

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: P935814

Luminaire Tested: SQ4-FA-150U-050D-835-1D-UNV-STD-W-4

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935814
REPORT IS A COMBINATION OF REPORTS P933770 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-050D-835-1D-UNV-STD-W-4
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

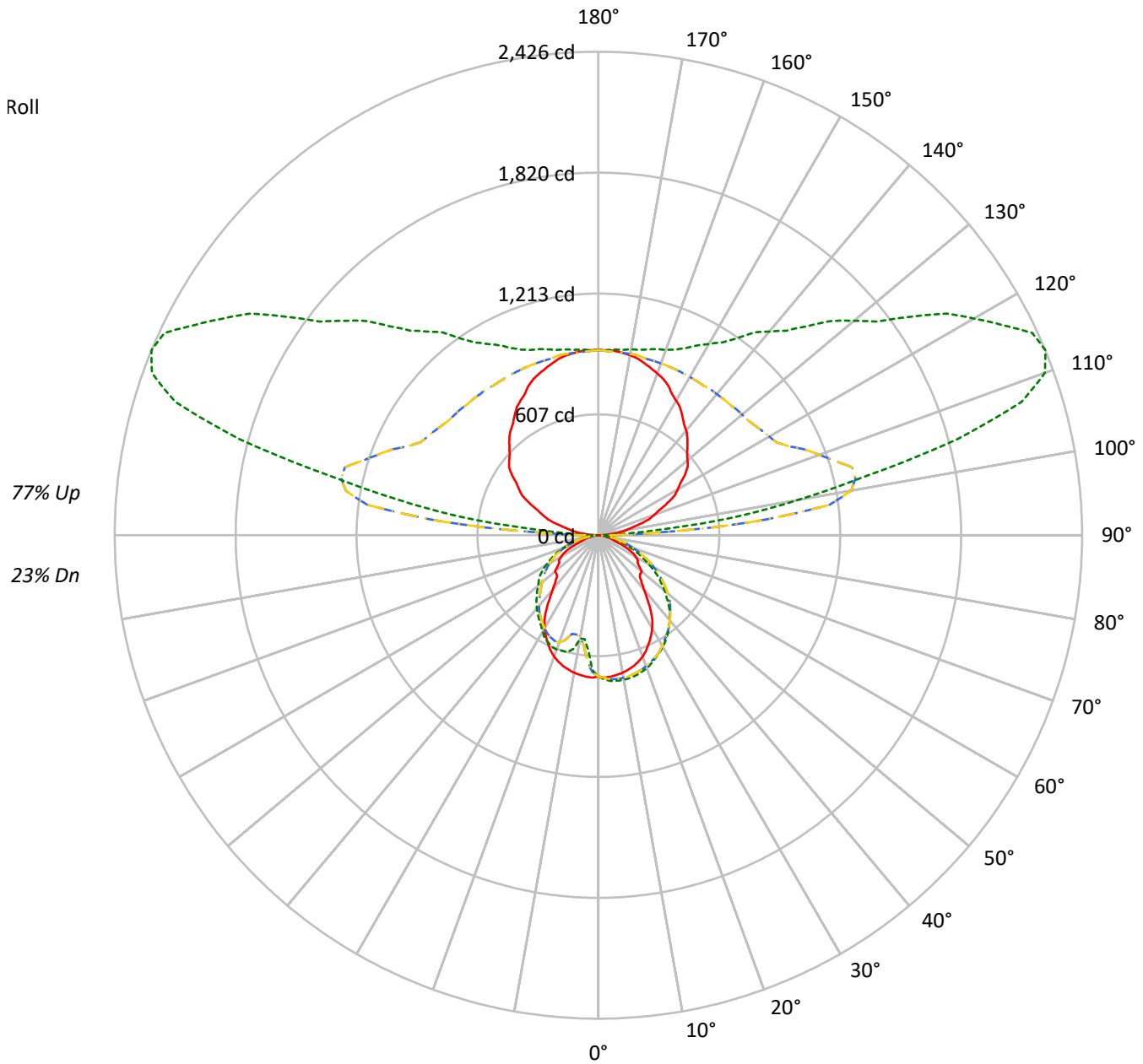
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7866.0 lumens
Efficiency: N/A
Efficacy: 141.5 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

TEST NUMBER: P935814
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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	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	32	32	32	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	27	27	27	27	20
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	25	24	23	23	23	23	17
3	76	67	60	55	67	60	54	49	46	42	39	34	31	29	22	20	19	19	19	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	16	16	16	12
5	64	53	45	39	56	47	40	36	36	32	28	27	24	21	17	16	14	14	14	14	10
6	59	47	39	34	52	42	35	31	33	28	24	24	21	18	16	14	12	12	12	12	9
7	54	42	35	29	48	38	31	27	30	25	21	22	19	16	14	12	11	11	11	11	8
8	50	38	31	26	44	34	28	23	27	22	19	20	17	14	13	11	10	10	10	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	9	9	9	6
10	43	32	25	20	38	28	22	18	22	18	15	17	14	11	11	9	8	8	8	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6578	6578	6578	6578
5°	6619	6640	6619	5221
10°	6569	6541	6569	4677
15°	6489	6399	6489	5343
20°	6346	6231	6346	5355
25°	6061	5986	6061	5241
30°	5695	5783	5695	4992
35°	5070	5526	5070	4718
40°	4217	5224	4217	4511
45°	3760	4869	3760	4273
50°	3987	4447	3987	4034
55°	3739	3991	3739	3897
60°	3842	3389	3842	3569
65°	3466	2802	3466	3132
70°	2384	2233	2384	2626
75°	2066	1651	2066	1977
80°	1633	1092	1633	1188
85°	886	577	886	491

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5775 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.0	0.8
10°-20°	181.7	2.3
20°-30°	280.8	3.6
30°-40°	335.3	4.3
40°-50°	337.2	4.3
50°-60°	293.4	3.7
60°-70°	208.1	2.6
70°-80°	110.1	1.4
80°-90°	31.0	0.4
90°-100°	453.0	5.8
100°-110°	1191.0	15.1
110°-120°	1234.9	15.7
120°-130°	990.5	12.6
130°-140°	777.2	9.9
140°-150°	596.6	7.6
150°-160°	429.6	5.5
160°-170°	262.9	3.3
170°-180°	88.8	1.1
0°-30°	526.5	6.7
0°-40°	861.8	11.0
0°-60°	1492.5	19.0
0°-90°	1841.6	23.4
90°-120°	2878.9	36.6
90°-150°	5243.2	66.7
90°-180°	6024.0	76.6
0°-180°	7866.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	709	709	709	709	709	
5°	712	734	712	577	712	68
15°	680	728	680	608	680	191
25°	599	679	599	594	599	275
35°	455	606	455	517	455	282
45°	294	499	294	438	294	235
55°	239	368	239	360	239	220
65°	166	222	166	248	166	159
75°	63	105	63	126	63	66
85°	11	27	11	23	11	14
90°	6	24	6	24	6	6
95°	60	274	60	274	60	66
105°	215	1865	215	1865	215	227
115°	381	2401	381	2401	381	376
125°	530	1912	530	1912	530	471
135°	632	1484	632	1484	632	489
145°	733	1204	733	1204	733	459
155°	828	1037	828	1037	828	381
165°	894	966	894	966	894	252
175°	929	936	929	936	929	88
180°	929	929	929	929	929	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	708.9	708.9	708.9	708.9	708.9	708.9	708.9	708.9	708.9	708.9	708.9
2.5°	714.9	714.9	718.9	720.3	720.3	718.3	716.3	718.3	724.3	726.3	725.6
5°	712.2	717.6	725.0	726.3	727.7	727.0	725.6	727.0	733.7	735.0	735.7
7.5°	706.9	716.9	726.3	728.3	730.3	728.3	727.7	729.0	735.7	737.0	737.0
10°	700.2	714.2	725.0	726.3	728.3	726.3	726.3	729.0	735.7	737.0	737.7
12.5°	690.8	710.2	720.3	721.6	724.3	723.6	723.0	725.6	732.4	733.7	733.7
15°	680.0	702.8	712.2	713.6	718.3	716.9	716.9	719.6	727.0	729.0	728.3
17.5°	665.3	693.5	704.2	706.2	709.6	708.9	709.6	712.2	718.9	720.3	721.0
20°	648.5	680.7	693.5	695.5	698.8	698.8	698.8	702.2	708.9	711.6	711.6
22.5°	625.7	667.3	680.7	682.1	686.1	686.1	687.4	692.1	698.1	698.8	698.8
25°	598.9	652.5	663.9	668.0	672.0	674.0	676.0	678.7	680.7	680.0	680.7
27.5°	570.7	633.8	648.5	651.2	656.6	658.6	661.3	661.9	662.6	664.6	663.3
30°	539.2	607.6	629.7	632.4	641.1	642.5	639.8	641.1	644.5	645.8	647.2
32.5°	503.7	568.7	610.3	616.3	624.4	620.4	619.7	621.7	627.1	627.1	628.4
35°	455.4	538.5	592.2	597.6	603.6	598.9	601.6	602.2	605.6	607.6	606.9
37.5°	402.4	512.4	573.4	577.4	582.1	576.1	580.1	582.1	584.8	583.5	583.5
40°	355.4	471.5	551.3	554.0	558.0	553.3	557.3	558.7	560.0	558.7	558.0
42.5°	320.6	426.5	527.8	531.2	528.5	531.8	533.2	535.9	533.8	531.2	531.2
45°	293.7	414.5	502.3	506.3	502.3	507.7	509.7	509.7	503.7	502.3	501.6
47.5°	285.0	390.3	476.8	476.8	474.8	481.5	484.9	480.2	474.2	472.1	472.1
50°	284.4	363.5	442.0	439.3	448.7	456.7	453.4	448.7	444.0	436.6	436.6
52.5°	258.2	330.6	397.0	407.1	421.8	426.5	421.2	416.5	408.4	405.1	402.4
55°	239.4	296.4	356.1	376.2	391.7	397.7	387.6	382.9	370.9	368.9	367.5
57.5°	235.4	246.8	318.6	344.0	362.8	362.2	356.1	347.4	337.3	335.3	334.7
60°	216.0	178.4	278.3	308.5	327.9	325.9	320.6	312.5	303.1	301.8	300.5
62.5°	195.8	129.4	232.7	266.9	294.4	293.7	289.1	277.0	270.3	266.9	264.2
65°	166.3	108.6	165.7	222.0	261.6	262.9	252.8	244.1	236.7	232.7	232.0
67.5°	126.8	88.5	112.0	185.1	230.0	228.7	216.0	211.9	202.5	200.5	196.5
70°	93.9	59.0	77.8	150.2	199.2	195.8	185.8	181.1	172.4	167.7	165.0
72.5°	77.8	47.6	57.0	116.7	167.7	163.6	154.9	149.6	142.2	138.2	135.5
75°	63.0	50.3	43.6	86.5	136.1	133.5	125.4	120.0	114.0	108.6	109.3
77.5°	46.3	46.9	34.9	63.7	108.0	104.0	99.3	92.6	89.9	84.5	84.5
80°	34.9	36.9	26.2	43.6	77.8	77.8	73.8	69.1	64.4	61.7	61.7
82.5°	23.5	23.5	19.4	27.5	53.0	51.0	48.3	46.9	44.3	42.9	42.9
85°	10.7	13.4	12.1	16.8	28.8	30.2	30.2	28.8	28.2	26.8	27.5
87.5°	3.4	6.0	7.4	9.4	14.8	15.4	16.1	16.1	16.1	16.8	16.8
90°	6.2	11.2	16.2	17.5	27.5	40.8	47.4	42.1	31.6	23.7	23.7
92.5°	24.9	67.3	109.8	120.4	169.2	234.3	266.9	233.9	168.0	118.5	113.8
95°	59.9	137.5	215.1	234.5	416.4	659.0	780.3	696.3	528.3	402.3	388.0
97.5°	103.5	172.0	240.5	257.6	560.9	965.4	1167.6	1114.5	1008.3	928.7	901.5
100°	137.2	199.3	261.4	276.9	613.5	1062.3	1286.7	1290.6	1298.4	1304.2	1271.8
102.5°	165.9	223.9	281.8	296.3	637.7	1092.8	1320.4	1388.0	1523.3	1624.8	1597.1
105°	214.6	263.7	312.7	325.0	655.5	1096.2	1316.6	1468.2	1771.5	1999.0	1984.1
107.5°	264.5	310.2	356.0	367.4	658.9	1047.5	1241.8	1453.3	1876.3	2193.6	2197.2
110°	298.1	339.4	380.8	391.1	653.9	1004.2	1179.4	1415.9	1888.8	2243.5	2259.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	331.2	370.6	410.0	419.8	654.1	966.5	1122.7	1364.7	1848.7	2211.7	2235.5
115°	381.1	417.4	453.7	462.8	660.1	923.2	1054.7	1287.8	1754.1	2103.8	2136.9
117.5°	430.4	463.4	496.4	504.6	672.4	896.1	1007.9	1218.3	1639.1	1954.7	1991.4
120°	459.0	490.1	521.1	528.9	682.3	886.9	989.2	1181.4	1565.9	1854.3	1889.9
122.5°	487.1	518.4	549.8	557.6	696.7	882.2	974.9	1148.0	1494.2	1753.9	1789.0
125°	530.2	558.7	587.3	594.4	716.0	878.2	959.3	1106.3	1400.4	1621.0	1653.4
127.5°	565.1	593.9	622.7	629.9	735.3	875.9	946.2	1072.5	1325.0	1514.4	1541.7
130°	583.8	614.8	645.8	653.6	749.5	877.3	941.2	1053.6	1278.4	1447.0	1472.2
132.5°	603.1	634.2	665.2	673.0	760.9	878.2	936.8	1037.4	1238.7	1389.6	1412.2
135°	631.8	660.1	688.3	695.4	773.4	877.3	929.3	1013.6	1182.1	1308.5	1328.0
137.5°	661.1	689.1	717.1	724.1	792.1	882.8	928.1	999.3	1141.8	1248.7	1264.6
140°	685.5	711.3	737.1	743.5	803.6	883.7	923.7	985.2	1108.3	1200.6	1215.5
142.5°	704.2	728.0	751.8	757.8	813.1	886.8	923.7	977.8	1085.9	1167.0	1179.8
145°	732.9	753.7	774.4	779.6	825.6	886.9	917.5	961.7	1050.1	1116.4	1126.1
147.5°	761.5	781.8	802.0	807.1	843.9	893.0	917.5	952.3	1021.8	1074.0	1082.0
150°	780.3	798.6	816.8	821.4	853.4	896.1	917.5	946.9	1005.6	1049.7	1056.2
152.5°	799.6	813.5	827.3	830.8	859.7	898.2	917.5	942.6	992.8	1030.4	1035.3
155°	828.3	838.6	848.8	851.4	873.4	902.8	917.5	937.5	977.4	1007.3	1010.6
157.5°	849.5	859.5	869.4	871.9	887.1	907.4	917.5	933.0	964.0	987.3	989.6
160°	863.8	871.6	879.4	881.3	893.4	909.5	917.5	930.8	957.4	977.3	978.6
162.5°	878.2	884.0	889.8	891.3	900.0	911.7	917.5	928.7	951.2	968.0	969.2
165°	893.8	899.0	904.3	905.6	909.6	914.9	917.5	925.5	941.6	953.6	954.9
167.5°	908.1	910.6	913.1	913.7	917.0	921.5	923.7	929.0	939.5	947.4	948.0
170°	917.5	920.0	922.5	923.1	923.3	923.6	923.7	929.0	939.5	947.4	947.4
172.5°	922.5	923.0	923.6	923.7	923.7	923.7	923.7	927.9	936.2	942.4	941.9
175°	929.3	929.3	929.3	929.3	927.4	924.9	923.7	926.3	931.6	935.6	935.6
177.5°	929.3	929.3	929.3	929.3	927.9	926.0	925.0	927.1	931.2	934.3	933.7
180°	929.3	929.3	929.3	929.3	929.3	929.3	929.3	929.3	929.3	929.3	929.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	708.9	708.9	708.9	708.9	708.9	708.9	708.9	708.9	708.9	708.9	708.9
2.5°	727.0	725.0	727.0	725.6	726.3	724.3	718.3	716.3	718.3	720.3	720.3
5°	735.7	734.4	735.7	735.7	735.0	733.7	727.0	725.6	727.0	727.7	726.3
7.5°	738.4	736.4	738.4	737.0	737.0	735.7	729.0	727.7	728.3	730.3	728.3
10°	738.4	736.4	738.4	737.7	737.0	735.7	729.0	726.3	726.3	728.3	726.3
12.5°	735.0	733.7	735.0	733.7	733.7	732.4	725.6	723.0	723.6	724.3	721.6
15°	729.7	727.7	729.7	728.3	729.0	727.0	719.6	716.9	716.9	718.3	713.6
17.5°	721.6	718.9	721.6	721.0	720.3	718.9	712.2	709.6	708.9	709.6	706.2
20°	712.2	710.2	712.2	711.6	711.6	708.9	702.2	698.8	698.8	698.8	695.5
22.5°	697.5	695.5	697.5	698.8	698.8	698.1	692.1	687.4	686.1	686.1	682.1
25°	680.7	678.7	680.7	680.7	680.0	680.7	678.7	676.0	674.0	672.0	668.0
27.5°	664.6	663.3	664.6	663.3	664.6	662.6	661.9	661.3	658.6	656.6	651.2
30°	648.5	647.2	648.5	647.2	645.8	644.5	641.1	639.8	642.5	641.1	632.4
32.5°	628.4	627.1	628.4	628.4	627.1	627.1	621.7	619.7	620.4	624.4	616.3
35°	607.6	605.6	607.6	606.9	607.6	605.6	602.2	601.6	598.9	603.6	597.6
37.5°	583.5	581.5	583.5	583.5	583.5	584.8	582.1	580.1	576.1	582.1	577.4
40°	558.7	556.0	558.7	558.0	558.7	560.0	558.7	557.3	553.3	558.0	554.0
42.5°	530.5	529.8	530.5	531.2	531.2	533.8	535.9	533.2	531.8	528.5	531.2
45°	500.3	499.0	500.3	501.6	502.3	503.7	509.7	509.7	507.7	502.3	506.3
47.5°	468.1	464.8	468.1	472.1	472.1	474.2	480.2	484.9	481.5	474.8	476.8
50°	433.9	434.6	433.9	436.6	436.6	444.0	448.7	453.4	456.7	448.7	439.3
52.5°	400.4	399.7	400.4	402.4	405.1	408.4	416.5	421.2	426.5	421.8	407.1
55°	366.8	368.2	366.8	367.5	368.9	370.9	382.9	387.6	397.7	391.7	376.2
57.5°	333.3	331.3	333.3	334.7	335.3	337.3	347.4	356.1	362.2	362.8	344.0
60°	294.4	291.7	294.4	300.5	301.8	303.1	312.5	320.6	325.9	327.9	308.5
62.5°	260.2	255.5	260.2	264.2	266.9	270.3	277.0	289.1	293.7	294.4	266.9
65°	224.0	222.0	224.0	232.0	232.7	236.7	244.1	252.8	262.9	261.6	222.0
67.5°	191.1	191.1	191.1	196.5	200.5	202.5	211.9	216.0	228.7	230.0	185.1
70°	161.0	160.3	161.0	165.0	167.7	172.4	181.1	185.8	195.8	199.2	150.2
72.5°	132.1	131.4	132.1	135.5	138.2	142.2	149.6	154.9	163.6	167.7	116.7
75°	106.6	105.3	106.6	109.3	108.6	114.0	120.0	125.4	133.5	136.1	86.5
77.5°	81.8	81.8	81.8	84.5	84.5	89.9	92.6	99.3	104.0	108.0	63.7
80°	61.0	60.4	61.0	61.7	61.7	64.4	69.1	73.8	77.8	77.8	43.6
82.5°	42.9	41.6	42.9	42.9	42.9	44.3	46.9	48.3	51.0	53.0	27.5
85°	26.8	26.8	26.8	27.5	26.8	28.2	28.8	30.2	30.2	28.8	16.8
87.5°	17.4	16.8	17.4	16.8	16.8	16.1	16.1	16.1	15.4	14.8	9.4
90°	23.7	23.7	23.7	23.7	23.7	31.6	42.1	47.4	40.8	27.5	17.5
92.5°	94.9	76.1	94.9	113.8	118.5	168.0	233.9	266.9	234.3	169.2	120.4
95°	330.9	273.8	330.9	388.0	402.3	528.3	696.3	780.3	659.0	416.4	234.5
97.5°	792.9	684.2	792.9	901.5	928.7	1008.3	1114.5	1167.6	965.4	560.9	257.6
100°	1142.4	1012.9	1142.4	1271.8	1304.2	1298.4	1290.6	1286.7	1062.3	613.5	276.9
102.5°	1486.2	1375.3	1486.2	1597.1	1624.8	1523.3	1388.0	1320.4	1092.8	637.7	296.3
105°	1924.5	1864.9	1924.5	1984.1	1999.0	1771.5	1468.2	1316.6	1096.2	655.5	325.0
107.5°	2211.6	2226.0	2211.6	2197.2	2193.6	1876.3	1453.3	1241.8	1047.5	658.9	367.4
110°	2321.1	2383.2	2321.1	2259.0	2243.5	1888.8	1415.9	1179.4	1004.2	653.9	391.1



TEST NUMBER: P935814

CATALOG NUMBER: SQ4-FA-150U-050D-835-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2330.9	2426.2	2330.9	2235.5	2211.7	1848.7	1364.7	1122.7	966.5	654.1	419.8
115°	2269.1	2401.3	2269.1	2136.9	2103.8	1754.1	1287.8	1054.7	923.2	660.1	462.8
117.5°	2138.0	2284.6	2138.0	1991.4	1954.7	1639.1	1218.3	1007.9	896.1	672.4	504.6
120°	2032.4	2174.9	2032.4	1889.9	1854.3	1565.9	1181.4	989.2	886.9	682.3	528.9
122.5°	1929.6	2070.1	1929.6	1789.0	1753.9	1494.2	1148.0	974.9	882.2	696.7	557.6
125°	1782.8	1912.3	1782.8	1653.4	1621.0	1400.4	1106.3	959.3	878.2	716.0	594.4
127.5°	1650.9	1760.1	1650.9	1541.7	1514.4	1325.0	1072.5	946.2	875.9	735.3	629.9
130°	1573.1	1674.0	1573.1	1472.2	1447.0	1278.4	1053.6	941.2	877.3	749.5	653.6
132.5°	1502.5	1592.9	1502.5	1412.2	1389.6	1238.7	1037.4	936.8	878.2	760.9	673.0
135°	1405.9	1483.8	1405.9	1328.0	1308.5	1182.1	1013.6	929.3	877.3	773.4	695.4
137.5°	1328.4	1392.1	1328.4	1264.6	1248.7	1141.8	999.3	928.1	882.8	792.1	724.1
140°	1275.1	1334.7	1275.1	1215.5	1200.6	1108.3	985.2	923.7	883.7	803.6	743.5
142.5°	1231.1	1282.3	1231.1	1179.8	1167.0	1085.9	977.8	923.7	886.8	813.1	757.8
145°	1165.0	1203.8	1165.0	1126.1	1116.4	1050.1	961.7	917.5	886.9	825.6	779.6
147.5°	1114.2	1146.4	1114.2	1082.0	1074.0	1021.8	952.3	917.5	893.0	843.9	807.1
150°	1082.3	1108.3	1082.3	1056.2	1049.7	1005.6	946.9	917.5	896.1	853.4	821.4
152.5°	1055.0	1074.6	1055.0	1035.3	1030.4	992.8	942.6	917.5	898.2	859.7	830.8
155°	1023.6	1036.6	1023.6	1010.6	1007.3	977.4	937.5	917.5	902.8	873.4	851.4
157.5°	998.7	1007.9	998.7	989.6	987.3	964.0	933.0	917.5	907.4	887.1	871.9
160°	983.9	989.2	983.9	978.6	977.3	957.4	930.8	917.5	909.5	893.4	881.3
162.5°	974.2	979.2	974.2	969.2	968.0	951.2	928.7	917.5	911.7	900.0	891.3
165°	960.2	965.5	960.2	954.9	953.6	941.6	925.5	917.5	914.9	909.6	905.6
167.5°	950.2	952.4	950.2	948.0	947.4	939.5	929.0	923.7	921.5	917.0	913.7
170°	947.4	947.4	947.4	947.4	947.4	939.5	929.0	923.7	923.6	923.3	923.1
172.5°	940.0	938.1	940.0	941.9	942.4	936.2	927.9	923.7	923.7	923.7	923.7
175°	935.6	935.6	935.6	935.6	935.6	931.6	926.3	923.7	924.9	927.4	929.3
177.5°	931.5	929.3	931.5	933.7	934.3	931.2	927.1	925.0	926.0	927.9	929.3
180°	929.3	929.3	929.3	929.3	929.3	929.3	929.3	929.3	929.3	929.3	929.3



TEST NUMBER: P935814

CATALOG NUMBER: SQ4-FA-150U-050D-835-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	708.9	708.9	708.9	708.9	708.9	708.9	708.9	708.9	708.9	708.9	708.9
2.5°	718.9	714.9	714.9	708.2	705.5	703.5	700.2	690.1	687.4	684.7	688.8
5°	725.0	717.6	712.2	700.2	690.1	686.1	673.3	649.2	633.1	621.0	614.3
7.5°	726.3	716.9	706.9	688.1	663.9	653.2	614.3	570.1	558.0	547.3	540.5
10°	725.0	714.2	700.2	672.0	615.0	596.2	557.3	528.5	521.1	519.1	521.1
12.5°	720.3	710.2	690.8	643.8	564.0	551.3	528.5	511.7	510.4	513.7	531.8
15°	712.2	702.8	680.0	606.3	535.9	526.5	510.4	504.3	511.7	535.2	589.5
17.5°	704.2	693.5	665.3	569.4	514.4	507.7	496.3	508.4	549.9	581.5	599.6
20°	693.5	680.7	648.5	542.6	499.0	492.9	487.6	541.9	573.4	584.8	594.9
22.5°	680.7	667.3	625.7	523.8	482.9	478.2	481.5	560.7	573.4	581.5	590.2
25°	663.9	652.5	598.9	509.0	470.1	464.8	477.5	558.7	566.0	568.0	585.5
27.5°	648.5	633.8	570.7	495.6	454.7	452.7	480.9	549.9	555.3	557.3	576.1
30°	629.7	607.6	539.2	481.5	438.6	437.9	481.5	539.2	537.9	543.2	562.0
32.5°	610.3	568.7	503.7	464.1	423.2	422.5	476.8	523.1	521.8	529.1	543.2
35°	592.2	538.5	455.4	444.0	403.7	404.4	465.4	504.3	505.0	511.7	520.4
37.5°	573.4	512.4	402.4	421.8	385.0	385.0	450.0	486.9	485.6	487.6	499.6
40°	551.3	471.5	355.4	393.0	367.5	365.5	431.2	468.1	463.4	462.8	479.5
42.5°	527.8	426.5	320.6	354.8	347.4	344.7	408.4	445.3	436.6	438.6	460.1
45°	502.3	414.5	293.7	299.8	326.6	324.6	383.6	419.2	413.1	418.5	440.6
47.5°	476.8	390.3	285.0	248.8	304.5	303.8	356.1	393.7	390.3	395.7	419.2
50°	442.0	363.5	284.4	213.3	279.7	282.3	323.3	368.9	368.9	373.6	398.4
52.5°	397.0	330.6	258.2	193.1	250.8	258.9	294.4	347.4	348.7	353.4	375.6
55°	356.1	296.4	239.4	177.7	216.6	234.1	266.2	325.3	327.9	332.6	352.8
57.5°	318.6	246.8	235.4	159.6	185.1	201.9	241.4	303.8	305.1	309.2	328.6
60°	278.3	178.4	216.0	140.2	157.6	170.3	218.6	278.3	283.0	285.7	302.5
62.5°	232.7	129.4	195.8	126.8	144.2	146.9	199.9	254.2	260.2	262.2	272.3
65°	165.7	108.6	166.3	115.4	130.1	130.8	179.7	229.4	234.7	238.1	245.5
67.5°	112.0	88.5	126.8	104.6	119.4	120.0	160.3	200.5	207.9	210.6	215.3
70°	77.8	59.0	93.9	93.2	107.3	108.6	139.5	174.4	181.1	183.1	185.8
72.5°	57.0	47.6	77.8	83.8	94.6	95.9	118.0	144.9	151.6	153.6	154.9
75°	43.6	50.3	63.0	73.1	80.5	81.1	96.6	118.0	122.7	124.1	124.7
77.5°	34.9	46.9	46.3	59.0	65.7	64.4	75.8	91.2	95.2	95.2	95.2
80°	26.2	36.9	34.9	42.3	48.3	46.9	54.3	65.1	66.4	67.7	67.1
82.5°	19.4	23.5	23.5	26.8	32.2	30.9	36.2	42.3	42.3	42.3	43.6
85°	12.1	13.4	10.7	14.1	18.1	17.4	20.1	22.8	23.5	23.5	22.1
87.5°	7.4	6.0	3.4	5.4	8.0	8.0	9.4	10.1	9.4	9.4	9.4
90°	16.2	11.2	6.2	11.2	16.2	17.5	27.5	40.8	47.4	42.1	31.6
92.5°	109.8	67.3	24.9	67.3	109.8	120.4	169.2	234.3	266.9	233.9	168.0
95°	215.1	137.5	59.9	137.5	215.1	234.5	416.4	659.0	780.3	696.3	528.3
97.5°	240.5	172.0	103.5	172.0	240.5	257.6	560.9	965.4	1167.6	1114.5	1008.3
100°	261.4	199.3	137.2	199.3	261.4	276.9	613.5	1062.3	1286.7	1290.6	1298.4
102.5°	281.8	223.9	165.9	223.9	281.8	296.3	637.7	1092.8	1320.4	1388.0	1523.3
105°	312.7	263.7	214.6	263.7	312.7	325.0	655.5	1096.2	1316.6	1468.2	1771.5
107.5°	356.0	310.2	264.5	310.2	356.0	367.4	658.9	1047.5	1241.8	1453.3	1876.3
110°	380.8	339.4	298.1	339.4	380.8	391.1	653.9	1004.2	1179.4	1415.9	1888.8



TEST NUMBER: P935814

CATALOG NUMBER: SQ4-FA-150U-050D-835-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	410.0	370.6	331.2	370.6	410.0	419.8	654.1	966.5	1122.7	1364.7	1848.7
115°	453.7	417.4	381.1	417.4	453.7	462.8	660.1	923.2	1054.7	1287.8	1754.1
117.5°	496.4	463.4	430.4	463.4	496.4	504.6	672.4	896.1	1007.9	1218.3	1639.1
120°	521.1	490.1	459.0	490.1	521.1	528.9	682.3	886.9	989.2	1181.4	1565.9
122.5°	549.8	518.4	487.1	518.4	549.8	557.6	696.7	882.2	974.9	1148.0	1494.2
125°	587.3	558.7	530.2	558.7	587.3	594.4	716.0	878.2	959.3	1106.3	1400.4
127.5°	622.7	593.9	565.1	593.9	622.7	629.9	735.3	875.9	946.2	1072.5	1325.0
130°	645.8	614.8	583.8	614.8	645.8	653.6	749.5	877.3	941.2	1053.6	1278.4
132.5°	665.2	634.2	603.1	634.2	665.2	673.0	760.9	878.2	936.8	1037.4	1238.7
135°	688.3	660.1	631.8	660.1	688.3	695.4	773.4	877.3	929.3	1013.6	1182.1
137.5°	717.1	689.1	661.1	689.1	717.1	724.1	792.1	882.8	928.1	999.3	1141.8
140°	737.1	711.3	685.5	711.3	737.1	743.5	803.6	883.7	923.7	985.2	1108.3
142.5°	751.8	728.0	704.2	728.0	751.8	757.8	813.1	886.8	923.7	977.8	1085.9
145°	774.4	753.7	732.9	753.7	774.4	779.6	825.6	886.9	917.5	961.7	1050.1
147.5°	802.0	781.8	761.5	781.8	802.0	807.1	843.9	893.0	917.5	952.3	1021.8
150°	816.8	798.6	780.3	798.6	816.8	821.4	853.4	896.1	917.5	946.9	1005.6
152.5°	827.3	813.5	799.6	813.5	827.3	830.8	859.7	898.2	917.5	942.6	992.8
155°	848.8	838.6	828.3	838.6	848.8	851.4	873.4	902.8	917.5	937.5	977.4
157.5°	869.4	859.5	849.5	859.5	869.4	871.9	887.1	907.4	917.5	933.0	964.0
160°	879.4	871.6	863.8	871.6	879.4	881.3	893.4	909.5	917.5	930.8	957.4
162.5°	889.8	884.0	878.2	884.0	889.8	891.3	900.0	911.7	917.5	928.7	951.2
165°	904.3	899.0	893.8	899.0	904.3	905.6	909.6	914.9	917.5	925.5	941.6
167.5°	913.1	910.6	908.1	910.6	913.1	913.7	917.0	921.5	923.7	929.0	939.5
170°	922.5	920.0	917.5	920.0	922.5	923.1	923.3	923.6	923.7	929.0	939.5
172.5°	923.6	923.0	922.5	923.0	923.6	923.7	923.7	923.7	923.7	927.9	936.2
175°	929.3	929.3	929.3	929.3	929.3	929.3	927.4	924.9	923.7	926.3	931.6
177.5°	929.3	929.3	929.3	929.3	929.3	929.3	927.9	926.0	925.0	927.1	931.2
180°	929.3	929.3	929.3	929.3	929.3	929.3	929.3	929.3	929.3	929.3	929.3



TEST NUMBER: P935814
 CATALOG NUMBER: SQ4-FA-150U-050D-835-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	708.9	708.9	708.9	708.9	708.9	708.9	708.9	708.9	708.9	708.9	708.9
2.5°	684.1	682.1	684.7	677.4	684.7	682.1	684.1	688.8	684.7	687.4	690.1
5°	600.2	596.9	586.2	577.4	586.2	596.9	600.2	614.3	621.0	633.1	649.2
7.5°	536.5	533.8	531.2	525.8	531.2	533.8	536.5	540.5	547.3	558.0	570.1
10°	522.4	523.1	527.1	526.5	527.1	523.1	522.4	521.1	519.1	521.1	528.5
12.5°	558.7	564.7	586.8	585.5	586.8	564.7	558.7	531.8	513.7	510.4	511.7
15°	600.2	602.2	606.9	607.6	606.9	602.2	600.2	589.5	535.2	511.7	504.3
17.5°	604.3	604.9	608.3	608.3	608.3	604.9	604.3	599.6	581.5	549.9	508.4
20°	600.9	602.2	609.0	610.3	609.0	602.2	600.9	594.9	584.8	573.4	541.9
22.5°	599.6	602.2	607.6	606.9	607.6	602.2	599.6	590.2	581.5	573.4	560.7
25°	592.9	592.9	593.5	594.2	593.5	592.9	592.9	585.5	568.0	566.0	558.7
27.5°	578.8	580.1	584.1	583.5	584.1	580.1	578.8	576.1	557.3	555.3	549.9
30°	566.0	564.7	561.3	558.7	561.3	564.7	566.0	562.0	543.2	537.9	539.2
32.5°	544.6	541.2	537.9	535.9	537.9	541.2	544.6	543.2	529.1	521.8	523.1
35°	519.1	519.8	519.1	517.1	519.1	519.8	519.1	520.4	511.7	505.0	504.3
37.5°	501.0	502.3	501.6	499.0	501.6	502.3	501.0	499.6	487.6	485.6	486.9
40°	482.2	482.9	482.2	480.2	482.2	482.9	482.2	479.5	462.8	463.4	468.1
42.5°	464.1	463.4	461.4	460.1	461.4	463.4	464.1	460.1	438.6	436.6	445.3
45°	443.3	444.0	439.9	437.9	439.9	444.0	443.3	440.6	418.5	413.1	419.2
47.5°	422.5	422.5	419.2	417.1	419.2	422.5	422.5	419.2	395.7	390.3	393.7
50°	400.4	399.7	395.0	394.3	395.0	399.7	400.4	398.4	373.6	368.9	368.9
52.5°	374.9	374.9	375.6	376.9	375.6	374.9	374.9	375.6	353.4	348.7	347.4
55°	352.8	353.4	358.1	359.5	358.1	353.4	352.8	352.8	332.6	327.9	325.3
57.5°	330.0	330.0	333.3	333.3	333.3	330.0	330.0	328.6	309.2	305.1	303.8
60°	303.8	305.1	307.8	307.2	307.8	305.1	303.8	302.5	285.7	283.0	278.3
62.5°	276.3	277.7	278.3	277.0	278.3	277.7	276.3	272.3	262.2	260.2	254.2
65°	247.5	248.8	249.5	248.1	249.5	248.8	247.5	245.5	238.1	234.7	229.4
67.5°	218.0	217.3	216.6	219.3	216.6	217.3	218.0	215.3	210.6	207.9	200.5
70°	187.8	187.8	187.1	188.5	187.1	187.8	187.8	185.8	183.1	181.1	174.4
72.5°	155.6	154.9	157.6	155.6	157.6	154.9	155.6	154.9	153.6	151.6	144.9
75°	124.1	125.4	124.1	126.1	124.1	125.4	124.1	124.7	124.1	122.7	118.0
77.5°	94.6	95.9	94.6	94.6	94.6	95.9	94.6	95.2	95.2	95.2	91.2
80°	67.1	66.4	66.4	65.7	66.4	66.4	67.1	67.1	67.7	66.4	65.1
82.5°	42.9	42.3	42.3	43.6	42.3	42.3	42.9	43.6	42.3	42.3	42.3
85°	23.5	24.1	22.8	22.8	22.8	24.1	23.5	22.1	23.5	23.5	22.8
87.5°	8.7	8.0	8.0	8.0	8.0	8.0	8.7	9.4	9.4	9.4	10.1
90°	23.7	23.7	23.7	23.7	23.7	23.7	23.7	31.6	42.1	47.4	40.8
92.5°	118.5	113.8	94.9	76.1	94.9	113.8	118.5	168.0	233.9	266.9	234.3
95°	402.3	388.0	330.9	273.8	330.9	388.0	402.3	528.3	696.3	780.3	659.0
97.5°	928.7	901.5	792.9	684.2	792.9	901.5	928.7	1008.3	1114.5	1167.6	965.4
100°	1304.2	1271.8	1142.4	1012.9	1142.4	1271.8	1304.2	1298.4	1290.6	1286.7	1062.3
102.5°	1624.8	1597.1	1486.2	1375.3	1486.2	1597.1	1624.8	1523.3	1388.0	1320.4	1092.8
105°	1999.0	1984.1	1924.5	1864.9	1924.5	1984.1	1999.0	1771.5	1468.2	1316.6	1096.2
107.5°	2193.6	2197.2	2211.6	2226.0	2211.6	2197.2	2193.6	1876.3	1453.3	1241.8	1047.5
110°	2243.5	2259.0	2321.1	2383.2	2321.1	2259.0	2243.5	1888.8	1415.9	1179.4	1004.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2211.7	2235.5	2330.9	2426.2	2330.9	2235.5	2211.7	1848.7	1364.7	1122.7	966.5
115°	2103.8	2136.9	2269.1	2401.3	2269.1	2136.9	2103.8	1754.1	1287.8	1054.7	923.2
117.5°	1954.7	1991.4	2138.0	2284.6	2138.0	1991.4	1954.7	1639.1	1218.3	1007.9	896.1
120°	1854.3	1889.9	2032.4	2174.9	2032.4	1889.9	1854.3	1565.9	1181.4	989.2	886.9
122.5°	1753.9	1789.0	1929.6	2070.1	1929.6	1789.0	1753.9	1494.2	1148.0	974.9	882.2
125°	1621.0	1653.4	1782.8	1912.3	1782.8	1653.4	1621.0	1400.4	1106.3	959.3	878.2
127.5°	1514.4	1541.7	1650.9	1760.1	1650.9	1541.7	1514.4	1325.0	1072.5	946.2	875.9
130°	1447.0	1472.2	1573.1	1674.0	1573.1	1472.2	1447.0	1278.4	1053.6	941.2	877.3
132.5°	1389.6	1412.2	1502.5	1592.9	1502.5	1412.2	1389.6	1238.7	1037.4	936.8	878.2
135°	1308.5	1328.0	1405.9	1483.8	1405.9	1328.0	1308.5	1182.1	1013.6	929.3	877.3
137.5°	1248.7	1264.6	1328.4	1392.1	1328.4	1264.6	1248.7	1141.8	999.3	928.1	882.8
140°	1200.6	1215.5	1275.1	1334.7	1275.1	1215.5	1200.6	1108.3	985.2	923.7	883.7
142.5°	1167.0	1179.8	1231.1	1282.3	1231.1	1179.8	1167.0	1085.9	977.8	923.7	886.8
145°	1116.4	1126.1	1165.0	1203.8	1165.0	1126.1	1116.4	1050.1	961.7	917.5	886.9
147.5°	1074.0	1082.0	1114.2	1146.4	1114.2	1082.0	1074.0	1021.8	952.3	917.5	893.0
150°	1049.7	1056.2	1082.3	1108.3	1082.3	1056.2	1049.7	1005.6	946.9	917.5	896.1
152.5°	1030.4	1035.3	1055.0	1074.6	1055.0	1035.3	1030.4	992.8	942.6	917.5	898.2
155°	1007.3	1010.6	1023.6	1036.6	1023.6	1010.6	1007.3	977.4	937.5	917.5	902.8
157.5°	987.3	989.6	998.7	1007.9	998.7	989.6	987.3	964.0	933.0	917.5	907.4
160°	977.3	978.6	983.9	989.2	983.9	978.6	977.3	957.4	930.8	917.5	909.5
162.5°	968.0	969.2	974.2	979.2	974.2	969.2	968.0	951.2	928.7	917.5	911.7
165°	953.6	954.9	960.2	965.5	960.2	954.9	953.6	941.6	925.5	917.5	914.9
167.5°	947.4	948.0	950.2	952.4	950.2	948.0	947.4	939.5	929.0	923.7	921.5
170°	947.4	947.4	947.4	947.4	947.4	947.4	947.4	939.5	929.0	923.7	923.6
172.5°	942.4	941.9	940.0	938.1	940.0	941.9	942.4	936.2	927.9	923.7	923.7
175°	935.6	935.6	935.6	935.6	935.6	935.6	935.6	931.6	926.3	923.7	924.9
177.5°	934.3	933.7	931.5	929.3	931.5	933.7	934.3	931.2	927.1	925.0	926.0
180°	929.3	929.3	929.3	929.3	929.3	929.3	929.3	929.3	929.3	929.3	929.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	708.9	708.9	708.9	708.9	708.9
2.5°	700.2	703.5	705.5	708.2	714.9
5°	673.3	686.1	690.1	700.2	712.2
7.5°	614.3	653.2	663.9	688.1	706.9
10°	557.3	596.2	615.0	672.0	700.2
12.5°	528.5	551.3	564.0	643.8	690.8
15°	510.4	526.5	535.9	606.3	680.0
17.5°	496.3	507.7	514.4	569.4	665.3
20°	487.6	492.9	499.0	542.6	648.5
22.5°	481.5	478.2	482.9	523.8	625.7
25°	477.5	464.8	470.1	509.0	598.9
27.5°	480.9	452.7	454.7	495.6	570.7
30°	481.5	437.9	438.6	481.5	539.2
32.5°	476.8	422.5	423.2	464.1	503.7
35°	465.4	404.4	403.7	444.0	455.4
37.5°	450.0	385.0	385.0	421.8	402.4
40°	431.2	365.5	367.5	393.0	355.4
42.5°	408.4	344.7	347.4	354.8	320.6
45°	383.6	324.6	326.6	299.8	293.7
47.5°	356.1	303.8	304.5	248.8	285.0
50°	323.3	282.3	279.7	213.3	284.4
52.5°	294.4	258.9	250.8	193.1	258.2
55°	266.2	234.1	216.6	177.7	239.4
57.5°	241.4	201.9	185.1	159.6	235.4
60°	218.6	170.3	157.6	140.2	216.0
62.5°	199.9	146.9	144.2	126.8	195.8
65°	179.7	130.8	130.1	115.4	166.3
67.5°	160.3	120.0	119.4	104.6	126.8
70°	139.5	108.6	107.3	93.2	93.9
72.5°	118.0	95.9	94.6	83.8	77.8
75°	96.6	81.1	80.5	73.1	63.0
77.5°	75.8	64.4	65.7	59.0	46.3
80°	54.3	46.9	48.3	42.3	34.9
82.5°	36.2	30.9	32.2	26.8	23.5
85°	20.1	17.4	18.1	14.1	10.7
87.5°	9.4	8.0	8.0	5.4	3.4
90°	27.5	17.5	16.2	11.2	6.2
92.5°	169.2	120.4	109.8	67.3	24.9
95°	416.4	234.5	215.1	137.5	59.9
97.5°	560.9	257.6	240.5	172.0	103.5
100°	613.5	276.9	261.4	199.3	137.2
102.5°	637.7	296.3	281.8	223.9	165.9
105°	655.5	325.0	312.7	263.7	214.6
107.5°	658.9	367.4	356.0	310.2	264.5
110°	653.9	391.1	380.8	339.4	298.1



TEST NUMBER: P935814

CATALOG NUMBER: SQ4-FA-150U-050D-835-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	654.1	419.8	410.0	370.6	331.2
115°	660.1	462.8	453.7	417.4	381.1
117.5°	672.4	504.6	496.4	463.4	430.4
120°	682.3	528.9	521.1	490.1	459.0
122.5°	696.7	557.6	549.8	518.4	487.1
125°	716.0	594.4	587.3	558.7	530.2
127.5°	735.3	629.9	622.7	593.9	565.1
130°	749.5	653.6	645.8	614.8	583.8
132.5°	760.9	673.0	665.2	634.2	603.1
135°	773.4	695.4	688.3	660.1	631.8
137.5°	792.1	724.1	717.1	689.1	661.1
140°	803.6	743.5	737.1	711.3	685.5
142.5°	813.1	757.8	751.8	728.0	704.2
145°	825.6	779.6	774.4	753.7	732.9
147.5°	843.9	807.1	802.0	781.8	761.5
150°	853.4	821.4	816.8	798.6	780.3
152.5°	859.7	830.8	827.3	813.5	799.6
155°	873.4	851.4	848.8	838.6	828.3
157.5°	887.1	871.9	869.4	859.5	849.5
160°	893.4	881.3	879.4	871.6	863.8
162.5°	900.0	891.3	889.8	884.0	878.2
165°	909.6	905.6	904.3	899.0	893.8
167.5°	917.0	913.7	913.1	910.6	908.1
170°	923.3	923.1	922.5	920.0	917.5
172.5°	923.7	923.7	923.6	923.0	922.5
175°	927.4	929.3	929.3	929.3	929.3
177.5°	927.9	929.3	929.3	929.3	929.3
180°	929.3	929.3	929.3	929.3	929.3



TEST NUMBER: P935814
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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	8.13	8.79	9.29	9.94	11.54	10.93	11.59	12.08	12.73	14.34
	3H	8.59	9.18	9.75	10.34	11.96	12.25	12.84	13.41	13.99	15.61
	4H	8.77	9.34	9.94	10.49	12.11	12.67	13.24	13.85	14.39	16.02
	6H	8.88	9.40	10.06	10.55	12.19	12.94	13.46	14.12	14.61	16.25
	8H	8.88	9.37	10.06	10.54	12.17	13.01	13.50	14.19	14.67	16.30
	12H	8.84	9.31	10.03	10.47	12.12	13.03	13.50	14.22	14.66	16.31
4H	2H	9.13	9.69	10.31	10.85	12.47	11.31	11.88	12.49	13.03	14.65
	3H	10.14	10.61	11.32	11.78	13.42	12.79	13.26	13.97	14.44	16.08
	4H	10.40	10.84	11.59	12.00	13.66	13.30	13.74	14.49	14.90	16.56
	6H	10.52	10.89	11.71	12.08	13.72	13.65	14.02	14.84	15.21	16.85
	8H	10.52	10.87	11.71	12.04	13.71	13.75	14.09	14.93	15.27	16.93
	12H	10.48	10.79	11.68	11.98	13.65	13.79	14.10	14.99	15.29	16.96
8H	4H	10.84	11.18	12.03	12.36	14.02	13.41	13.76	14.60	14.94	16.60
	6H	11.09	11.38	12.30	12.60	14.26	13.83	14.12	15.04	15.34	17.00
	8H	11.13	11.38	12.34	12.58	14.26	13.98	14.22	15.19	15.42	17.10
	12H	11.11	11.32	12.32	12.52	14.23	14.06	14.28	15.28	15.47	17.18
12H	4H	10.83	11.15	12.04	12.34	14.00	13.37	13.68	14.57	14.87	16.54
	6H	11.15	11.40	12.36	12.59	14.27	13.83	14.08	15.04	15.27	16.95
	8H	11.20	11.42	12.42	12.62	14.33	13.97	14.19	15.19	15.39	17.10