

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: P935514

Luminaire Tested: SQ4-FA-125U-075D-835-1D-UNV-STD-W-4

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935514
REPORT IS A COMBINATION OF REPORTS P933758 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-075D-835-1D-UNV-STD-W-4
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

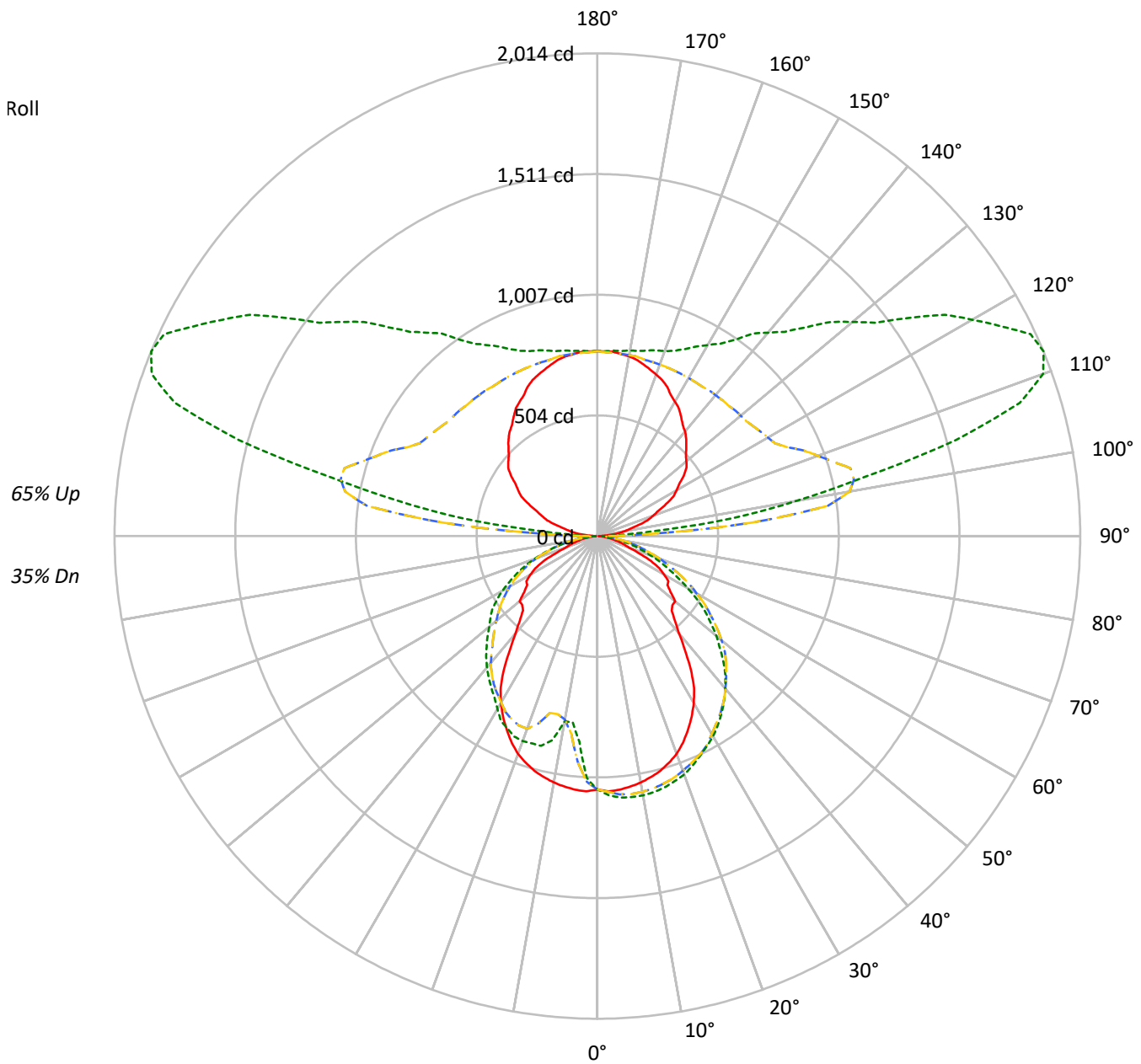
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7745.0 lumens
Efficiency: N/A
Efficacy: 139.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 55.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20	
RC	80				70				50				30				10				0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35				35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30				30
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25				25
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21				21
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18				18
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16				16
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14				14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12				12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11				11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10				10
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9				9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9809	9809	9809	9809
5°	9872	9903	9872	7786
10°	9795	9755	9795	6974
15°	9677	9543	9677	7968
20°	9464	9292	9464	7985
25°	9039	8927	9039	7816
30°	8493	8624	8493	7444
35°	7560	8241	7560	7036
40°	6289	7789	6289	6728
45°	5609	7261	5609	6373
50°	5945	6631	5945	6017
55°	5578	5952	5578	5811
60°	5728	5055	5728	5323
65°	5168	4178	5168	4672
70°	3554	3330	3554	3915
75°	3083	2461	3083	2947
80°	2434	1627	2434	1772
85°	1325	862	1325	733

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8612 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.4	1.2
10°-20°	270.9	3.5
20°-30°	418.8	5.4
30°-40°	500.0	6.5
40°-50°	502.9	6.5
50°-60°	437.6	5.7
60°-70°	310.3	4.0
70°-80°	164.1	2.1
80°-90°	43.8	0.6
90°-100°	376.0	4.9
100°-110°	988.7	12.8
110°-120°	1025.1	13.2
120°-130°	822.3	10.6
130°-140°	645.2	8.3
140°-150°	495.2	6.4
150°-160°	356.6	4.6
160°-170°	218.2	2.8
170°-180°	73.7	1.0
0°-30°	785.2	10.1
0°-40°	1285.2	16.6
0°-60°	2225.7	28.7
0°-90°	2743.9	35.4
90°-120°	2389.8	30.9
90°-150°	4352.5	56.2
90°-180°	5001.0	64.6
0°-180°	7745.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1057	1057	1057	1057	1057	
5°	1062	1095	1062	861	1062	101
15°	1014	1085	1014	906	1014	285
25°	893	1012	893	886	893	410
35°	679	903	679	771	679	420
45°	438	744	438	653	438	351
55°	357	549	357	536	357	328
65°	248	331	248	370	248	237
75°	94	157	94	188	94	99
85°	16	40	16	34	16	22
90°	5	20	5	20	5	5
95°	50	227	50	227	50	55
105°	178	1548	178	1548	178	189
115°	316	1993	316	1993	316	312
125°	440	1587	440	1587	440	391
135°	524	1232	524	1232	524	406
145°	608	999	608	999	608	381
155°	688	860	688	860	688	316
165°	742	802	742	802	742	209
175°	772	777	772	777	772	73
180°	772	772	772	772	772	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1057.1	1057.1	1057.1	1057.1	1057.1	1057.1	1057.1	1057.1	1057.1	1057.1	1057.1
2.5°	1066.1	1066.1	1072.2	1074.2	1074.2	1071.2	1068.2	1071.2	1080.2	1083.2	1082.2
5°	1062.1	1070.2	1081.2	1083.2	1085.2	1084.2	1082.2	1084.2	1094.2	1096.2	1097.2
7.5°	1054.1	1069.2	1083.2	1086.2	1089.2	1086.2	1085.2	1087.2	1097.2	1099.2	1099.2
10°	1044.1	1065.1	1081.2	1083.2	1086.2	1083.2	1083.2	1087.2	1097.2	1099.2	1100.2
12.5°	1030.1	1059.1	1074.2	1076.2	1080.2	1079.2	1078.2	1082.2	1092.2	1094.2	1094.2
15°	1014.1	1048.1	1062.1	1064.1	1071.2	1069.2	1069.2	1073.2	1084.2	1087.2	1086.2
17.5°	992.1	1034.1	1050.1	1053.1	1058.1	1057.1	1058.1	1062.1	1072.2	1074.2	1075.2
20°	967.1	1015.1	1034.1	1037.1	1042.1	1042.1	1042.1	1047.1	1057.1	1061.1	1061.1
22.5°	933.1	995.1	1015.1	1017.1	1023.1	1023.1	1025.1	1032.1	1041.1	1042.1	1042.1
25°	893.1	973.1	990.1	996.1	1002.1	1005.1	1008.1	1012.1	1015.1	1014.1	1015.1
27.5°	851.1	945.1	967.1	971.1	979.1	982.1	986.1	987.1	988.1	991.1	989.1
30°	804.1	906.1	939.1	943.1	956.1	958.1	954.1	956.1	961.1	963.1	965.1
32.5°	751.1	848.1	910.1	919.1	931.1	925.1	924.1	927.1	935.1	935.1	937.1
35°	679.1	803.1	883.1	891.1	900.1	893.1	897.1	898.1	903.1	906.1	905.1
37.5°	600.1	764.1	855.1	861.1	868.1	859.1	865.1	868.1	872.1	870.1	870.1
40°	530.1	703.1	822.1	826.1	832.1	825.1	831.1	833.1	835.1	833.1	832.1
42.5°	478.1	636.1	787.1	792.1	788.1	793.1	795.1	799.1	796.1	792.1	792.1
45°	438.1	618.1	749.1	755.1	749.1	757.1	760.1	760.1	751.1	749.1	748.1
47.5°	425.1	582.1	711.1	711.1	708.1	718.1	723.1	716.1	707.1	704.1	704.1
50°	424.1	542.1	659.1	655.1	669.1	681.1	676.1	669.1	662.1	651.1	651.1
52.5°	385.1	493.1	592.1	607.1	629.1	636.1	628.1	621.1	609.1	604.1	600.1
55°	357.1	442.1	531.1	561.1	584.1	593.1	578.1	571.1	553.1	550.1	548.1
57.5°	351.0	368.1	475.1	513.1	541.1	540.1	531.1	518.1	503.1	500.1	499.1
60°	322.0	266.0	415.1	460.1	489.1	486.1	478.1	466.1	452.1	450.1	448.1
62.5°	292.0	193.0	347.0	398.1	439.1	438.1	431.1	413.1	403.1	398.1	394.1
65°	248.0	162.0	247.0	331.0	390.1	392.1	377.1	364.1	353.0	347.0	346.0
67.5°	189.0	132.0	167.0	276.0	343.0	341.0	322.0	316.0	302.0	299.0	293.0
70°	140.0	88.0	116.0	224.0	297.0	292.0	277.0	270.0	257.0	250.0	246.0
72.5°	116.0	71.0	85.0	174.0	250.0	244.0	231.0	223.0	212.0	206.0	202.0
75°	94.0	75.0	65.0	129.0	203.0	199.0	187.0	179.0	170.0	162.0	163.0
77.5°	69.0	70.0	52.0	95.0	161.0	155.0	148.0	138.0	134.0	126.0	126.0
80°	52.0	55.0	39.0	65.0	116.0	116.0	110.0	103.0	96.0	92.0	92.0
82.5°	35.0	35.0	29.0	41.0	79.0	76.0	72.0	70.0	66.0	64.0	64.0
85°	16.0	20.0	18.0	25.0	43.0	45.0	45.0	43.0	42.0	40.0	41.0
87.5°	5.0	9.0	11.0	14.0	22.0	23.0	24.0	24.0	24.0	25.0	25.0
90°	5.2	9.3	13.5	14.5	22.8	33.8	39.3	34.9	26.2	19.7	19.7
92.5°	20.7	55.9	91.1	99.9	140.5	194.6	221.6	194.2	139.5	98.4	94.5
95°	49.7	114.1	178.6	194.7	345.7	547.0	647.7	578.0	438.6	334.0	322.1
97.5°	85.9	142.7	199.6	213.8	465.6	801.3	969.2	925.1	837.0	770.9	748.4
100°	113.9	165.5	217.0	229.9	509.3	881.8	1068.1	1071.3	1077.8	1082.6	1055.7
102.5°	137.7	185.8	233.9	245.9	529.3	907.2	1096.1	1152.3	1264.6	1348.8	1325.8
105°	178.1	218.9	259.6	269.8	544.2	910.1	1093.0	1218.9	1470.6	1659.4	1647.0
107.5°	219.5	257.5	295.5	305.0	547.0	869.6	1030.9	1206.5	1557.6	1820.9	1823.9
110°	247.5	281.8	316.0	324.6	542.8	833.7	979.1	1175.4	1568.0	1862.4	1875.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	274.9	307.6	340.2	348.4	542.9	802.3	932.0	1132.9	1534.7	1836.0	1855.8
115°	316.3	346.5	376.7	384.2	548.0	766.3	875.5	1069.0	1456.1	1746.4	1773.8
117.5°	357.3	384.7	412.1	418.9	558.2	743.9	836.7	1011.3	1360.6	1622.6	1653.0
120°	381.1	406.9	432.7	439.1	566.5	736.3	821.2	980.8	1299.9	1539.3	1568.9
122.5°	404.4	430.4	456.4	462.9	578.4	732.3	809.3	953.0	1240.4	1455.9	1485.1
125°	440.1	463.8	487.5	493.4	594.4	729.0	796.3	918.4	1162.5	1345.6	1372.5
127.5°	469.1	493.0	516.9	522.9	610.4	727.1	785.4	890.2	1099.9	1257.1	1279.8
130°	484.6	510.4	536.2	542.6	622.2	728.3	781.3	874.6	1061.2	1201.2	1222.1
132.5°	500.7	526.5	552.3	558.7	631.7	729.0	777.7	861.2	1028.3	1153.6	1172.3
135°	524.5	548.0	571.4	577.3	642.0	728.3	771.5	841.5	981.4	1086.3	1102.5
137.5°	548.8	572.0	595.3	601.1	657.5	732.8	770.4	829.5	947.8	1036.5	1049.7
140°	569.0	590.4	611.8	617.2	667.1	733.6	766.8	817.9	920.1	996.7	1009.1
142.5°	584.5	604.3	624.1	629.1	675.0	736.2	766.8	811.7	901.4	968.7	979.3
145°	608.4	625.6	642.9	647.2	685.3	736.2	761.6	798.3	871.7	926.8	934.9
147.5°	632.2	649.0	665.8	670.0	700.5	741.2	761.6	790.5	848.3	891.6	898.3
150°	647.7	662.9	678.1	681.9	708.5	743.9	761.6	786.0	834.8	871.4	876.8
152.5°	663.8	675.3	686.8	689.7	713.7	745.6	761.6	782.4	824.1	855.3	859.4
155°	687.6	696.1	704.6	706.7	725.0	749.4	761.6	778.2	811.3	836.2	838.9
157.5°	705.2	713.5	721.7	723.8	736.4	753.2	761.6	774.5	800.3	819.6	821.5
160°	717.1	723.5	730.0	731.6	741.6	754.9	761.6	772.6	794.7	811.3	812.4
162.5°	729.0	733.8	738.7	739.9	747.1	756.8	761.6	770.9	789.6	803.6	804.6
165°	741.9	746.3	750.7	751.8	755.1	759.4	761.6	768.3	781.6	791.6	792.7
167.5°	753.9	755.9	758.0	758.5	761.3	765.0	766.8	771.2	779.9	786.5	787.0
170°	761.6	763.7	765.8	766.3	766.5	766.7	766.8	771.2	779.9	786.5	786.5
172.5°	765.8	766.2	766.7	766.8	766.8	766.8	766.8	770.2	777.1	782.3	781.9
175°	771.5	771.5	771.5	771.5	769.9	767.8	766.8	769.0	773.3	776.6	776.6
177.5°	771.5	771.5	771.5	771.5	770.3	768.6	767.8	769.5	773.0	775.6	775.1
180°	771.5	771.5	771.5	771.5	771.5	771.5	771.5	771.5	771.5	771.5	771.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1057.1	1057.1	1057.1	1057.1	1057.1	1057.1	1057.1	1057.1	1057.1	1057.1	1057.1
2.5°	1084.2	1081.2	1084.2	1082.2	1083.2	1080.2	1071.2	1068.2	1071.2	1074.2	1074.2
5°	1097.2	1095.2	1097.2	1097.2	1096.2	1094.2	1084.2	1082.2	1084.2	1085.2	1083.2
7.5°	1101.2	1098.2	1101.2	1099.2	1099.2	1097.2	1087.2	1085.2	1086.2	1089.2	1086.2
10°	1101.2	1098.2	1101.2	1100.2	1099.2	1097.2	1087.2	1083.2	1083.2	1086.2	1083.2
12.5°	1096.2	1094.2	1096.2	1094.2	1094.2	1092.2	1082.2	1078.2	1079.2	1080.2	1076.2
15°	1088.2	1085.2	1088.2	1086.2	1087.2	1084.2	1073.2	1069.2	1069.2	1071.2	1064.1
17.5°	1076.2	1072.2	1076.2	1075.2	1074.2	1072.2	1062.1	1058.1	1057.1	1058.1	1053.1
20°	1062.1	1059.1	1062.1	1061.1	1061.1	1057.1	1047.1	1042.1	1042.1	1042.1	1037.1
22.5°	1040.1	1037.1	1040.1	1042.1	1042.1	1041.1	1032.1	1025.1	1023.1	1023.1	1017.1
25°	1015.1	1012.1	1015.1	1015.1	1014.1	1015.1	1012.1	1008.1	1005.1	1002.1	996.1
27.5°	991.1	989.1	991.1	989.1	991.1	988.1	987.1	986.1	982.1	979.1	971.1
30°	967.1	965.1	967.1	965.1	963.1	961.1	956.1	954.1	958.1	956.1	943.1
32.5°	937.1	935.1	937.1	937.1	935.1	935.1	927.1	924.1	925.1	931.1	919.1
35°	906.1	903.1	906.1	905.1	906.1	903.1	898.1	897.1	893.1	900.1	891.1
37.5°	870.1	867.1	870.1	870.1	870.1	872.1	868.1	865.1	859.1	868.1	861.1
40°	833.1	829.1	833.1	832.1	833.1	835.1	833.1	831.1	825.1	832.1	826.1
42.5°	791.1	790.1	791.1	792.1	792.1	796.1	799.1	795.1	793.1	788.1	792.1
45°	746.1	744.1	746.1	748.1	749.1	751.1	760.1	760.1	757.1	749.1	755.1
47.5°	698.1	693.1	698.1	704.1	704.1	707.1	716.1	723.1	718.1	708.1	711.1
50°	647.1	648.1	647.1	651.1	651.1	662.1	669.1	676.1	681.1	669.1	655.1
52.5°	597.1	596.1	597.1	600.1	604.1	609.1	621.1	628.1	636.1	629.1	607.1
55°	547.1	549.1	547.1	548.1	550.1	553.1	571.1	578.1	593.1	584.1	561.1
57.5°	497.1	494.1	497.1	499.1	500.1	503.1	518.1	531.1	540.1	541.1	513.1
60°	439.1	435.1	439.1	448.1	450.1	452.1	466.1	478.1	486.1	489.1	460.1
62.5°	388.1	381.1	388.1	394.1	398.1	403.1	413.1	431.1	438.1	439.1	398.1
65°	334.0	331.0	334.0	346.0	347.0	353.0	364.1	377.1	392.1	390.1	331.0
67.5°	285.0	285.0	285.0	293.0	299.0	302.0	316.0	322.0	341.0	343.0	276.0
70°	240.0	239.0	240.0	246.0	250.0	257.0	270.0	277.0	292.0	297.0	224.0
72.5°	197.0	196.0	197.0	202.0	206.0	212.0	223.0	231.0	244.0	250.0	174.0
75°	159.0	157.0	159.0	163.0	162.0	170.0	179.0	187.0	199.0	203.0	129.0
77.5°	122.0	122.0	122.0	126.0	126.0	134.0	138.0	148.0	155.0	161.0	95.0
80°	91.0	90.0	91.0	92.0	92.0	96.0	103.0	110.0	116.0	116.0	65.0
82.5°	64.0	62.0	64.0	64.0	64.0	66.0	70.0	72.0	76.0	79.0	41.0
85°	40.0	40.0	40.0	41.0	40.0	42.0	43.0	45.0	45.0	43.0	25.0
87.5°	26.0	25.0	26.0	25.0	25.0	24.0	24.0	24.0	23.0	22.0	14.0
90°	19.7	19.7	19.7	19.7	19.7	26.2	34.9	39.3	33.8	22.8	14.5
92.5°	78.8	63.2	78.8	94.5	98.4	139.5	194.2	221.6	194.6	140.5	99.9
95°	274.7	227.3	274.7	322.1	334.0	438.6	578.0	647.7	547.0	345.7	194.7
97.5°	658.2	568.0	658.2	748.4	770.9	837.0	925.1	969.2	801.3	465.6	213.8
100°	948.3	840.8	948.3	1055.7	1082.6	1077.8	1071.3	1068.1	881.8	509.3	229.9
102.5°	1233.7	1141.7	1233.7	1325.8	1348.8	1264.6	1152.3	1096.1	907.2	529.3	245.9
105°	1597.6	1548.1	1597.6	1647.0	1659.4	1470.6	1218.9	1093.0	910.1	544.2	269.8
107.5°	1835.9	1847.9	1835.9	1823.9	1820.9	1557.6	1206.5	1030.9	869.6	547.0	305.0
110°	1926.8	1978.3	1926.8	1875.3	1862.4	1568.0	1175.4	979.1	833.7	542.8	324.6



TEST NUMBER: P935514

CATALOG NUMBER: SQ4-FA-125U-075D-835-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1934.9	2014.1	1934.9	1855.8	1836.0	1534.7	1132.9	932.0	802.3	542.9	348.4
115°	1883.6	1993.4	1883.6	1773.8	1746.4	1456.1	1069.0	875.5	766.3	548.0	384.2
117.5°	1774.8	1896.5	1774.8	1653.0	1622.6	1360.6	1011.3	836.7	743.9	558.2	418.9
120°	1687.1	1805.4	1687.1	1568.9	1539.3	1299.9	980.8	821.2	736.3	566.5	439.1
122.5°	1601.7	1718.4	1601.7	1485.1	1455.9	1240.4	953.0	809.3	732.3	578.4	462.9
125°	1479.9	1587.4	1479.9	1372.5	1345.6	1162.5	918.4	796.3	729.0	594.4	493.4
127.5°	1370.4	1461.1	1370.4	1279.8	1257.1	1099.9	890.2	785.4	727.1	610.4	522.9
130°	1305.9	1389.7	1305.9	1222.1	1201.2	1061.2	874.6	781.3	728.3	622.2	542.6
132.5°	1247.3	1322.3	1247.3	1172.3	1153.6	1028.3	861.2	777.7	729.0	631.7	558.7
135°	1167.1	1231.7	1167.1	1102.5	1086.3	981.4	841.5	771.5	728.3	642.0	577.3
137.5°	1102.7	1155.6	1102.7	1049.7	1036.5	947.8	829.5	770.4	732.8	657.5	601.1
140°	1058.5	1108.0	1058.5	1009.1	996.7	920.1	817.9	766.8	733.6	667.1	617.2
142.5°	1021.9	1064.5	1021.9	979.3	968.7	901.4	811.7	766.8	736.2	675.0	629.1
145°	967.1	999.3	967.1	934.9	926.8	871.7	798.3	761.6	736.2	685.3	647.2
147.5°	924.9	951.6	924.9	898.3	891.6	848.3	790.5	761.6	741.2	700.5	670.0
150°	898.5	920.1	898.5	876.8	871.4	834.8	786.0	761.6	743.9	708.5	681.9
152.5°	875.7	892.1	875.7	859.4	855.3	824.1	782.4	761.6	745.6	713.7	689.7
155°	849.7	860.5	849.7	838.9	836.2	811.3	778.2	761.6	749.4	725.0	706.7
157.5°	829.1	836.7	829.1	821.5	819.6	800.3	774.5	761.6	753.2	736.4	723.8
160°	816.8	821.2	816.8	812.4	811.3	794.7	772.6	761.6	754.9	741.6	731.6
162.5°	808.8	812.9	808.8	804.6	803.6	789.6	770.9	761.6	756.8	747.1	739.9
165°	797.1	801.5	797.1	792.7	791.6	781.6	768.3	761.6	759.4	755.1	751.8
167.5°	788.8	790.6	788.8	787.0	786.5	779.9	771.2	766.8	765.0	761.3	758.5
170°	786.5	786.5	786.5	786.5	786.5	779.9	771.2	766.8	766.7	766.5	766.3
172.5°	780.3	778.7	780.3	781.9	782.3	777.1	770.2	766.8	766.8	766.8	766.8
175°	776.6	776.6	776.6	776.6	776.6	773.3	769.0	766.8	767.8	769.9	771.5
177.5°	773.3	771.5	773.3	775.1	775.6	773.0	769.5	767.8	768.6	770.3	771.5
180°	771.5	771.5	771.5	771.5	771.5	771.5	771.5	771.5	771.5	771.5	771.5



TEST NUMBER: P935514

CATALOG NUMBER: SQ4-FA-125U-075D-835-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1057.1	1057.1	1057.1	1057.1	1057.1	1057.1	1057.1	1057.1	1057.1	1057.1	1057.1
2.5°	1072.2	1066.1	1066.1	1056.1	1052.1	1049.1	1044.1	1029.1	1025.1	1021.1	1027.1
5°	1081.2	1070.2	1062.1	1044.1	1029.1	1023.1	1004.1	968.1	944.1	926.1	916.1
7.5°	1083.2	1069.2	1054.1	1026.1	990.1	974.1	916.1	850.1	832.1	816.1	806.1
10°	1081.2	1065.1	1044.1	1002.1	917.1	889.1	831.1	788.1	777.1	774.1	777.1
12.5°	1074.2	1059.1	1030.1	960.1	841.1	822.1	788.1	763.1	761.1	766.1	793.1
15°	1062.1	1048.1	1014.1	904.1	799.1	785.1	761.1	752.1	763.1	798.1	879.1
17.5°	1050.1	1034.1	992.1	849.1	767.1	757.1	740.1	758.1	820.1	867.1	894.1
20°	1034.1	1015.1	967.1	809.1	744.1	735.1	727.1	808.1	855.1	872.1	887.1
22.5°	1015.1	995.1	933.1	781.1	720.1	713.1	718.1	836.1	855.1	867.1	880.1
25°	990.1	973.1	893.1	759.1	701.1	693.1	712.1	833.1	844.1	847.1	873.1
27.5°	967.1	945.1	851.1	739.1	678.1	675.1	717.1	820.1	828.1	831.1	859.1
30°	939.1	906.1	804.1	718.1	654.1	653.1	718.1	804.1	802.1	810.1	838.1
32.5°	910.1	848.1	751.1	692.1	631.1	630.1	711.1	780.1	778.1	789.1	810.1
35°	883.1	803.1	679.1	662.1	602.1	603.1	694.1	752.1	753.1	763.1	776.1
37.5°	855.1	764.1	600.1	629.1	574.1	574.1	671.1	726.1	724.1	727.1	745.1
40°	822.1	703.1	530.1	586.1	548.1	545.1	643.1	698.1	691.1	690.1	715.1
42.5°	787.1	636.1	478.1	529.1	518.1	514.1	609.1	664.1	651.1	654.1	686.1
45°	749.1	618.1	438.1	447.1	487.1	484.1	572.1	625.1	616.1	624.1	657.1
47.5°	711.1	582.1	425.1	371.1	454.1	453.1	531.1	587.1	582.1	590.1	625.1
50°	659.1	542.1	424.1	318.0	417.1	421.1	482.1	550.1	550.1	557.1	594.1
52.5°	592.1	493.1	385.1	288.0	374.1	386.1	439.1	518.1	520.1	527.1	560.1
55°	531.1	442.1	357.1	265.0	323.0	349.0	397.1	485.1	489.1	496.1	526.1
57.5°	475.1	368.1	351.0	238.0	276.0	301.0	360.1	453.1	455.1	461.1	490.1
60°	415.1	266.0	322.0	209.0	235.0	254.0	326.0	415.1	422.1	426.1	451.1
62.5°	347.0	193.0	292.0	189.0	215.0	219.0	298.0	379.1	388.1	391.1	406.1
65°	247.0	162.0	248.0	172.0	194.0	195.0	268.0	342.0	350.0	355.0	366.1
67.5°	167.0	132.0	189.0	156.0	178.0	179.0	239.0	299.0	310.0	314.0	321.0
70°	116.0	88.0	140.0	139.0	160.0	162.0	208.0	260.0	270.0	273.0	277.0
72.5°	85.0	71.0	116.0	125.0	141.0	143.0	176.0	216.0	226.0	229.0	231.0
75°	65.0	75.0	94.0	109.0	120.0	121.0	144.0	176.0	183.0	185.0	186.0
77.5°	52.0	70.0	69.0	88.0	98.0	96.0	113.0	136.0	142.0	142.0	142.0
80°	39.0	55.0	52.0	63.0	72.0	70.0	81.0	97.0	99.0	101.0	100.0
82.5°	29.0	35.0	35.0	40.0	48.0	46.0	54.0	63.0	63.0	63.0	65.0
85°	18.0	20.0	16.0	21.0	27.0	26.0	30.0	34.0	35.0	35.0	33.0
87.5°	11.0	9.0	5.0	8.0	12.0	12.0	14.0	15.0	14.0	14.0	14.0
90°	13.5	9.3	5.2	9.3	13.5	14.5	22.8	33.8	39.3	34.9	26.2
92.5°	91.1	55.9	20.7	55.9	91.1	99.9	140.5	194.6	221.6	194.2	139.5
95°	178.6	114.1	49.7	114.1	178.6	194.7	345.7	547.0	647.7	578.0	438.6
97.5°	199.6	142.7	85.9	142.7	199.6	213.8	465.6	801.3	969.2	925.1	837.0
100°	217.0	165.5	113.9	165.5	217.0	229.9	509.3	881.8	1068.1	1071.3	1077.8
102.5°	233.9	185.8	137.7	185.8	233.9	245.9	529.3	907.2	1096.1	1152.3	1264.6
105°	259.6	218.9	178.1	218.9	259.6	269.8	544.2	910.1	1093.0	1218.9	1470.6
107.5°	295.5	257.5	219.5	257.5	295.5	305.0	547.0	869.6	1030.9	1206.5	1557.6
110°	316.0	281.8	247.5	281.8	316.0	324.6	542.8	833.7	979.1	1175.4	1568.0



TEST NUMBER: P935514

CATALOG NUMBER: SQ4-FA-125U-075D-835-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	340.2	307.6	274.9	307.6	340.2	348.4	542.9	802.3	932.0	1132.9	1534.7
115°	376.7	346.5	316.3	346.5	376.7	384.2	548.0	766.3	875.5	1069.0	1456.1
117.5°	412.1	384.7	357.3	384.7	412.1	418.9	558.2	743.9	836.7	1011.3	1360.6
120°	432.7	406.9	381.1	406.9	432.7	439.1	566.5	736.3	821.2	980.8	1299.9
122.5°	456.4	430.4	404.4	430.4	456.4	462.9	578.4	732.3	809.3	953.0	1240.4
125°	487.5	463.8	440.1	463.8	487.5	493.4	594.4	729.0	796.3	918.4	1162.5
127.5°	516.9	493.0	469.1	493.0	516.9	522.9	610.4	727.1	785.4	890.2	1099.9
130°	536.2	510.4	484.6	510.4	536.2	542.6	622.2	728.3	781.3	874.6	1061.2
132.5°	552.3	526.5	500.7	526.5	552.3	558.7	631.7	729.0	777.7	861.2	1028.3
135°	571.4	548.0	524.5	548.0	571.4	577.3	642.0	728.3	771.5	841.5	981.4
137.5°	595.3	572.0	548.8	572.0	595.3	601.1	657.5	732.8	770.4	829.5	947.8
140°	611.8	590.4	569.0	590.4	611.8	617.2	667.1	733.6	766.8	817.9	920.1
142.5°	624.1	604.3	584.5	604.3	624.1	629.1	675.0	736.2	766.8	811.7	901.4
145°	642.9	625.6	608.4	625.6	642.9	647.2	685.3	736.2	761.6	798.3	871.7
147.5°	665.8	649.0	632.2	649.0	665.8	670.0	700.5	741.2	761.6	790.5	848.3
150°	678.1	662.9	647.7	662.9	678.1	681.9	708.5	743.9	761.6	786.0	834.8
152.5°	686.8	675.3	663.8	675.3	686.8	689.7	713.7	745.6	761.6	782.4	824.1
155°	704.6	696.1	687.6	696.1	704.6	706.7	725.0	749.4	761.6	778.2	811.3
157.5°	721.7	713.5	705.2	713.5	721.7	723.8	736.4	753.2	761.6	774.5	800.3
160°	730.0	723.5	717.1	723.5	730.0	731.6	741.6	754.9	761.6	772.6	794.7
162.5°	738.7	733.8	729.0	733.8	738.7	739.9	747.1	756.8	761.6	770.9	789.6
165°	750.7	746.3	741.9	746.3	750.7	751.8	755.1	759.4	761.6	768.3	781.6
167.5°	758.0	755.9	753.9	755.9	758.0	758.5	761.3	765.0	766.8	771.2	779.9
170°	765.8	763.7	761.6	763.7	765.8	766.3	766.5	766.7	766.8	771.2	779.9
172.5°	766.7	766.2	765.8	766.2	766.7	766.8	766.8	766.8	766.8	770.2	777.1
175°	771.5	771.5	771.5	771.5	771.5	771.5	769.9	767.8	766.8	769.0	773.3
177.5°	771.5	771.5	771.5	771.5	771.5	771.5	770.3	768.6	767.8	769.5	773.0
180°	771.5	771.5	771.5	771.5	771.5	771.5	771.5	771.5	771.5	771.5	771.5



TEST NUMBER: P935514
 CATALOG NUMBER: SQ4-FA-125U-075D-835-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1057.1	1057.1	1057.1	1057.1	1057.1	1057.1	1057.1	1057.1	1057.1	1057.1	1057.1
2.5°	1020.1	1017.1	1021.1	1010.1	1021.1	1017.1	1020.1	1027.1	1021.1	1025.1	1029.1
5°	895.1	890.1	874.1	861.1	874.1	890.1	895.1	916.1	926.1	944.1	968.1
7.5°	800.1	796.1	792.1	784.1	792.1	796.1	800.1	806.1	816.1	832.1	850.1
10°	779.1	780.1	786.1	785.1	786.1	780.1	779.1	777.1	774.1	777.1	788.1
12.5°	833.1	842.1	875.1	873.1	875.1	842.1	833.1	793.1	766.1	761.1	763.1
15°	895.1	898.1	905.1	906.1	905.1	898.1	895.1	879.1	798.1	763.1	752.1
17.5°	901.1	902.1	907.1	907.1	907.1	902.1	901.1	894.1	867.1	820.1	758.1
20°	896.1	898.1	908.1	910.1	908.1	898.1	896.1	887.1	872.1	855.1	808.1
22.5°	894.1	898.1	906.1	905.1	906.1	898.1	894.1	880.1	867.1	855.1	836.1
25°	884.1	884.1	885.1	886.1	885.1	884.1	884.1	873.1	847.1	844.1	833.1
27.5°	863.1	865.1	871.1	870.1	871.1	865.1	863.1	859.1	831.1	828.1	820.1
30°	844.1	842.1	837.1	833.1	837.1	842.1	844.1	838.1	810.1	802.1	804.1
32.5°	812.1	807.1	802.1	799.1	802.1	807.1	812.1	810.1	789.1	778.1	780.1
35°	774.1	775.1	774.1	771.1	774.1	775.1	774.1	776.1	763.1	753.1	752.1
37.5°	747.1	749.1	748.1	744.1	748.1	749.1	747.1	745.1	727.1	724.1	726.1
40°	719.1	720.1	719.1	716.1	719.1	720.1	719.1	715.1	690.1	691.1	698.1
42.5°	692.1	691.1	688.1	686.1	688.1	691.1	692.1	686.1	654.1	651.1	664.1
45°	661.1	662.1	656.1	653.1	656.1	662.1	661.1	657.1	624.1	616.1	625.1
47.5°	630.1	630.1	625.1	622.1	625.1	630.1	630.1	625.1	590.1	582.1	587.1
50°	597.1	596.1	589.1	588.1	589.1	596.1	597.1	594.1	557.1	550.1	550.1
52.5°	559.1	559.1	560.1	562.1	560.1	559.1	559.1	560.1	527.1	520.1	518.1
55°	526.1	527.1	534.1	536.1	534.1	527.1	526.1	526.1	496.1	489.1	485.1
57.5°	492.1	492.1	497.1	497.1	497.1	492.1	492.1	490.1	461.1	455.1	453.1
60°	453.1	455.1	459.1	458.1	459.1	455.1	453.1	451.1	426.1	422.1	415.1
62.5°	412.1	414.1	415.1	413.1	415.1	414.1	412.1	406.1	391.1	388.1	379.1
65°	369.1	371.1	372.1	370.1	372.1	371.1	369.1	366.1	355.0	350.0	342.0
67.5°	325.0	324.0	323.0	327.0	323.0	324.0	325.0	321.0	314.0	310.0	299.0
70°	280.0	280.0	279.0	281.0	279.0	280.0	280.0	277.0	273.0	270.0	260.0
72.5°	232.0	231.0	235.0	232.0	235.0	231.0	232.0	231.0	229.0	226.0	216.0
75°	185.0	187.0	185.0	188.0	185.0	187.0	185.0	186.0	185.0	183.0	176.0
77.5°	141.0	143.0	141.0	141.0	141.0	143.0	141.0	142.0	142.0	142.0	136.0
80°	100.0	99.0	99.0	98.0	99.0	99.0	100.0	100.0	101.0	99.0	97.0
82.5°	64.0	63.0	63.0	65.0	63.0	63.0	64.0	65.0	63.0	63.0	63.0
85°	35.0	36.0	34.0	34.0	34.0	36.0	35.0	33.0	35.0	35.0	34.0
87.5°	13.0	12.0	12.0	12.0	12.0	12.0	13.0	14.0	14.0	14.0	15.0
90°	19.7	19.7	19.7	19.7	19.7	19.7	19.7	26.2	34.9	39.3	33.8
92.5°	98.4	94.5	78.8	63.2	78.8	94.5	98.4	139.5	194.2	221.6	194.6
95°	334.0	322.1	274.7	227.3	274.7	322.1	334.0	438.6	578.0	647.7	547.0
97.5°	770.9	748.4	658.2	568.0	658.2	748.4	770.9	837.0	925.1	969.2	801.3
100°	1082.6	1055.7	948.3	840.8	948.3	1055.7	1082.6	1077.8	1071.3	1068.1	881.8
102.5°	1348.8	1325.8	1233.7	1141.7	1233.7	1325.8	1348.8	1264.6	1152.3	1096.1	907.2
105°	1659.4	1647.0	1597.6	1548.1	1597.6	1647.0	1659.4	1470.6	1218.9	1093.0	910.1
107.5°	1820.9	1823.9	1835.9	1847.9	1835.9	1823.9	1820.9	1557.6	1206.5	1030.9	869.6
110°	1862.4	1875.3	1926.8	1978.3	1926.8	1875.3	1862.4	1568.0	1175.4	979.1	833.7



TEST NUMBER: P935514

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1836.0	1855.8	1934.9	2014.1	1934.9	1855.8	1836.0	1534.7	1132.9	932.0	802.3
115°	1746.4	1773.8	1883.6	1993.4	1883.6	1773.8	1746.4	1456.1	1069.0	875.5	766.3
117.5°	1622.6	1653.0	1774.8	1896.5	1774.8	1653.0	1622.6	1360.6	1011.3	836.7	743.9
120°	1539.3	1568.9	1687.1	1805.4	1687.1	1568.9	1539.3	1299.9	980.8	821.2	736.3
122.5°	1455.9	1485.1	1601.7	1718.4	1601.7	1485.1	1455.9	1240.4	953.0	809.3	732.3
125°	1345.6	1372.5	1479.9	1587.4	1479.9	1372.5	1345.6	1162.5	918.4	796.3	729.0
127.5°	1257.1	1279.8	1370.4	1461.1	1370.4	1279.8	1257.1	1099.9	890.2	785.4	727.1
130°	1201.2	1222.1	1305.9	1389.7	1305.9	1222.1	1201.2	1061.2	874.6	781.3	728.3
132.5°	1153.6	1172.3	1247.3	1322.3	1247.3	1172.3	1153.6	1028.3	861.2	777.7	729.0
135°	1086.3	1102.5	1167.1	1231.7	1167.1	1102.5	1086.3	981.4	841.5	771.5	728.3
137.5°	1036.5	1049.7	1102.7	1155.6	1102.7	1049.7	1036.5	947.8	829.5	770.4	732.8
140°	996.7	1009.1	1058.5	1108.0	1058.5	1009.1	996.7	920.1	817.9	766.8	733.6
142.5°	968.7	979.3	1021.9	1064.5	1021.9	979.3	968.7	901.4	811.7	766.8	736.2
145°	926.8	934.9	967.1	999.3	967.1	934.9	926.8	871.7	798.3	761.6	736.2
147.5°	891.6	898.3	924.9	951.6	924.9	898.3	891.6	848.3	790.5	761.6	741.2
150°	871.4	876.8	898.5	920.1	898.5	876.8	871.4	834.8	786.0	761.6	743.9
152.5°	855.3	859.4	875.7	892.1	875.7	859.4	855.3	824.1	782.4	761.6	745.6
155°	836.2	838.9	849.7	860.5	849.7	838.9	836.2	811.3	778.2	761.6	749.4
157.5°	819.6	821.5	829.1	836.7	829.1	821.5	819.6	800.3	774.5	761.6	753.2
160°	811.3	812.4	816.8	821.2	816.8	812.4	811.3	794.7	772.6	761.6	754.9
162.5°	803.6	804.6	808.8	812.9	808.8	804.6	803.6	789.6	770.9	761.6	756.8
165°	791.6	792.7	797.1	801.5	797.1	792.7	791.6	781.6	768.3	761.6	759.4
167.5°	786.5	787.0	788.8	790.6	788.8	787.0	786.5	779.9	771.2	766.8	765.0
170°	786.5	786.5	786.5	786.5	786.5	786.5	786.5	779.9	771.2	766.8	766.7
172.5°	782.3	781.9	780.3	778.7	780.3	781.9	782.3	777.1	770.2	766.8	766.8
175°	776.6	776.6	776.6	776.6	776.6	776.6	776.6	773.3	769.0	766.8	767.8
177.5°	775.6	775.1	773.3	771.5	773.3	775.1	775.6	773.0	769.5	767.8	768.6
180°	771.5	771.5	771.5	771.5	771.5	771.5	771.5	771.5	771.5	771.5	771.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1057.1	1057.1	1057.1	1057.1	1057.1
2.5°	1044.1	1049.1	1052.1	1056.1	1066.1
5°	1004.1	1023.1	1029.1	1044.1	1062.1
7.5°	916.1	974.1	990.1	1026.1	1054.1
10°	831.1	889.1	917.1	1002.1	1044.1
12.5°	788.1	822.1	841.1	960.1	1030.1
15°	761.1	785.1	799.1	904.1	1014.1
17.5°	740.1	757.1	767.1	849.1	992.1
20°	727.1	735.1	744.1	809.1	967.1
22.5°	718.1	713.1	720.1	781.1	933.1
25°	712.1	693.1	701.1	759.1	893.1
27.5°	717.1	675.1	678.1	739.1	851.1
30°	718.1	653.1	654.1	718.1	804.1
32.5°	711.1	630.1	631.1	692.1	751.1
35°	694.1	603.1	602.1	662.1	679.1
37.5°	671.1	574.1	574.1	629.1	600.1
40°	643.1	545.1	548.1	586.1	530.1
42.5°	609.1	514.1	518.1	529.1	478.1
45°	572.1	484.1	487.1	447.1	438.1
47.5°	531.1	453.1	454.1	371.1	425.1
50°	482.1	421.1	417.1	318.0	424.1
52.5°	439.1	386.1	374.1	288.0	385.1
55°	397.1	349.0	323.0	265.0	357.1
57.5°	360.1	301.0	276.0	238.0	351.0
60°	326.0	254.0	235.0	209.0	322.0
62.5°	298.0	219.0	215.0	189.0	292.0
65°	268.0	195.0	194.0	172.0	248.0
67.5°	239.0	179.0	178.0	156.0	189.0
70°	208.0	162.0	160.0	139.0	140.0
72.5°	176.0	143.0	141.0	125.0	116.0
75°	144.0	121.0	120.0	109.0	94.0
77.5°	113.0	96.0	98.0	88.0	69.0
80°	81.0	70.0	72.0	63.0	52.0
82.5°	54.0	46.0	48.0	40.0	35.0
85°	30.0	26.0	27.0	21.0	16.0
87.5°	14.0	12.0	12.0	8.0	5.0
90°	22.8	14.5	13.5	9.3	5.2
92.5°	140.5	99.9	91.1	55.9	20.7
95°	345.7	194.7	178.6	114.1	49.7
97.5°	465.6	213.8	199.6	142.7	85.9
100°	509.3	229.9	217.0	165.5	113.9
102.5°	529.3	245.9	233.9	185.8	137.7
105°	544.2	269.8	259.6	218.9	178.1
107.5°	547.0	305.0	295.5	257.5	219.5
110°	542.8	324.6	316.0	281.8	247.5



TEST NUMBER: P935514

CATALOG NUMBER: SQ4-FA-125U-075D-835-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	542.9	348.4	340.2	307.6	274.9
115°	548.0	384.2	376.7	346.5	316.3
117.5°	558.2	418.9	412.1	384.7	357.3
120°	566.5	439.1	432.7	406.9	381.1
122.5°	578.4	462.9	456.4	430.4	404.4
125°	594.4	493.4	487.5	463.8	440.1
127.5°	610.4	522.9	516.9	493.0	469.1
130°	622.2	542.6	536.2	510.4	484.6
132.5°	631.7	558.7	552.3	526.5	500.7
135°	642.0	577.3	571.4	548.0	524.5
137.5°	657.5	601.1	595.3	572.0	548.8
140°	667.1	617.2	611.8	590.4	569.0
142.5°	675.0	629.1	624.1	604.3	584.5
145°	685.3	647.2	642.9	625.6	608.4
147.5°	700.5	670.0	665.8	649.0	632.2
150°	708.5	681.9	678.1	662.9	647.7
152.5°	713.7	689.7	686.8	675.3	663.8
155°	725.0	706.7	704.6	696.1	687.6
157.5°	736.4	723.8	721.7	713.5	705.2
160°	741.6	731.6	730.0	723.5	717.1
162.5°	747.1	739.9	738.7	733.8	729.0
165°	755.1	751.8	750.7	746.3	741.9
167.5°	761.3	758.5	758.0	755.9	753.9
170°	766.5	766.3	765.8	763.7	761.6
172.5°	766.8	766.8	766.7	766.2	765.8
175°	769.9	771.5	771.5	771.5	771.5
177.5°	770.3	771.5	771.5	771.5	771.5
180°	771.5	771.5	771.5	771.5	771.5



TEST NUMBER: P935514
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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	11.20	11.95	12.28	13.02	14.49	14.00	14.75	15.08	15.82	17.29
	3H	11.67	12.34	12.76	13.42	14.90	15.33	15.99	16.41	17.08	18.56
	4H	11.86	12.49	12.95	13.57	15.06	15.76	16.39	16.85	17.48	18.97
	6H	11.97	12.55	13.07	13.64	15.14	16.03	16.61	17.13	17.70	19.20
	8H	11.97	12.52	13.08	13.63	15.12	16.10	16.65	17.20	17.76	19.25
	12H	11.94	12.46	13.05	13.56	15.08	16.13	16.65	17.24	17.75	19.27
4H	2H	12.22	12.85	13.32	13.93	15.42	14.40	15.03	15.50	16.12	17.60
	3H	13.23	13.76	14.34	14.87	16.37	15.88	16.41	16.99	17.52	19.02
	4H	13.50	13.99	14.61	15.09	16.61	16.40	16.88	17.51	17.98	19.51
	6H	13.62	14.03	14.74	15.16	16.67	16.75	17.16	17.87	18.29	19.80
	8H	13.62	14.01	14.74	15.13	16.66	16.85	17.24	17.97	18.35	19.88
	12H	13.59	13.94	14.72	15.06	16.60	16.90	17.25	18.03	18.37	19.91
8H	4H	13.94	14.33	15.06	15.44	16.98	16.52	16.90	17.63	18.02	19.55
	6H	14.20	14.52	15.34	15.67	17.20	16.94	17.26	18.08	18.42	19.94
	8H	14.24	14.52	15.39	15.66	17.20	17.08	17.36	18.23	18.50	20.05
	12H	14.22	14.46	15.37	15.60	17.18	17.17	17.42	18.32	18.55	20.14
12H	4H	13.94	14.29	15.08	15.42	16.96	16.47	16.83	17.61	17.95	19.49
	6H	14.26	14.54	15.40	15.67	17.22	16.94	17.21	18.08	18.35	19.90
	8H	14.32	14.56	15.47	15.70	17.28	17.09	17.33	18.24	18.47	20.05