444.3	4.9
50°-60°	386.6	4.3
60°-70°	274.1	3.0
70°-80°	145.0	1.6
80°-90°	40.0	0.4
90°-100°	495.4	5.5
100°-110°	1302.5	14.4
110°-120°	1350.5	15.0
120°-130°	1083.3	12.0
130°-140°	850.0	9.4
140°-150°	652.4	7.2
150°-160°	469.8	5.2
160°-170°	287.5	3.2
170°-180°	97.1	1.1
0°-30°	693.7	7.7
0°-40°	1135.4	12.6
0°-60°	1966.2	21.8
0°-90°	2425.3	26.9
90°-120°	3148.4	34.9
90°-150°	5734.2	63.6
90°-180°	6589.0	73.1
0°-180°	9014.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	934	934	934	934	934	
5°	938	967	938	761	938	89
15°	896	959	896	800	896	252
25°	789	894	789	783	789	362
35°	600	798	600	681	600	371
45°	387	657	387	577	387	310
55°	315	485	315	474	315	290
65°	219	292	219	327	219	209
75°	83	139	83	166	83	87
85°	14	35	14	30	14	19
90°	7	26	7	26	7	6
95°	66	299	66	299	66	73
105°	235	2040	235	2040	235	249
115°	417	2626	417	2626	417	412
125°	580	2091	580	2091	580	515
135°	691	1623	691	1623	691	535
145°	801	1316	801	1316	801	502
155°	906	1134	906	1134	906	416
165°	978	1056	978	1056	978	276
175°	1016	1023	1016	1023	1016	96
180°	1016	1016	1016	1016	1016	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9
2.5°	941.9	941.9	947.2	948.9	948.9	946.3	943.6	946.3	954.3	956.9	956.0
5°	938.3	945.4	955.2	956.9	958.7	957.8	956.0	957.8	966.6	968.4	969.3
7.5°	931.3	944.5	956.9	959.5	962.2	959.5	958.7	960.4	969.3	971.0	971.0
10°	922.4	941.0	955.2	956.9	959.5	956.9	956.9	960.4	969.3	971.0	971.9
12.5°	910.1	935.7	948.9	950.7	954.3	953.4	952.4	956.0	964.8	966.6	966.6
15°	896.0	926.0	938.3	940.1	946.3	944.5	944.5	948.0	957.8	960.4	959.5
17.5°	876.5	913.6	927.7	930.4	934.8	933.9	934.8	938.3	947.2	948.9	949.8
20°	854.4	896.8	913.6	916.2	920.6	920.6	920.6	925.1	933.9	937.4	937.4
22.5°	824.4	879.1	896.8	898.6	903.9	903.9	905.6	911.9	919.8	920.6	920.6
25°	789.0	859.7	874.7	880.1	885.3	888.0	890.6	894.2	896.8	896.0	896.8
27.5°	751.9	834.9	854.4	857.9	865.0	867.7	871.2	872.1	872.9	875.6	873.8
30°	710.4	800.5	829.6	833.2	844.7	846.4	842.9	844.7	849.1	850.9	852.7
32.5°	663.6	749.3	804.0	812.0	822.6	817.3	816.4	819.0	826.1	826.1	827.9
35°	600.0	709.5	780.2	787.2	795.2	789.0	792.6	793.5	797.8	800.5	799.6
37.5°	530.1	675.1	755.4	760.7	766.9	758.9	764.3	766.9	770.4	768.7	768.7
40°	468.3	621.1	726.3	729.8	735.1	728.9	734.3	736.0	737.8	736.0	735.1
42.5°	422.4	561.9	695.4	699.7	696.2	700.6	702.5	706.0	703.3	699.7	699.7
45°	387.0	546.0	661.8	667.1	661.8	668.8	671.5	671.5	663.6	661.8	660.9
47.5°	375.5	514.2	628.2	628.2	625.5	634.4	638.8	632.6	624.6	622.0	622.0
50°	374.6	478.8	582.2	578.7	591.1	601.7	597.2	591.1	584.9	575.2	575.2
52.5°	340.2	435.5	523.0	536.3	555.8	561.9	554.9	548.7	538.0	533.7	530.1
55°	315.4	390.5	469.2	495.7	516.0	523.9	510.7	504.5	488.6	486.0	484.2
57.5°	310.1	325.1	419.7	453.3	478.0	477.1	469.2	457.7	444.4	441.8	440.9
60°	284.5	235.0	366.7	406.5	432.0	429.4	422.4	411.7	399.4	397.6	395.9
62.5°	258.0	170.6	306.6	351.7	387.9	387.0	380.8	364.9	356.1	351.7	348.2
65°	219.1	143.2	218.3	292.5	344.6	346.3	333.1	321.6	311.9	306.6	305.7
67.5°	167.0	116.6	147.6	243.9	303.1	301.3	284.5	279.2	266.8	264.2	258.9
70°	123.7	77.7	102.5	197.9	262.4	258.0	244.8	238.5	227.0	220.9	217.4
72.5°	102.5	62.7	75.1	153.7	220.9	215.6	204.1	197.0	187.3	182.0	178.5
75°	83.1	66.2	57.4	114.0	179.3	175.8	165.2	158.2	150.2	143.2	144.0
77.5°	61.0	61.8	45.9	84.0	142.3	136.9	130.8	121.9	118.4	111.4	111.4
80°	45.9	48.6	34.4	57.4	102.5	102.5	97.2	91.0	84.8	81.3	81.3
82.5°	30.9	30.9	25.6	36.2	69.8	67.2	63.6	61.8	58.3	56.6	56.6
85°	14.1	17.7	15.9	22.0	38.0	39.8	39.8	38.0	37.2	35.3	36.2
87.5°	4.4	8.0	9.7	12.4	19.4	20.3	21.2	21.2	21.2	22.0	22.0
90°	6.9	12.3	17.7	19.1	30.0	44.5	51.8	46.0	34.5	25.9	25.9
92.5°	27.3	73.7	120.1	131.7	185.1	256.3	291.9	255.8	183.7	129.6	124.5
95°	65.5	150.4	235.2	256.5	455.4	720.7	853.4	761.5	577.7	439.9	424.3
97.5°	113.2	188.0	263.0	281.7	613.4	1055.8	1277.0	1218.9	1102.8	1015.7	986.0
100°	150.1	218.0	285.9	302.8	670.9	1161.8	1407.2	1411.4	1419.9	1426.3	1390.9
102.5°	181.5	244.8	308.2	324.0	697.4	1195.1	1444.0	1518.0	1666.0	1776.9	1746.6
105°	234.7	288.3	341.9	355.4	716.9	1199.0	1440.0	1605.8	1937.4	2186.2	2169.8
107.5°	289.2	339.2	389.3	401.7	720.6	1145.6	1358.1	1589.5	2052.1	2399.0	2402.9
110°	326.0	371.2	416.3	427.6	715.0	1098.2	1289.9	1548.4	2065.7	2453.6	2470.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	362.2	405.2	448.3	459.1	715.3	1056.9	1227.8	1492.4	2021.8	2418.8	2444.8
115°	416.8	456.5	496.2	506.2	722.0	1009.6	1153.5	1408.4	1918.4	2300.8	2337.0
117.5°	470.7	506.8	542.8	551.8	735.3	979.9	1102.3	1332.4	1792.6	2137.8	2177.8
120°	502.0	536.0	569.9	578.4	746.2	969.9	1081.8	1292.1	1712.5	2027.9	2066.9
122.5°	532.8	567.0	601.3	609.8	761.9	964.7	1066.2	1255.5	1634.2	1918.1	1956.5
125°	579.8	611.0	642.2	650.0	783.1	960.4	1049.1	1209.9	1531.6	1772.9	1808.2
127.5°	618.0	649.5	681.0	688.9	804.3	958.0	1034.8	1172.9	1449.1	1656.2	1686.1
130°	638.4	672.4	706.3	714.8	819.6	959.4	1029.3	1152.2	1398.1	1582.5	1610.1
132.5°	659.6	693.6	727.5	736.0	832.2	960.4	1024.5	1134.6	1354.7	1519.7	1544.4
135°	691.0	721.9	752.8	760.5	845.8	959.5	1016.4	1108.5	1292.9	1431.1	1452.4
137.5°	723.0	753.7	784.3	792.0	866.3	965.4	1015.0	1092.9	1248.7	1365.6	1383.0
140°	749.6	777.8	806.0	813.0	878.7	966.4	1010.2	1077.5	1212.1	1313.1	1329.4
142.5°	770.1	796.2	822.3	828.8	889.3	969.9	1010.2	1069.3	1187.6	1276.3	1290.3
145°	801.4	824.2	846.9	852.7	902.9	969.9	1003.4	1051.8	1148.5	1221.0	1231.6
147.5°	832.9	855.0	877.2	882.7	922.9	976.6	1003.4	1041.4	1117.6	1174.6	1183.4
150°	853.4	873.4	893.3	898.3	933.4	980.0	1003.4	1035.5	1099.8	1148.0	1155.1
152.5°	874.4	889.6	904.8	908.6	940.2	982.3	1003.4	1030.8	1085.7	1126.9	1132.2
155°	905.9	917.1	928.3	931.1	955.2	987.3	1003.4	1025.2	1068.9	1101.7	1105.3
157.5°	929.1	940.0	950.8	953.6	970.2	992.3	1003.4	1020.3	1054.3	1079.8	1082.2
160°	944.7	953.2	961.7	963.8	977.0	994.6	1003.4	1018.0	1047.0	1068.9	1070.3
162.5°	960.4	966.7	973.2	974.7	984.3	997.0	1003.4	1015.7	1040.2	1058.6	1060.0
165°	977.5	983.3	989.1	990.5	994.8	1000.5	1003.4	1012.2	1029.8	1043.0	1044.4
167.5°	993.2	995.9	998.6	999.3	1002.9	1007.8	1010.2	1016.0	1027.5	1036.1	1036.7
170°	1003.4	1006.1	1008.8	1009.5	1009.8	1010.0	1010.2	1016.0	1027.5	1036.1	1036.1
172.5°	1008.8	1009.4	1010.0	1010.2	1010.2	1010.2	1010.2	1014.8	1023.8	1030.7	1030.2
175°	1016.4	1016.4	1016.4	1016.4	1014.3	1011.6	1010.2	1013.1	1018.9	1023.2	1023.2
177.5°	1016.4	1016.4	1016.4	1016.4	1014.8	1012.6	1011.5	1013.8	1018.4	1021.8	1021.2
180°	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9
2.5°	957.8	955.2	957.8	956.0	956.9	954.3	946.3	943.6	946.3	948.9	948.9
5°	969.3	967.4	969.3	969.3	968.4	966.6	957.8	956.0	957.8	958.7	956.9
7.5°	972.8	970.2	972.8	971.0	971.0	969.3	960.4	958.7	959.5	962.2	959.5
10°	972.8	970.2	972.8	971.9	971.0	969.3	960.4	956.9	956.9	959.5	956.9
12.5°	968.4	966.6	968.4	966.6	966.6	964.8	956.0	952.4	953.4	954.3	950.7
15°	961.3	958.7	961.3	959.5	960.4	957.8	948.0	944.5	944.5	946.3	940.1
17.5°	950.7	947.2	950.7	949.8	948.9	947.2	938.3	934.8	933.9	934.8	930.4
20°	938.3	935.7	938.3	937.4	937.4	933.9	925.1	920.6	920.6	920.6	916.2
22.5°	918.9	916.2	918.9	920.6	920.6	919.8	911.9	905.6	903.9	903.9	898.6
25°	896.8	894.2	896.8	896.8	896.0	896.8	894.2	890.6	888.0	885.3	880.1
27.5°	875.6	873.8	875.6	873.8	875.6	872.9	872.1	871.2	867.7	865.0	857.9
30°	854.4	852.7	854.4	852.7	850.9	849.1	844.7	842.9	846.4	844.7	833.2
32.5°	827.9	826.1	827.9	827.9	826.1	826.1	819.0	816.4	817.3	822.6	812.0
35°	800.5	797.8	800.5	799.6	800.5	797.8	793.5	792.6	789.0	795.2	787.2
37.5°	768.7	766.1	768.7	768.7	768.7	770.4	766.9	764.3	758.9	766.9	760.7
40°	736.0	732.5	736.0	735.1	736.0	737.8	736.0	734.3	728.9	735.1	729.8
42.5°	698.9	698.0	698.9	699.7	699.7	703.3	706.0	702.5	700.6	696.2	699.7
45°	659.2	657.3	659.2	660.9	661.8	663.6	671.5	671.5	668.8	661.8	667.1
47.5°	616.7	612.3	616.7	622.0	622.0	624.6	632.6	638.8	634.4	625.5	628.2
50°	571.7	572.6	571.7	575.2	575.2	584.9	591.1	597.2	601.7	591.1	578.7
52.5°	527.5	526.6	527.5	530.1	533.7	538.0	548.7	554.9	561.9	555.8	536.3
55°	483.3	485.1	483.3	484.2	486.0	488.6	504.5	510.7	523.9	516.0	495.7
57.5°	439.2	436.5	439.2	440.9	441.8	444.4	457.7	469.2	477.1	478.0	453.3
60°	387.9	384.3	387.9	395.9	397.6	399.4	411.7	422.4	429.4	432.0	406.5
62.5°	342.8	336.7	342.8	348.2	351.7	356.1	364.9	380.8	387.0	387.9	351.7
65°	295.1	292.5	295.1	305.7	306.6	311.9	321.6	333.1	346.3	344.6	292.5
67.5°	251.8	251.8	251.8	258.9	264.2	266.8	279.2	284.5	301.3	303.1	243.9
70°	212.0	211.1	212.0	217.4	220.9	227.0	238.5	244.8	258.0	262.4	197.9
72.5°	174.1	173.2	174.1	178.5	182.0	187.3	197.0	204.1	215.6	220.9	153.7
75°	140.5	138.7	140.5	144.0	143.2	150.2	158.2	165.2	175.8	179.3	114.0
77.5°	107.8	107.8	107.8	111.4	111.4	118.4	121.9	130.8	136.9	142.3	84.0
80°	80.4	79.5	80.4	81.3	81.3	84.8	91.0	97.2	102.5	102.5	57.4
82.5°	56.6	54.8	56.6	56.6	56.6	58.3	61.8	63.6	67.2	69.8	36.2
85°	35.3	35.3	35.3	36.2	35.3	37.2	38.0	39.8	39.8	38.0	22.0
87.5°	23.0	22.0	23.0	22.0	22.0	21.2	21.2	21.2	20.3	19.4	12.4
90°	25.9	25.9	25.9	25.9	25.9	34.5	46.0	51.8	44.5	30.0	19.1
92.5°	103.8	83.2	103.8	124.5	129.6	183.7	255.8	291.9	256.3	185.1	131.7
95°	361.9	299.4	361.9	424.3	439.9	577.7	761.5	853.4	720.7	455.4	256.5
97.5°	867.1	748.3	867.1	986.0	1015.7	1102.8	1218.9	1277.0	1055.8	613.4	281.7
100°	1249.4	1107.8	1249.4	1390.9	1426.3	1419.9	1411.4	1407.2	1161.8	670.9	302.8
102.5°	1625.3	1504.1	1625.3	1746.6	1776.9	1666.0	1518.0	1444.0	1195.1	697.4	324.0
105°	2104.7	2039.5	2104.7	2169.8	2186.2	1937.4	1605.8	1440.0	1199.0	716.9	355.4
107.5°	2418.7	2434.5	2418.7	2402.9	2399.0	2052.1	1589.5	1358.1	1145.6	720.6	401.7
110°	2538.5	2606.4	2538.5	2470.6	2453.6	2065.7	1548.4	1289.9	1098.2	715.0	427.6



TEST NUMBER: P935461

CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2549.1	2653.4	2549.1	2444.8	2418.8	2021.8	1492.4	1227.8	1056.9	715.3	459.1
115°	2481.6	2626.1	2481.6	2337.0	2300.8	1918.4	1408.4	1153.5	1009.6	722.0	506.2
117.5°	2338.2	2498.6	2338.2	2177.8	2137.8	1792.6	1332.4	1102.3	979.9	735.3	551.8
120°	2222.7	2378.5	2222.7	2066.9	2027.9	1712.5	1292.1	1081.8	969.9	746.2	578.4
122.5°	2110.2	2263.9	2110.2	1956.5	1918.1	1634.2	1255.5	1066.2	964.7	761.9	609.8
125°	1949.8	2091.4	1949.8	1808.2	1772.9	1531.6	1209.9	1049.1	960.4	783.1	650.0
127.5°	1805.5	1925.0	1805.5	1686.1	1656.2	1449.1	1172.9	1034.8	958.0	804.3	688.9
130°	1720.5	1830.8	1720.5	1610.1	1582.5	1398.1	1152.2	1029.3	959.4	819.6	714.8
132.5°	1643.3	1742.1	1643.3	1544.4	1519.7	1354.7	1134.6	1024.5	960.4	832.2	736.0
135°	1537.6	1622.7	1537.6	1452.4	1431.1	1292.9	1108.5	1016.4	959.5	845.8	760.5
137.5°	1452.7	1522.4	1452.7	1383.0	1365.6	1248.7	1092.9	1015.0	965.4	866.3	792.0
140°	1394.6	1459.7	1394.6	1329.4	1313.1	1212.1	1077.5	1010.2	966.4	878.7	813.0
142.5°	1346.3	1402.5	1346.3	1290.3	1276.3	1187.6	1069.3	1010.2	969.9	889.3	828.8
145°	1274.1	1316.5	1274.1	1231.6	1221.0	1148.5	1051.8	1003.4	969.9	902.9	852.7
147.5°	1218.6	1253.8	1218.6	1183.4	1174.6	1117.6	1041.4	1003.4	976.6	922.9	882.7
150°	1183.7	1212.1	1183.7	1155.1	1148.0	1099.8	1035.5	1003.4	980.0	933.4	898.3
152.5°	1153.7	1175.3	1153.7	1132.2	1126.9	1085.7	1030.8	1003.4	982.3	940.2	908.6
155°	1119.5	1133.7	1119.5	1105.3	1101.7	1068.9	1025.2	1003.4	987.3	955.2	931.1
157.5°	1092.3	1102.3	1092.3	1082.2	1079.8	1054.3	1020.3	1003.4	992.3	970.2	953.6
160°	1076.1	1081.8	1076.1	1070.3	1068.9	1047.0	1018.0	1003.4	994.6	977.0	963.8
162.5°	1065.5	1070.9	1065.5	1060.0	1058.6	1040.2	1015.7	1003.4	997.0	984.3	974.7
165°	1050.2	1055.9	1050.2	1044.4	1043.0	1029.8	1012.2	1003.4	1000.5	994.8	990.5
167.5°	1039.1	1041.6	1039.1	1036.7	1036.1	1027.5	1016.0	1010.2	1007.8	1002.9	999.3
170°	1036.1	1036.1	1036.1	1036.1	1036.1	1027.5	1016.0	1010.2	1010.0	1009.8	1009.5
172.5°	1028.1	1025.9	1028.1	1030.2	1030.7	1023.8	1014.8	1010.2	1010.2	1010.2	1010.2
175°	1023.2	1023.2	1023.2	1023.2	1023.2	1018.9	1013.1	1010.2	1011.6	1014.3	1016.4
177.5°	1018.8	1016.4	1018.8	1021.2	1021.8	1018.4	1013.8	1011.5	1012.6	1014.8	1016.4
180°	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9
2.5°	947.2	941.9	941.9	933.0	929.5	926.9	922.4	909.2	905.6	902.1	907.4
5°	955.2	945.4	938.3	922.4	909.2	903.9	887.1	855.3	834.0	818.1	809.4
7.5°	956.9	944.5	931.3	906.5	874.7	860.6	809.4	751.0	735.1	721.0	712.1
10°	955.2	941.0	922.4	885.3	810.2	785.5	734.3	696.2	686.5	683.8	686.5
12.5°	948.9	935.7	910.1	848.2	743.0	726.3	696.2	674.2	672.3	676.8	700.6
15°	938.3	926.0	896.0	798.7	706.0	693.6	672.3	664.4	674.2	705.1	776.7
17.5°	927.7	913.6	876.5	750.2	677.7	668.8	653.8	669.7	724.5	766.1	789.9
20°	913.6	896.8	854.4	714.8	657.3	649.4	642.3	713.9	755.4	770.4	783.7
22.5°	896.8	879.1	824.4	690.1	636.2	630.0	634.4	738.7	755.4	766.1	777.6
25°	874.7	859.7	789.0	670.6	619.4	612.3	629.1	736.0	745.7	748.4	771.3
27.5°	854.4	834.9	751.9	652.9	599.1	596.4	633.5	724.5	731.6	734.3	758.9
30°	829.6	800.5	710.4	634.4	577.8	577.0	634.4	710.4	708.6	715.6	740.4
32.5°	804.0	749.3	663.6	611.4	557.5	556.7	628.2	689.2	687.4	697.1	715.6
35°	780.2	709.5	600.0	584.9	531.9	532.8	613.1	664.4	665.3	674.2	685.6
37.5°	755.4	675.1	530.1	555.8	507.1	507.1	592.9	641.4	639.7	642.3	658.3
40°	726.3	621.1	468.3	517.8	484.2	481.6	568.1	616.7	610.5	609.6	631.8
42.5°	695.4	561.9	422.4	467.4	457.7	454.2	538.0	586.7	575.2	577.8	606.1
45°	661.8	546.0	387.0	395.0	430.3	427.6	505.4	552.2	544.3	551.3	580.5
47.5°	628.2	514.2	375.5	327.8	401.1	400.2	469.2	518.6	514.2	521.3	552.2
50°	582.2	478.8	374.6	281.0	368.4	372.0	425.9	486.0	486.0	492.1	524.9
52.5°	523.0	435.5	340.2	254.4	330.4	341.0	387.9	457.7	459.4	465.7	494.7
55°	469.2	390.5	315.4	234.2	285.4	308.4	350.8	428.5	432.0	438.3	464.7
57.5°	419.7	325.1	310.1	210.3	243.9	265.9	318.1	400.2	402.0	407.4	432.9
60°	366.7	235.0	284.5	184.6	207.6	224.4	288.0	366.7	372.8	376.4	398.5
62.5°	306.6	170.6	258.0	167.0	190.0	193.5	263.3	334.9	342.8	345.4	358.7
65°	218.3	143.2	219.1	151.9	171.4	172.3	236.8	302.1	309.2	313.6	323.4
67.5°	147.6	116.6	167.0	137.8	157.3	158.2	211.1	264.2	273.9	277.5	283.6
70°	102.5	77.7	123.7	122.8	141.4	143.2	183.7	229.8	238.5	241.2	244.8
72.5°	75.1	62.7	102.5	110.4	124.5	126.4	155.5	190.9	199.7	202.4	204.1
75°	57.4	66.2	83.1	96.3	106.0	106.9	127.3	155.5	161.7	163.5	164.3
77.5°	45.9	61.8	61.0	77.7	86.6	84.8	99.9	120.2	125.4	125.4	125.4
80°	34.4	48.6	45.9	55.7	63.6	61.8	71.6	85.7	87.5	89.2	88.4
82.5°	25.6	30.9	30.9	35.3	42.4	40.7	47.7	55.7	55.7	55.7	57.4
85°	15.9	17.7	14.1	18.5	23.9	23.0	26.5	30.0	30.9	30.9	29.2
87.5°	9.7	8.0	4.4	7.0	10.6	10.6	12.4	13.3	12.4	12.4	12.4
90°	17.7	12.3	6.9	12.3	17.7	19.1	30.0	44.5	51.8	46.0	34.5
92.5°	120.1	73.7	27.3	73.7	120.1	131.7	185.1	256.3	291.9	255.8	183.7
95°	235.2	150.4	65.5	150.4	235.2	256.5	455.4	720.7	853.4	761.5	577.7
97.5°	263.0	188.0	113.2	188.0	263.0	281.7	613.4	1055.8	1277.0	1218.9	1102.8
100°	285.9	218.0	150.1	218.0	285.9	302.8	670.9	1161.8	1407.2	1411.4	1419.9
102.5°	308.2	244.8	181.5	244.8	308.2	324.0	697.4	1195.1	1444.0	1518.0	1666.0
105°	341.9	288.3	234.7	288.3	341.9	355.4	716.9	1199.0	1440.0	1605.8	1937.4
107.5°	389.3	339.2	289.2	339.2	389.3	401.7	720.6	1145.6	1358.1	1589.5	2052.1
110°	416.3	371.2	326.0	371.2	416.3	427.6	715.0	1098.2	1289.9	1548.4	2065.7



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CATALOG NUMBER: SQ4-FA-125U-050D-93050-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	448.3	405.2	362.2	405.2	448.3	459.1	715.3	1056.9	1227.8	1492.4	2021.8
115°	496.2	456.5	416.8	456.5	496.2	506.2	722.0	1009.6	1153.5	1408.4	1918.4
117.5°	542.8	506.8	470.7	506.8	542.8	551.8	735.3	979.9	1102.3	1332.4	1792.6
120°	569.9	536.0	502.0	536.0	569.9	578.4	746.2	969.9	1081.8	1292.1	1712.5
122.5°	601.3	567.0	532.8	567.0	601.3	609.8	761.9	964.7	1066.2	1255.5	1634.2
125°	642.2	611.0	579.8	611.0	642.2	650.0	783.1	960.4	1049.1	1209.9	1531.6
127.5°	681.0	649.5	618.0	649.5	681.0	688.9	804.3	958.0	1034.8	1172.9	1449.1
130°	706.3	672.4	638.4	672.4	706.3	714.8	819.6	959.4	1029.3	1152.2	1398.1
132.5°	727.5	693.6	659.6	693.6	727.5	736.0	832.2	960.4	1024.5	1134.6	1354.7
135°	752.8	721.9	691.0	721.9	752.8	760.5	845.8	959.5	1016.4	1108.5	1292.9
137.5°	784.3	753.7	723.0	753.7	784.3	792.0	866.3	965.4	1015.0	1092.9	1248.7
140°	806.0	777.8	749.6	777.8	806.0	813.0	878.7	966.4	1010.2	1077.5	1212.1
142.5°	822.3	796.2	770.1	796.2	822.3	828.8	889.3	969.9	1010.2	1069.3	1187.6
145°	846.9	824.2	801.4	824.2	846.9	852.7	902.9	969.9	1003.4	1051.8	1148.5
147.5°	877.2	855.0	832.9	855.0	877.2	882.7	922.9	976.6	1003.4	1041.4	1117.6
150°	893.3	873.4	853.4	873.4	893.3	898.3	933.4	980.0	1003.4	1035.5	1099.8
152.5°	904.8	889.6	874.4	889.6	904.8	908.6	940.2	982.3	1003.4	1030.8	1085.7
155°	928.3	917.1	905.9	917.1	928.3	931.1	955.2	987.3	1003.4	1025.2	1068.9
157.5°	950.8	940.0	929.1	940.0	950.8	953.6	970.2	992.3	1003.4	1020.3	1054.3
160°	961.7	953.2	944.7	953.2	961.7	963.8	977.0	994.6	1003.4	1018.0	1047.0
162.5°	973.2	966.7	960.4	966.7	973.2	974.7	984.3	997.0	1003.4	1015.7	1040.2
165°	989.1	983.3	977.5	983.3	989.1	990.5	994.8	1000.5	1003.4	1012.2	1029.8
167.5°	998.6	995.9	993.2	995.9	998.6	999.3	1002.9	1007.8	1010.2	1016.0	1027.5
170°	1008.8	1006.1	1003.4	1006.1	1008.8	1009.5	1009.8	1010.0	1010.2	1016.0	1027.5
172.5°	1010.0	1009.4	1008.8	1009.4	1010.0	1010.2	1010.2	1010.2	1010.2	1014.8	1023.8
175°	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1014.3	1011.6	1010.2	1013.1	1018.9
177.5°	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1014.8	1012.6	1011.5	1013.8	1018.4
180°	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9	933.9
2.5°	901.2	898.6	902.1	892.4	902.1	898.6	901.2	907.4	902.1	905.6	909.2
5°	790.8	786.3	772.2	760.7	772.2	786.3	790.8	809.4	818.1	834.0	855.3
7.5°	706.9	703.3	699.7	692.7	699.7	703.3	706.9	712.1	721.0	735.1	751.0
10°	688.3	689.2	694.5	693.6	694.5	689.2	688.3	686.5	683.8	686.5	696.2
12.5°	736.0	743.9	773.1	771.3	773.1	743.9	736.0	700.6	676.8	672.3	674.2
15°	790.8	793.5	799.6	800.5	799.6	793.5	790.8	776.7	705.1	674.2	664.4
17.5°	796.1	797.0	801.4	801.4	801.4	797.0	796.1	789.9	766.1	724.5	669.7
20°	791.7	793.5	802.2	804.0	802.2	793.5	791.7	783.7	770.4	755.4	713.9
22.5°	789.9	793.5	800.5	799.6	800.5	793.5	789.9	777.6	766.1	755.4	738.7
25°	781.1	781.1	782.0	782.8	782.0	781.1	781.1	771.3	748.4	745.7	736.0
27.5°	762.5	764.3	769.6	768.7	769.6	764.3	762.5	758.9	734.3	731.6	724.5
30°	745.7	743.9	739.5	736.0	739.5	743.9	745.7	740.4	715.6	708.6	710.4
32.5°	717.5	713.0	708.6	706.0	708.6	713.0	717.5	715.6	697.1	687.4	689.2
35°	683.8	684.7	683.8	681.2	683.8	684.7	683.8	685.6	674.2	665.3	664.4
37.5°	660.0	661.8	660.9	657.3	660.9	661.8	660.0	658.3	642.3	639.7	641.4
40°	635.3	636.2	635.3	632.6	635.3	636.2	635.3	631.8	609.6	610.5	616.7
42.5°	611.4	610.5	607.9	606.1	607.9	610.5	611.4	606.1	577.8	575.2	586.7
45°	584.1	584.9	579.6	577.0	579.6	584.9	584.1	580.5	551.3	544.3	552.2
47.5°	556.7	556.7	552.2	549.6	552.2	556.7	556.7	552.2	521.3	514.2	518.6
50°	527.5	526.6	520.4	519.5	520.4	526.6	527.5	524.9	492.1	486.0	486.0
52.5°	493.9	493.9	494.7	496.6	494.7	493.9	493.9	494.7	465.7	459.4	457.7
55°	464.7	465.7	471.8	473.6	471.8	465.7	464.7	464.7	438.3	432.0	428.5
57.5°	434.7	434.7	439.2	439.2	439.2	434.7	434.7	432.9	407.4	402.0	400.2
60°	400.2	402.0	405.5	404.6	405.5	402.0	400.2	398.5	376.4	372.8	366.7
62.5°	364.1	365.8	366.7	364.9	366.7	365.8	364.1	358.7	345.4	342.8	334.9
65°	326.0	327.8	328.7	326.9	328.7	327.8	326.0	323.4	313.6	309.2	302.1
67.5°	287.1	286.2	285.4	289.0	285.4	286.2	287.1	283.6	277.5	273.9	264.2
70°	247.4	247.4	246.5	248.3	246.5	247.4	247.4	244.8	241.2	238.5	229.8
72.5°	205.0	204.1	207.6	205.0	207.6	204.1	205.0	204.1	202.4	199.7	190.9
75°	163.5	165.2	163.5	166.1	163.5	165.2	163.5	164.3	163.5	161.7	155.5
77.5°	124.5	126.4	124.5	124.5	124.5	126.4	124.5	125.4	125.4	125.4	120.2
80°	88.4	87.5	87.5	86.6	87.5	87.5	88.4	88.4	89.2	87.5	85.7
82.5°	56.6	55.7	55.7	57.4	55.7	55.7	56.6	57.4	55.7	55.7	55.7
85°	30.9	31.8	30.0	30.0	30.0	31.8	30.9	29.2	30.9	30.9	30.0
87.5°	11.5	10.6	10.6	10.6	10.6	10.6	11.5	12.4	12.4	12.4	13.3
90°	25.9	25.9	25.9	25.9	25.9	25.9	25.9	34.5	46.0	51.8	44.5
92.5°	129.6	124.5	103.8	83.2	103.8	124.5	129.6	183.7	255.8	291.9	256.3
95°	439.9	424.3	361.9	299.4	361.9	424.3	439.9	577.7	761.5	853.4	720.7
97.5°	1015.7	986.0	867.1	748.3	867.1	986.0	1015.7	1102.8	1218.9	1277.0	1055.8
100°	1426.3	1390.9	1249.4	1107.8	1249.4	1390.9	1426.3	1419.9	1411.4	1407.2	1161.8
102.5°	1776.9	1746.6	1625.3	1504.1	1625.3	1746.6	1776.9	1666.0	1518.0	1444.0	1195.1
105°	2186.2	2169.8	2104.7	2039.5	2104.7	2169.8	2186.2	1937.4	1605.8	1440.0	1199.0
107.5°	2399.0	2402.9	2418.7	2434.5	2418.7	2402.9	2399.0	2052.1	1589.5	1358.1	1145.6
110°	2453.6	2470.6	2538.5	2606.4	2538.5	2470.6	2453.6	2065.7	1548.4	1289.9	1098.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2418.8	2444.8	2549.1	2653.4	2549.1	2444.8	2418.8	2021.8	1492.4	1227.8	1056.9
115°	2300.8	2337.0	2481.6	2626.1	2481.6	2337.0	2300.8	1918.4	1408.4	1153.5	1009.6
117.5°	2137.8	2177.8	2338.2	2498.6	2338.2	2177.8	2137.8	1792.6	1332.4	1102.3	979.9
120°	2027.9	2066.9	2222.7	2378.5	2222.7	2066.9	2027.9	1712.5	1292.1	1081.8	969.9
122.5°	1918.1	1956.5	2110.2	2263.9	2110.2	1956.5	1918.1	1634.2	1255.5	1066.2	964.7
125°	1772.9	1808.2	1949.8	2091.4	1949.8	1808.2	1772.9	1531.6	1209.9	1049.1	960.4
127.5°	1656.2	1686.1	1805.5	1925.0	1805.5	1686.1	1656.2	1449.1	1172.9	1034.8	958.0
130°	1582.5	1610.1	1720.5	1830.8	1720.5	1610.1	1582.5	1398.1	1152.2	1029.3	959.4
132.5°	1519.7	1544.4	1643.3	1742.1	1643.3	1544.4	1519.7	1354.7	1134.6	1024.5	960.4
135°	1431.1	1452.4	1537.6	1622.7	1537.6	1452.4	1431.1	1292.9	1108.5	1016.4	959.5
137.5°	1365.6	1383.0	1452.7	1522.4	1452.7	1383.0	1365.6	1248.7	1092.9	1015.0	965.4
140°	1313.1	1329.4	1394.6	1459.7	1394.6	1329.4	1313.1	1212.1	1077.5	1010.2	966.4
142.5°	1276.3	1290.3	1346.3	1402.5	1346.3	1290.3	1276.3	1187.6	1069.3	1010.2	969.9
145°	1221.0	1231.6	1274.1	1316.5	1274.1	1231.6	1221.0	1148.5	1051.8	1003.4	969.9
147.5°	1174.6	1183.4	1218.6	1253.8	1218.6	1183.4	1174.6	1117.6	1041.4	1003.4	976.6
150°	1148.0	1155.1	1183.7	1212.1	1183.7	1155.1	1148.0	1099.8	1035.5	1003.4	980.0
152.5°	1126.9	1132.2	1153.7	1175.3	1153.7	1132.2	1126.9	1085.7	1030.8	1003.4	982.3
155°	1101.7	1105.3	1119.5	1133.7	1119.5	1105.3	1101.7	1068.9	1025.2	1003.4	987.3
157.5°	1079.8	1082.2	1092.3	1102.3	1092.3	1082.2	1079.8	1054.3	1020.3	1003.4	992.3
160°	1068.9	1070.3	1076.1	1081.8	1076.1	1070.3	1068.9	1047.0	1018.0	1003.4	994.6
162.5°	1058.6	1060.0	1065.5	1070.9	1065.5	1060.0	1058.6	1040.2	1015.7	1003.4	997.0
165°	1043.0	1044.4	1050.2	1055.9	1050.2	1044.4	1043.0	1029.8	1012.2	1003.4	1000.5
167.5°	1036.1	1036.7	1039.1	1041.6	1039.1	1036.7	1036.1	1027.5	1016.0	1010.2	1007.8
170°	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1027.5	1016.0	1010.2	1010.0
172.5°	1030.7	1030.2	1028.1	1025.9	1028.1	1030.2	1030.7	1023.8	1014.8	1010.2	1010.2
175°	1023.2	1023.2	1023.2	1023.2	1023.2	1023.2	1023.2	1018.9	1013.1	1010.2	1011.6
177.5°	1021.8	1021.2	1018.8	1016.4	1018.8	1021.2	1021.8	1018.4	1013.8	1011.5	1012.6
180°	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	933.9	933.9	933.9	933.9	933.9
2.5°	922.4	926.9	929.5	933.0	941.9
5°	887.1	903.9	909.2	922.4	938.3
7.5°	809.4	860.6	874.7	906.5	931.3
10°	734.3	785.5	810.2	885.3	922.4
12.5°	696.2	726.3	743.0	848.2	910.1
15°	672.3	693.6	706.0	798.7	896.0
17.5°	653.8	668.8	677.7	750.2	876.5
20°	642.3	649.4	657.3	714.8	854.4
22.5°	634.4	630.0	636.2	690.1	824.4
25°	629.1	612.3	619.4	670.6	789.0
27.5°	633.5	596.4	599.1	652.9	751.9
30°	634.4	577.0	577.8	634.4	710.4
32.5°	628.2	556.7	557.5	611.4	663.6
35°	613.1	532.8	531.9	584.9	600.0
37.5°	592.9	507.1	507.1	555.8	530.1
40°	568.1	481.6	484.2	517.8	468.3
42.5°	538.0	454.2	457.7	467.4	422.4
45°	505.4	427.6	430.3	395.0	387.0
47.5°	469.2	400.2	401.1	327.8	375.5
50°	425.9	372.0	368.4	281.0	374.6
52.5°	387.9	341.0	330.4	254.4	340.2
55°	350.8	308.4	285.4	234.2	315.4
57.5°	318.1	265.9	243.9	210.3	310.1
60°	288.0	224.4	207.6	184.6	284.5
62.5°	263.3	193.5	190.0	167.0	258.0
65°	236.8	172.3	171.4	151.9	219.1
67.5°	211.1	158.2	157.3	137.8	167.0
70°	183.7	143.2	141.4	122.8	123.7
72.5°	155.5	126.4	124.5	110.4	102.5
75°	127.3	106.9	106.0	96.3	83.1
77.5°	99.9	84.8	86.6	77.7	61.0
80°	71.6	61.8	63.6	55.7	45.9
82.5°	47.7	40.7	42.4	35.3	30.9
85°	26.5	23.0	23.9	18.5	14.1
87.5°	12.4	10.6	10.6	7.0	4.4
90°	30.0	19.1	17.7	12.3	6.9
92.5°	185.1	131.7	120.1	73.7	27.3
95°	455.4	256.5	235.2	150.4	65.5
97.5°	613.4	281.7	263.0	188.0	113.2
100°	670.9	302.8	285.9	218.0	150.1
102.5°	697.4	324.0	308.2	244.8	181.5
105°	716.9	355.4	341.9	288.3	234.7
107.5°	720.6	401.7	389.3	339.2	289.2
110°	715.0	427.6	416.3	371.2	326.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	715.3	459.1	448.3	405.2	362.2
115°	722.0	506.2	496.2	456.5	416.8
117.5°	735.3	551.8	542.8	506.8	470.7
120°	746.2	578.4	569.9	536.0	502.0
122.5°	761.9	609.8	601.3	567.0	532.8
125°	783.1	650.0	642.2	611.0	579.8
127.5°	804.3	688.9	681.0	649.5	618.0
130°	819.6	714.8	706.3	672.4	638.4
132.5°	832.2	736.0	727.5	693.6	659.6
135°	845.8	760.5	752.8	721.9	691.0
137.5°	866.3	792.0	784.3	753.7	723.0
140°	878.7	813.0	806.0	777.8	749.6
142.5°	889.3	828.8	822.3	796.2	770.1
145°	902.9	852.7	846.9	824.2	801.4
147.5°	922.9	882.7	877.2	855.0	832.9
150°	933.4	898.3	893.3	873.4	853.4
152.5°	940.2	908.6	904.8	889.6	874.4
155°	955.2	931.1	928.3	917.1	905.9
157.5°	970.2	953.6	950.8	940.0	929.1
160°	977.0	963.8	961.7	953.2	944.7
162.5°	984.3	974.7	973.2	966.7	960.4
165°	994.8	990.5	989.1	983.3	977.5
167.5°	1002.9	999.3	998.6	995.9	993.2
170°	1009.8	1009.5	1008.8	1006.1	1003.4
172.5°	1010.2	1010.2	1010.0	1009.4	1008.8
175°	1014.3	1016.4	1016.4	1016.4	1016.4
177.5°	1014.8	1016.4	1016.4	1016.4	1016.4
180°	1016.4	1016.4	1016.4	1016.4	1016.4



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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	8.24	8.93	9.37	10.05	11.62	11.07	11.75	12.20	12.88	14.44
	3H	8.70	9.32	9.85	10.45	12.03	12.40	13.01	13.54	14.14	15.72
	4H	8.89	9.47	10.04	10.60	12.19	12.83	13.41	13.98	14.55	16.13
	6H	9.00	9.53	10.16	10.67	12.27	13.10	13.64	14.26	14.78	16.38
	8H	8.99	9.50	10.15	10.65	12.24	13.17	13.68	14.33	14.83	16.43
	12H	8.96	9.44	10.12	10.59	12.20	13.20	13.69	14.37	14.83	16.45
4H	2H	9.25	9.83	10.41	10.97	12.55	11.45	12.04	12.61	13.17	14.76
	3H	10.26	10.75	11.42	11.91	13.51	12.94	13.43	14.10	14.58	16.18
	4H	10.53	10.98	11.69	12.12	13.74	13.46	13.91	14.63	15.05	16.67
	6H	10.64	11.03	11.81	12.20	13.81	13.81	14.20	14.98	15.37	16.98
	8H	10.65	11.00	11.82	12.16	13.79	13.92	14.27	15.08	15.43	17.06
	12H	10.60	10.93	11.79	12.10	13.73	13.96	14.29	15.15	15.46	17.09
8H	4H	10.97	11.32	12.14	12.49	14.11	13.57	13.93	14.74	15.09	16.71
	6H	11.22	11.52	12.41	12.72	14.34	14.00	14.29	15.19	15.50	17.12
	8H	11.26	11.52	12.46	12.70	14.34	14.15	14.40	15.34	15.59	17.23
	12H	11.24	11.46	12.44	12.64	14.32	14.24	14.46	15.44	15.64	17.32
12H	4H	10.96	11.29	12.15	12.46	14.09	13.53	13.85	14.71	15.02	16.65
	6H	11.28	11.54	12.48	12.72	14.36	13.99	14.25	15.19	15.43	17.07
	8H	11.34	11.56	12.54	12.74	14.42	14.15	14.37	15.34	15.55	17.23