

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: P934573

Luminaire Tested: SQ4-FA-050U-125D-940-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934573
REPORT IS A COMBINATION OF REPORTS P933701 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-125D-940-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

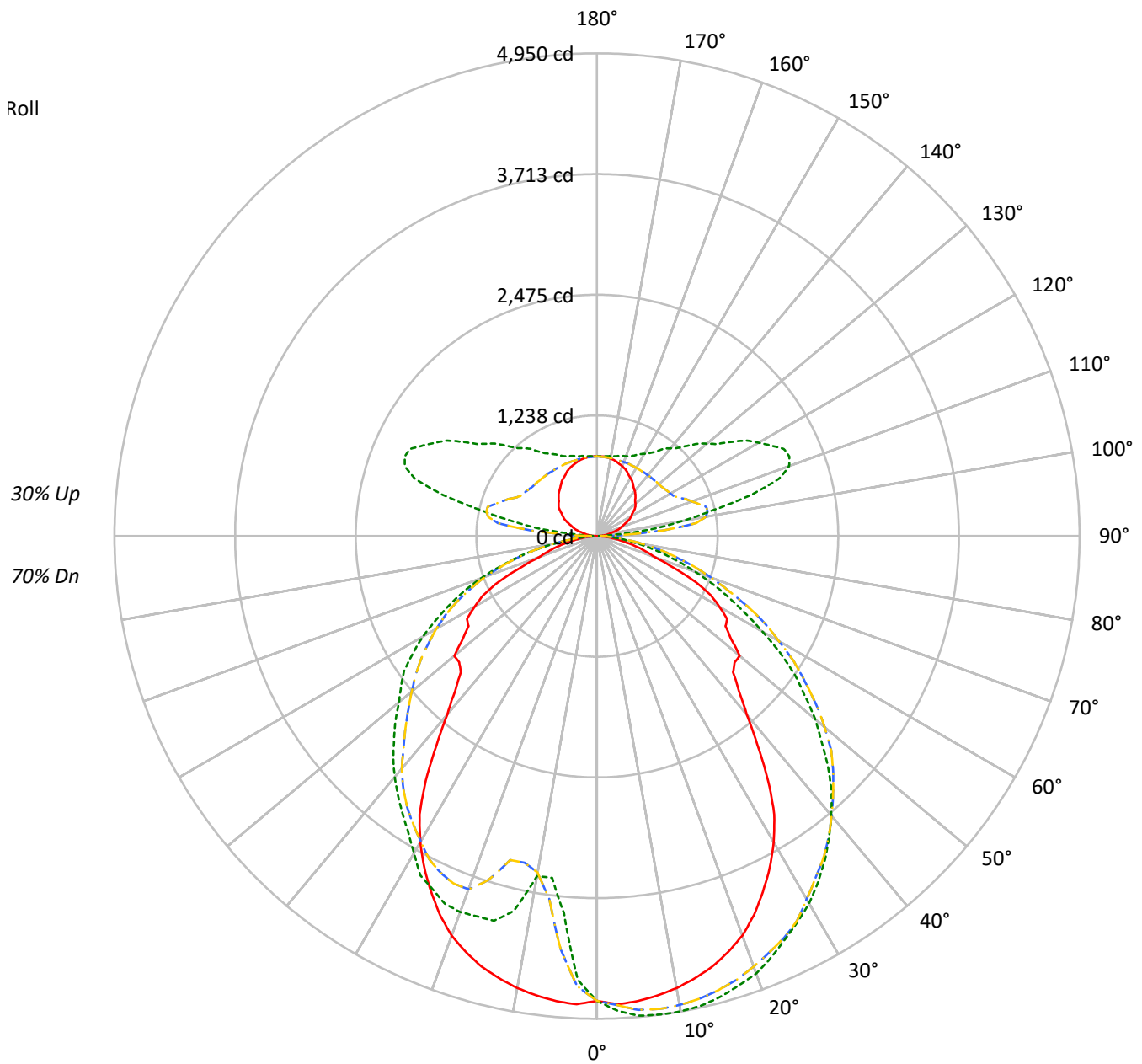
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17661.4 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 168
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	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	74	74	74	70
1	102	98	94	90	97	93	89	86	83	80	78	74	72	70	66	65	63	63	63	63	59
2	93	86	79	74	88	81	76	71	73	68	65	65	62	59	58	56	53	53	53	53	50
3	85	75	68	62	80	71	65	59	64	59	54	58	53	50	52	48	45	45	45	45	42
4	78	67	58	52	73	63	56	50	57	51	46	51	47	43	46	42	39	39	39	39	36
5	72	60	51	45	67	57	49	43	51	45	40	46	41	37	41	37	34	34	34	34	31
6	66	53	45	39	62	51	43	38	46	40	35	42	36	32	38	33	30	30	30	30	27
7	61	48	40	34	58	46	39	33	42	36	31	38	33	29	34	30	27	27	27	27	24
8	57	44	36	30	54	42	35	29	38	32	28	35	30	26	31	27	24	24	24	24	22
9	53	40	32	27	50	38	31	26	35	29	25	32	27	23	29	25	21	21	21	21	19
10	49	37	30	25	47	35	28	24	32	26	22	30	25	21	27	23	19	19	19	19	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14739	14739	14739	14739
5°	14854	14878	14854	11698
10°	14760	14655	14760	10478
15°	14605	14338	14605	11972
20°	14306	13962	14306	11997
25°	13686	13413	13686	11743
30°	12883	12957	12883	11185
35°	11491	12382	11491	10572
40°	9580	11703	9580	10108
45°	8566	10909	8566	9575
50°	9107	9963	9107	9040
55°	8576	8942	8576	8731
60°	8852	7595	8852	7997
65°	8039	6278	8039	7018
70°	5580	5003	5580	5882
75°	4912	3698	4912	4429
80°	3987	2445	3987	2663
85°	2336	1296	2336	1101

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13120 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	430.1	2.4
10°-20°	1221.2	6.9
20°-30°	1887.8	10.7
30°-40°	2253.6	12.8
40°-50°	2266.9	12.8
50°-60°	1972.4	11.2
60°-70°	1398.5	7.9
70°-80°	739.9	4.2
80°-90°	187.4	1.1
90°-100°	398.8	2.3
100°-110°	1048.4	5.9
110°-120°	1087.1	6.2
120°-130°	872.0	4.9
130°-140°	684.2	3.9
140°-150°	525.2	3.0
150°-160°	378.2	2.1
160°-170°	231.4	1.3
170°-180°	78.2	0.4
0°-30°	3539.2	20.0
0°-40°	5792.8	32.8
0°-60°	10032.1	56.8
0°-90°	12357.9	70.0
90°-120°	2534.3	14.3
90°-150°	4615.7	26.1
90°-180°	5304.0	30.0
0°-180°	17661.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4765	4765	4765	4765	4765	
5°	4788	4936	4788	3881	4788	454
15°	4571	4891	4571	4084	4571	1286
25°	4026	4562	4026	3994	4026	1848
35°	3061	4071	3061	3476	3061	1894
45°	1974	3354	1974	2944	1974	1582
55°	1609	2475	1609	2416	1609	1479
65°	1118	1492	1118	1668	1118	1069
75°	424	708	424	848	424	446
85°	72	180	72	153	72	97
90°	6	21	6	21	6	8
95°	53	241	53	241	53	59
105°	189	1642	189	1642	189	200
115°	336	2114	336	2114	336	331
125°	467	1684	467	1684	467	414
135°	556	1306	556	1306	556	430
145°	645	1060	645	1060	645	404
155°	729	913	729	913	729	335
165°	787	850	787	850	787	222
175°	818	824	818	824	818	78
180°	818	818	818	818	818	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0
2.5°	4805.6	4805.6	4832.6	4841.6	4841.6	4828.1	4814.6	4828.1	4868.6	4882.2	4877.7
5°	4787.5	4823.6	4873.2	4882.2	4891.2	4886.7	4877.7	4886.7	4931.8	4940.8	4945.3
7.5°	4751.4	4819.1	4882.2	4895.7	4909.2	4895.7	4891.2	4900.3	4945.3	4954.3	4954.3
10°	4706.4	4801.1	4873.2	4882.2	4895.7	4882.2	4882.2	4900.3	4945.3	4954.3	4958.9
12.5°	4643.3	4774.0	4841.6	4850.6	4868.6	4864.1	4859.7	4877.7	4922.7	4931.8	4931.8
15°	4571.2	4724.4	4787.5	4796.5	4828.1	4819.1	4819.1	4837.1	4886.7	4900.3	4895.7
17.5°	4472.0	4661.3	4733.4	4747.0	4769.4	4765.0	4769.4	4787.5	4832.6	4841.6	4846.1
20°	4359.3	4575.6	4661.3	4674.8	4697.3	4697.3	4697.3	4719.9	4765.0	4783.0	4783.0
22.5°	4206.0	4485.5	4575.6	4584.7	4611.7	4611.7	4620.7	4652.2	4692.8	4697.3	4697.3
25°	4025.7	4386.3	4462.9	4490.0	4517.1	4530.6	4544.1	4562.1	4575.6	4571.2	4575.6
27.5°	3836.3	4260.1	4359.3	4377.3	4413.4	4426.9	4444.9	4449.4	4453.9	4467.4	4458.5
30°	3624.5	4084.3	4233.0	4251.0	4309.6	4318.7	4300.7	4309.6	4332.2	4341.3	4350.2
32.5°	3385.5	3822.8	4102.3	4142.9	4197.0	4170.0	4165.4	4178.9	4215.0	4215.0	4224.0
35°	3060.9	3619.9	3980.5	4016.6	4057.2	4025.7	4043.7	4048.2	4070.8	4084.3	4079.7
37.5°	2704.8	3444.1	3854.4	3881.4	3913.0	3872.4	3899.5	3913.0	3931.0	3921.9	3921.9
40°	2389.3	3169.1	3705.6	3723.7	3750.6	3719.1	3746.2	3755.2	3764.2	3755.2	3750.6
42.5°	2154.8	2867.1	3547.8	3570.4	3552.4	3574.8	3583.9	3601.9	3588.4	3570.4	3570.4
45°	1974.5	2785.9	3376.5	3403.5	3376.5	3412.6	3426.1	3426.1	3385.5	3376.5	3372.0
47.5°	1915.9	2623.7	3205.2	3205.2	3191.6	3236.8	3259.3	3227.7	3187.2	3173.6	3173.6
50°	1911.4	2443.3	2970.8	2952.8	3015.8	3070.0	3047.4	3015.8	2984.3	2934.8	2934.8
52.5°	1735.6	2222.5	2668.7	2736.4	2835.6	2867.1	2831.0	2799.5	2745.3	2722.9	2704.8
55°	1609.3	1992.6	2393.8	2529.0	2632.7	2673.2	2605.7	2574.0	2493.0	2479.4	2470.4
57.5°	1582.3	1659.0	2141.3	2312.6	2438.8	2434.4	2393.8	2335.2	2267.5	2254.0	2249.5
60°	1451.6	1199.2	1870.8	2073.7	2204.5	2190.9	2154.8	2100.7	2037.6	2028.6	2019.6
62.5°	1316.4	870.1	1564.3	1794.2	1979.0	1974.5	1942.9	1861.8	1816.8	1794.2	1776.2
65°	1118.0	730.3	1113.5	1492.2	1758.2	1767.1	1699.5	1640.9	1591.3	1564.3	1559.8
67.5°	852.0	595.0	752.8	1244.2	1546.3	1537.2	1451.6	1424.5	1361.4	1347.9	1320.8
70°	631.1	396.7	522.9	1009.8	1338.8	1316.4	1248.7	1217.2	1158.6	1127.0	1108.9
72.5°	522.9	320.0	383.2	784.4	1127.0	1100.0	1041.4	1005.3	955.7	928.7	910.6
75°	423.8	338.1	293.0	581.6	915.1	897.1	843.0	806.9	766.3	730.3	734.8
77.5°	311.1	315.6	234.4	428.3	725.8	698.8	667.2	622.1	604.1	568.1	568.1
80°	234.4	247.9	175.8	293.0	522.9	522.9	495.9	464.3	432.8	414.7	414.7
82.5°	157.8	157.8	130.7	184.8	356.2	342.6	324.6	315.6	297.6	288.5	288.5
85°	72.1	90.1	81.2	112.7	193.9	202.8	202.8	193.9	189.3	180.4	184.8
87.5°	22.6	40.6	49.6	63.1	99.2	103.7	108.2	108.2	108.2	112.7	112.7
90°	5.5	9.9	14.3	15.4	24.2	35.9	41.7	37.1	27.8	20.9	20.9
92.5°	21.9	59.2	96.6	105.9	148.9	206.3	235.0	205.9	147.9	104.3	100.2
95°	52.7	121.0	189.4	206.5	366.6	580.1	686.9	612.9	465.0	354.1	341.5
97.5°	91.1	151.4	211.7	226.8	493.8	849.8	1027.9	981.2	887.6	817.6	793.7
100°	120.8	175.5	230.1	243.8	540.1	935.2	1132.7	1136.1	1142.9	1148.1	1119.6
102.5°	146.1	197.0	248.0	260.8	561.3	962.1	1162.4	1221.9	1341.0	1430.3	1405.9
105°	188.9	232.0	275.2	286.0	577.0	965.1	1159.1	1292.6	1559.5	1759.7	1746.6
107.5°	232.8	273.1	313.4	323.4	580.0	922.2	1093.2	1279.4	1651.9	1931.1	1934.3
110°	262.5	298.8	335.2	344.3	575.6	884.1	1038.3	1246.5	1662.8	1975.0	1988.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	291.5	326.2	360.8	369.5	575.8	850.8	988.3	1201.4	1627.4	1947.0	1968.0
115°	335.5	367.5	399.4	407.4	581.1	812.7	928.5	1133.7	1544.1	1852.0	1881.1
117.5°	378.8	407.9	436.9	444.2	591.9	788.8	887.3	1072.5	1442.9	1720.8	1753.0
120°	404.1	431.5	458.7	465.6	600.6	780.8	870.9	1040.1	1378.5	1632.4	1663.8
122.5°	428.8	456.4	484.0	490.9	613.3	776.6	858.2	1010.5	1315.4	1544.0	1574.9
125°	466.7	491.9	517.0	523.3	630.4	773.1	844.5	974.0	1232.8	1427.0	1455.5
127.5°	497.5	522.9	548.3	554.6	647.4	771.1	832.9	944.1	1166.4	1333.2	1357.2
130°	514.0	541.3	568.6	575.4	659.8	772.3	828.6	927.5	1125.5	1273.8	1296.0
132.5°	530.9	558.3	585.6	592.5	669.9	773.1	824.7	913.3	1090.5	1223.3	1243.2
135°	556.2	581.1	606.0	612.2	680.8	772.4	818.1	892.4	1040.7	1152.0	1169.1
137.5°	582.0	606.7	631.4	637.5	697.3	777.2	817.0	879.7	1005.2	1099.3	1113.3
140°	603.4	626.1	648.8	654.5	707.4	777.9	813.1	867.3	975.7	1057.0	1070.1
142.5°	619.9	640.9	661.9	667.2	715.8	780.7	813.1	860.7	955.9	1027.3	1038.6
145°	645.1	663.4	681.7	686.3	726.8	780.7	807.7	846.6	924.5	982.8	991.4
147.5°	670.4	688.2	706.0	710.5	742.9	786.1	807.7	838.4	899.6	945.5	952.6
150°	686.9	702.9	719.1	723.1	751.3	788.9	807.7	833.6	885.2	924.1	929.8
152.5°	703.9	716.1	728.3	731.4	756.8	790.8	807.7	829.8	874.0	907.1	911.4
155°	729.1	738.2	747.3	749.5	768.9	794.8	807.7	825.3	860.4	886.8	889.6
157.5°	747.9	756.7	765.4	767.6	781.0	798.8	807.7	821.4	848.7	869.2	871.2
160°	760.5	767.3	774.2	775.8	786.5	800.6	807.7	819.4	842.8	860.4	861.5
162.5°	773.1	778.2	783.4	784.6	792.4	802.6	807.7	817.6	837.3	852.1	853.2
165°	786.9	791.5	796.1	797.2	800.7	805.4	807.7	814.8	828.9	839.5	840.7
167.5°	799.5	801.6	803.8	804.4	807.3	811.2	813.1	817.8	827.1	834.0	834.5
170°	807.7	809.9	812.1	812.6	812.8	813.1	813.1	817.8	827.1	834.0	834.0
172.5°	812.1	812.5	813.1	813.1	813.1	813.1	813.1	816.8	824.2	829.7	829.2
175°	818.1	818.1	818.1	818.1	816.4	814.2	813.1	815.5	820.2	823.6	823.6
177.5°	818.1	818.1	818.1	818.1	816.9	815.2	814.3	816.2	819.8	822.6	822.0
180°	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0
2.5°	4886.7	4873.2	4886.7	4877.7	4882.2	4868.6	4828.1	4814.6	4828.1	4841.6	4841.6
5°	4945.3	4936.3	4945.3	4945.3	4940.8	4931.8	4886.7	4877.7	4886.7	4891.2	4882.2
7.5°	4963.3	4949.8	4963.3	4954.3	4954.3	4945.3	4900.3	4891.2	4895.7	4909.2	4895.7
10°	4963.3	4949.8	4963.3	4958.9	4954.3	4945.3	4900.3	4882.2	4882.2	4895.7	4882.2
12.5°	4940.8	4931.8	4940.8	4931.8	4931.8	4922.7	4877.7	4859.7	4864.1	4868.6	4850.6
15°	4904.7	4891.2	4904.7	4895.7	4900.3	4886.7	4837.1	4819.1	4819.1	4828.1	4796.5
17.5°	4850.6	4832.6	4850.6	4846.1	4841.6	4832.6	4787.5	4769.4	4765.0	4769.4	4747.0
20°	4787.5	4774.0	4787.5	4783.0	4783.0	4765.0	4719.9	4697.3	4697.3	4697.3	4674.8
22.5°	4688.4	4674.8	4688.4	4697.3	4697.3	4692.8	4652.2	4620.7	4611.7	4611.7	4584.7
25°	4575.6	4562.1	4575.6	4575.6	4571.2	4575.6	4562.1	4544.1	4530.6	4517.1	4490.0
27.5°	4467.4	4458.5	4467.4	4458.5	4467.4	4453.9	4449.4	4444.9	4426.9	4413.4	4377.3
30°	4359.3	4350.2	4359.3	4350.2	4341.3	4332.2	4309.6	4300.7	4318.7	4309.6	4251.0
32.5°	4224.0	4215.0	4224.0	4224.0	4215.0	4215.0	4178.9	4165.4	4170.0	4197.0	4142.9
35°	4084.3	4070.8	4084.3	4079.7	4084.3	4070.8	4048.2	4043.7	4025.7	4057.2	4016.6
37.5°	3921.9	3908.4	3921.9	3921.9	3921.9	3931.0	3913.0	3899.5	3872.4	3913.0	3881.4
40°	3755.2	3737.1	3755.2	3750.6	3755.2	3764.2	3755.2	3746.2	3719.1	3750.6	3723.7
42.5°	3565.9	3561.3	3565.9	3570.4	3570.4	3588.4	3601.9	3583.9	3574.8	3552.4	3570.4
45°	3362.9	3354.0	3362.9	3372.0	3376.5	3385.5	3426.1	3426.1	3412.6	3376.5	3403.5
47.5°	3146.6	3124.1	3146.6	3173.6	3173.6	3187.2	3227.7	3259.3	3236.8	3191.6	3205.2
50°	2916.7	2921.2	2916.7	2934.8	2934.8	2984.3	3015.8	3047.4	3070.0	3015.8	2952.8
52.5°	2691.3	2686.8	2691.3	2704.8	2722.9	2745.3	2799.5	2831.0	2867.1	2835.6	2736.4
55°	2465.9	2474.9	2465.9	2470.4	2479.4	2493.0	2574.0	2605.7	2673.2	2632.7	2529.0
57.5°	2240.5	2226.9	2240.5	2249.5	2254.0	2267.5	2335.2	2393.8	2434.4	2438.8	2312.6
60°	1979.0	1961.0	1979.0	2019.6	2028.6	2037.6	2100.7	2154.8	2190.9	2204.5	2073.7
62.5°	1749.1	1717.6	1749.1	1776.2	1794.2	1816.8	1861.8	1942.9	1974.5	1979.0	1794.2
65°	1505.7	1492.2	1505.7	1559.8	1564.3	1591.3	1640.9	1699.5	1767.1	1758.2	1492.2
67.5°	1284.8	1284.8	1284.8	1320.8	1347.9	1361.4	1424.5	1451.6	1537.2	1546.3	1244.2
70°	1081.9	1077.4	1081.9	1108.9	1127.0	1158.6	1217.2	1248.7	1316.4	1338.8	1009.8
72.5°	888.1	883.6	888.1	910.6	928.7	955.7	1005.3	1041.4	1100.0	1127.0	784.4
75°	716.8	707.7	716.8	734.8	730.3	766.3	806.9	843.0	897.1	915.1	581.6
77.5°	549.9	549.9	549.9	568.1	568.1	604.1	622.1	667.2	698.8	725.8	428.3
80°	410.3	405.7	410.3	414.7	414.7	432.8	464.3	495.9	522.9	522.9	293.0
82.5°	288.5	279.5	288.5	288.5	288.5	297.6	315.6	324.6	342.6	356.2	184.8
85°	180.4	180.4	180.4	184.8	180.4	189.3	193.9	202.8	202.8	193.9	112.7
87.5°	117.2	112.7	117.2	112.7	112.7	108.2	108.2	108.2	103.7	99.2	63.1
90°	20.9	20.9	20.9	20.9	20.9	27.8	37.1	41.7	35.9	24.2	15.4
92.5°	83.6	67.0	83.6	100.2	104.3	147.9	205.9	235.0	206.3	148.9	105.9
95°	291.3	241.0	291.3	341.5	354.1	465.0	612.9	686.9	580.1	366.6	206.5
97.5°	698.0	602.3	698.0	793.7	817.6	887.6	981.2	1027.9	849.8	493.8	226.8
100°	1005.7	891.7	1005.7	1119.6	1148.1	1142.9	1136.1	1132.7	935.2	540.1	243.8
102.5°	1308.3	1210.7	1308.3	1405.9	1430.3	1341.0	1221.9	1162.4	962.1	561.3	260.8
105°	1694.2	1641.7	1694.2	1746.6	1759.7	1559.5	1292.6	1159.1	965.1	577.0	286.0
107.5°	1946.9	1959.6	1946.9	1934.3	1931.1	1651.9	1279.4	1093.2	922.2	580.0	323.4
110°	2043.3	2098.0	2043.3	1988.7	1975.0	1662.8	1246.5	1038.3	884.1	575.6	344.3



TEST NUMBER: P934573

CATALOG NUMBER: SQ4-FA-050U-125D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2052.0	2135.9	2052.0	1968.0	1947.0	1627.4	1201.4	988.3	850.8	575.8	369.5
115°	1997.6	2114.0	1997.6	1881.1	1852.0	1544.1	1133.7	928.5	812.7	581.1	407.4
117.5°	1882.1	2011.2	1882.1	1753.0	1720.8	1442.9	1072.5	887.3	788.8	591.9	444.2
120°	1789.2	1914.6	1789.2	1663.8	1632.4	1378.5	1040.1	870.9	780.8	600.6	465.6
122.5°	1698.7	1822.4	1698.7	1574.9	1544.0	1315.4	1010.5	858.2	776.6	613.3	490.9
125°	1569.5	1683.5	1569.5	1455.5	1427.0	1232.8	974.0	844.5	773.1	630.4	523.3
127.5°	1453.3	1549.5	1453.3	1357.2	1333.2	1166.4	944.1	832.9	771.1	647.4	554.6
130°	1384.9	1473.7	1384.9	1296.0	1273.8	1125.5	927.5	828.6	772.3	659.8	575.4
132.5°	1322.8	1402.3	1322.8	1243.2	1223.3	1090.5	913.3	824.7	773.1	669.9	592.5
135°	1237.7	1306.2	1237.7	1169.1	1152.0	1040.7	892.4	818.1	772.4	680.8	612.2
137.5°	1169.4	1225.5	1169.4	1113.3	1099.3	1005.2	879.7	817.0	777.2	697.3	637.5
140°	1122.5	1175.0	1122.5	1070.1	1057.0	975.7	867.3	813.1	777.9	707.4	654.5
142.5°	1083.8	1128.9	1083.8	1038.6	1027.3	955.9	860.7	813.1	780.7	715.8	667.2
145°	1025.6	1059.7	1025.6	991.4	982.8	924.5	846.6	807.7	780.7	726.8	686.3
147.5°	980.9	1009.2	980.9	952.6	945.5	899.6	838.4	807.7	786.1	742.9	710.5
150°	952.7	975.7	952.7	929.8	924.1	885.2	833.6	807.7	788.9	751.3	723.1
152.5°	928.8	946.1	928.8	911.4	907.1	874.0	829.8	807.7	790.8	756.8	731.4
155°	901.1	912.6	901.1	889.6	886.8	860.4	825.3	807.7	794.8	768.9	749.5
157.5°	879.2	887.3	879.2	871.2	869.2	848.7	821.4	807.7	798.8	781.0	767.6
160°	866.2	870.9	866.2	861.5	860.4	842.8	819.4	807.7	800.6	786.5	775.8
162.5°	857.6	862.1	857.6	853.2	852.1	837.3	817.6	807.7	802.6	792.4	784.6
165°	845.4	850.0	845.4	840.7	839.5	828.9	814.8	807.7	805.4	800.7	797.2
167.5°	836.5	838.4	836.5	834.5	834.0	827.1	817.8	813.1	811.2	807.3	804.4
170°	834.0	834.0	834.0	834.0	834.0	827.1	817.8	813.1	813.1	812.8	812.6
172.5°	827.5	825.8	827.5	829.2	829.7	824.2	816.8	813.1	813.1	813.1	813.1
175°	823.6	823.6	823.6	823.6	823.6	820.2	815.5	813.1	814.2	816.4	818.1
177.5°	820.1	818.1	820.1	822.0	822.6	819.8	816.2	814.3	815.2	816.9	818.1
180°	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1



TEST NUMBER: P934573
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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0
2.5°	4832.6	4805.6	4805.6	4760.5	4742.5	4729.0	4706.4	4638.7	4620.7	4602.7	4629.8
5°	4873.2	4823.6	4787.5	4706.4	4638.7	4611.7	4526.0	4363.7	4255.6	4174.4	4129.4
7.5°	4882.2	4819.1	4751.4	4625.2	4462.9	4390.8	4129.4	3831.8	3750.6	3678.5	3633.4
10°	4873.2	4801.1	4706.4	4517.1	4133.8	4007.6	3746.2	3552.4	3502.7	3489.2	3502.7
12.5°	4841.6	4774.0	4643.3	4327.7	3791.2	3705.6	3552.4	3439.6	3430.6	3453.2	3574.8
15°	4787.5	4724.4	4571.2	4075.2	3601.9	3538.8	3430.6	3390.0	3439.6	3597.4	3962.5
17.5°	4733.4	4661.3	4472.0	3827.3	3457.7	3412.6	3335.9	3417.1	3696.6	3908.4	4030.2
20°	4661.3	4575.6	4359.3	3647.0	3354.0	3313.4	3277.3	3642.5	3854.4	3931.0	3998.6
22.5°	4575.6	4485.5	4206.0	3520.7	3245.8	3214.2	3236.8	3768.7	3854.4	3908.4	3967.1
25°	4462.9	4386.3	4025.7	3421.6	3160.1	3124.1	3209.7	3755.2	3804.7	3818.3	3935.5
27.5°	4359.3	4260.1	3836.3	3331.4	3056.4	3042.9	3232.2	3696.6	3732.6	3746.2	3872.4
30°	4233.0	4084.3	3624.5	3236.8	2948.2	2943.7	3236.8	3624.5	3615.4	3651.5	3777.7
32.5°	4102.3	3822.8	3385.5	3119.5	2844.5	2840.1	3205.2	3516.2	3507.2	3556.8	3651.5
35°	3980.5	3619.9	3060.9	2984.3	2713.8	2718.3	3128.6	3390.0	3394.6	3439.6	3498.2
37.5°	3854.4	3444.1	2704.8	2835.6	2587.6	2587.6	3024.9	3272.8	3263.8	3277.3	3358.5
40°	3705.6	3169.1	2389.3	2641.7	2470.4	2456.8	2898.7	3146.6	3115.0	3110.6	3223.3
42.5°	3547.8	2867.1	2154.8	2384.7	2335.2	2317.1	2745.3	2993.4	2934.8	2948.2	3092.5
45°	3376.5	2785.9	1974.5	2015.0	2195.4	2181.9	2578.6	2817.5	2777.0	2813.0	2961.7
47.5°	3205.2	2623.7	1915.9	1672.5	2046.7	2042.1	2393.8	2646.2	2623.7	2659.7	2817.5
50°	2970.8	2443.3	1911.4	1433.6	1879.8	1897.8	2172.8	2479.4	2479.4	2511.0	2677.8
52.5°	2668.7	2222.5	1735.6	1298.3	1686.0	1740.1	1979.0	2335.2	2344.1	2375.8	2524.5
55°	2393.8	1992.6	1609.3	1194.6	1456.1	1573.3	1789.7	2186.3	2204.5	2236.0	2371.2
57.5°	2141.3	1659.0	1582.3	1072.9	1244.2	1357.0	1622.9	2042.1	2051.2	2078.2	2208.9
60°	1870.8	1199.2	1451.6	942.2	1059.4	1145.1	1469.6	1870.8	1902.4	1920.4	2033.1
62.5°	1564.3	870.1	1316.4	852.0	969.3	987.3	1343.4	1708.5	1749.1	1762.6	1830.3
65°	1113.5	730.3	1118.0	775.4	874.6	879.0	1208.1	1541.7	1577.8	1600.4	1649.9
67.5°	752.8	595.0	852.0	703.2	802.4	806.9	1077.4	1347.9	1397.4	1415.6	1447.1
70°	522.9	396.7	631.1	626.6	721.3	730.3	937.6	1172.1	1217.2	1230.7	1248.7
72.5°	383.2	320.0	522.9	563.5	635.6	644.7	793.4	973.7	1018.8	1032.3	1041.4
75°	293.0	338.1	423.8	491.3	541.0	545.5	649.1	793.4	825.0	834.0	838.4
77.5°	234.4	315.6	311.1	396.7	441.8	432.8	509.4	613.1	640.2	640.2	640.2
80°	175.8	247.9	234.4	284.0	324.6	315.6	365.1	437.3	446.3	455.3	450.8
82.5°	130.7	157.8	157.8	180.4	216.4	207.3	243.4	284.0	284.0	284.0	293.0
85°	81.2	90.1	72.1	94.7	121.7	117.2	135.2	153.3	157.8	157.8	148.7
87.5°	49.6	40.6	22.6	36.1	54.1	54.1	63.1	67.6	63.1	63.1	63.1
90°	14.3	9.9	5.5	9.9	14.3	15.4	24.2	35.9	41.7	37.1	27.8
92.5°	96.6	59.2	21.9	59.2	96.6	105.9	148.9	206.3	235.0	205.9	147.9
95°	189.4	121.0	52.7	121.0	189.4	206.5	366.6	580.1	686.9	612.9	465.0
97.5°	211.7	151.4	91.1	151.4	211.7	226.8	493.8	849.8	1027.9	981.2	887.6
100°	230.1	175.5	120.8	175.5	230.1	243.8	540.1	935.2	1132.7	1136.1	1142.9
102.5°	248.0	197.0	146.1	197.0	248.0	260.8	561.3	962.1	1162.4	1221.9	1341.0
105°	275.2	232.0	188.9	232.0	275.2	286.0	577.0	965.1	1159.1	1292.6	1559.5
107.5°	313.4	273.1	232.8	273.1	313.4	323.4	580.0	922.2	1093.2	1279.4	1651.9
110°	335.2	298.8	262.5	298.8	335.2	344.3	575.6	884.1	1038.3	1246.5	1662.8



TEST NUMBER: P934573

CATALOG NUMBER: SQ4-FA-050U-125D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	360.8	326.2	291.5	326.2	360.8	369.5	575.8	850.8	988.3	1201.4	1627.4
115°	399.4	367.5	335.5	367.5	399.4	407.4	581.1	812.7	928.5	1133.7	1544.1
117.5°	436.9	407.9	378.8	407.9	436.9	444.2	591.9	788.8	887.3	1072.5	1442.9
120°	458.7	431.5	404.1	431.5	458.7	465.6	600.6	780.8	870.9	1040.1	1378.5
122.5°	484.0	456.4	428.8	456.4	484.0	490.9	613.3	776.6	858.2	1010.5	1315.4
125°	517.0	491.9	466.7	491.9	517.0	523.3	630.4	773.1	844.5	974.0	1232.8
127.5°	548.3	522.9	497.5	522.9	548.3	554.6	647.4	771.1	832.9	944.1	1166.4
130°	568.6	541.3	514.0	541.3	568.6	575.4	659.8	772.3	828.6	927.5	1125.5
132.5°	585.6	558.3	530.9	558.3	585.6	592.5	669.9	773.1	824.7	913.3	1090.5
135°	606.0	581.1	556.2	581.1	606.0	612.2	680.8	772.4	818.1	892.4	1040.7
137.5°	631.4	606.7	582.0	606.7	631.4	637.5	697.3	777.2	817.0	879.7	1005.2
140°	648.8	626.1	603.4	626.1	648.8	654.5	707.4	777.9	813.1	867.3	975.7
142.5°	661.9	640.9	619.9	640.9	661.9	667.2	715.8	780.7	813.1	860.7	955.9
145°	681.7	663.4	645.1	663.4	681.7	686.3	726.8	780.7	807.7	846.6	924.5
147.5°	706.0	688.2	670.4	688.2	706.0	710.5	742.9	786.1	807.7	838.4	899.6
150°	719.1	702.9	686.9	702.9	719.1	723.1	751.3	788.9	807.7	833.6	885.2
152.5°	728.3	716.1	703.9	716.1	728.3	731.4	756.8	790.8	807.7	829.8	874.0
155°	747.3	738.2	729.1	738.2	747.3	749.5	768.9	794.8	807.7	825.3	860.4
157.5°	765.4	756.7	747.9	756.7	765.4	767.6	781.0	798.8	807.7	821.4	848.7
160°	774.2	767.3	760.5	767.3	774.2	775.8	786.5	800.6	807.7	819.4	842.8
162.5°	783.4	778.2	773.1	778.2	783.4	784.6	792.4	802.6	807.7	817.6	837.3
165°	796.1	791.5	786.9	791.5	796.1	797.2	800.7	805.4	807.7	814.8	828.9
167.5°	803.8	801.6	799.5	801.6	803.8	804.4	807.3	811.2	813.1	817.8	827.1
170°	812.1	809.9	807.7	809.9	812.1	812.6	812.8	813.1	813.1	817.8	827.1
172.5°	813.1	812.5	812.1	812.5	813.1	813.1	813.1	813.1	813.1	816.8	824.2
175°	818.1	818.1	818.1	818.1	818.1	818.1	816.4	814.2	813.1	815.5	820.2
177.5°	818.1	818.1	818.1	818.1	818.1	818.1	816.9	815.2	814.3	816.2	819.8
180°	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1



TEST NUMBER: P934573
 CATALOG NUMBER: SQ4-FA-050U-125D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0
2.5°	4598.2	4584.7	4602.7	4553.1	4602.7	4584.7	4598.2	4629.8	4602.7	4620.7	4638.7
5°	4034.7	4012.2	3940.0	3881.4	3940.0	4012.2	4034.7	4129.4	4174.4	4255.6	4363.7
7.5°	3606.4	3588.4	3570.4	3534.3	3570.4	3588.4	3606.4	3633.4	3678.5	3750.6	3831.8
10°	3511.8	3516.2	3543.3	3538.8	3543.3	3516.2	3511.8	3502.7	3489.2	3502.7	3552.4
12.5°	3755.2	3795.8	3944.5	3935.5	3944.5	3795.8	3755.2	3574.8	3453.2	3430.6	3439.6
15°	4034.7	4048.2	4079.7	4084.3	4079.7	4048.2	4034.7	3962.5	3597.4	3439.6	3390.0
17.5°	4061.7	4066.2	4088.8	4088.8	4088.8	4066.2	4061.7	4030.2	3908.4	3696.6	3417.1
20°	4039.2	4048.2	4093.3	4102.3	4093.3	4048.2	4039.2	3998.6	3931.0	3854.4	3642.5
22.5°	4030.2	4048.2	4084.3	4079.7	4084.3	4048.2	4030.2	3967.1	3908.4	3854.4	3768.7
25°	3985.1	3985.1	3989.6	3994.1	3989.6	3985.1	3985.1	3935.5	3818.3	3804.7	3755.2
27.5°	3890.4	3899.5	3926.5	3921.9	3926.5	3899.5	3890.4	3872.4	3746.2	3732.6	3696.6
30°	3804.7	3795.8	3773.2	3755.2	3773.2	3795.8	3804.7	3777.7	3651.5	3615.4	3624.5
32.5°	3660.5	3638.0	3615.4	3601.9	3615.4	3638.0	3660.5	3651.5	3556.8	3507.2	3516.2
35°	3489.2	3493.7	3489.2	3475.7	3489.2	3493.7	3489.2	3498.2	3439.6	3394.6	3390.0
37.5°	3367.5	3376.5	3372.0	3354.0	3372.0	3376.5	3367.5	3358.5	3277.3	3263.8	3272.8
40°	3241.3	3245.8	3241.3	3227.7	3241.3	3245.8	3241.3	3223.3	3110.6	3115.0	3146.6
42.5°	3119.5	3115.0	3101.5	3092.5	3101.5	3115.0	3119.5	3092.5	2948.2	2934.8	2993.4
45°	2979.8	2984.3	2957.2	2943.7	2957.2	2984.3	2979.8	2961.7	2813.0	2777.0	2817.5
47.5°	2840.1	2840.1	2817.5	2803.9	2817.5	2840.1	2840.1	2817.5	2659.7	2623.7	2646.2
50°	2691.3	2686.8	2655.2	2650.7	2655.2	2686.8	2691.3	2677.8	2511.0	2479.4	2479.4
52.5°	2520.0	2520.0	2524.5	2533.5	2524.5	2520.0	2520.0	2524.5	2375.8	2344.1	2335.2
55°	2371.2	2375.8	2407.3	2416.3	2407.3	2375.8	2371.2	2371.2	2236.0	2204.5	2186.3
57.5°	2218.0	2218.0	2240.5	2240.5	2240.5	2218.0	2218.0	2208.9	2078.2	2051.2	2042.1
60°	2042.1	2051.2	2069.2	2064.7	2069.2	2051.2	2042.1	2033.1	1920.4	1902.4	1870.8
62.5°	1857.3	1866.3	1870.8	1861.8	1870.8	1866.3	1857.3	1830.3	1762.6	1749.1	1708.5
65°	1663.5	1672.5	1677.0	1667.9	1677.0	1672.5	1663.5	1649.9	1600.4	1577.8	1541.7
67.5°	1465.1	1460.6	1456.1	1474.1	1456.1	1460.6	1465.1	1447.1	1415.6	1397.4	1347.9
70°	1262.2	1262.2	1257.8	1266.7	1257.8	1262.2	1262.2	1248.7	1230.7	1217.2	1172.1
72.5°	1045.9	1041.4	1059.4	1045.9	1059.4	1041.4	1045.9	1041.4	1032.3	1018.8	973.7
75°	834.0	843.0	834.0	847.5	834.0	843.0	834.0	838.4	834.0	825.0	793.4
77.5°	635.6	644.7	635.6	635.6	635.6	644.7	635.6	640.2	640.2	640.2	613.1
80°	450.8	446.3	446.3	441.8	446.3	446.3	450.8	450.8	455.3	446.3	437.3
82.5°	288.5	284.0	284.0	293.0	284.0	284.0	288.5	293.0	284.0	284.0	284.0
85°	157.8	162.3	153.3	153.3	153.3	162.3	157.8	148.7	157.8	157.8	153.3
87.5°	58.6	54.1	54.1	54.1	54.1	54.1	58.6	63.1	63.1	63.1	67.6
90°	20.9	20.9	20.9	20.9	20.9	20.9	20.9	27.8	37.1	41.7	35.9
92.5°	104.3	100.2	83.6	67.0	83.6	100.2	104.3	147.9	205.9	235.0	206.3
95°	354.1	341.5	291.3	241.0	291.3	341.5	354.1	465.0	612.9	686.9	580.1
97.5°	817.6	793.7	698.0	602.3	698.0	793.7	817.6	887.6	981.2	1027.9	849.8
100°	1148.1	1119.6	1005.7	891.7	1005.7	1119.6	1148.1	1142.9	1136.1	1132.7	935.2
102.5°	1430.3	1405.9	1308.3	1210.7	1308.3	1405.9	1430.3	1341.0	1221.9	1162.4	962.1
105°	1759.7	1746.6	1694.2	1641.7	1694.2	1746.6	1759.7	1559.5	1292.6	1159.1	965.1
107.5°	1931.1	1934.3	1946.9	1959.6	1946.9	1934.3	1931.1	1651.9	1279.4	1093.2	922.2
110°	1975.0	1988.7	2043.3	2098.0	2043.3	1988.7	1975.0	1662.8	1246.5	1038.3	884.1



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1947.0	1968.0	2052.0	2135.9	2052.0	1968.0	1947.0	1627.4	1201.4	988.3	850.8
115°	1852.0	1881.1	1997.6	2114.0	1997.6	1881.1	1852.0	1544.1	1133.7	928.5	812.7
117.5°	1720.8	1753.0	1882.1	2011.2	1882.1	1753.0	1720.8	1442.9	1072.5	887.3	788.8
120°	1632.4	1663.8	1789.2	1914.6	1789.2	1663.8	1632.4	1378.5	1040.1	870.9	780.8
122.5°	1544.0	1574.9	1698.7	1822.4	1698.7	1574.9	1544.0	1315.4	1010.5	858.2	776.6
125°	1427.0	1455.5	1569.5	1683.5	1569.5	1455.5	1427.0	1232.8	974.0	844.5	773.1
127.5°	1333.2	1357.2	1453.3	1549.5	1453.3	1357.2	1333.2	1166.4	944.1	832.9	771.1
130°	1273.8	1296.0	1384.9	1473.7	1384.9	1296.0	1273.8	1125.5	927.5	828.6	772.3
132.5°	1223.3	1243.2	1322.8	1402.3	1322.8	1243.2	1223.3	1090.5	913.3	824.7	773.1
135°	1152.0	1169.1	1237.7	1306.2	1237.7	1169.1	1152.0	1040.7	892.4	818.1	772.4
137.5°	1099.3	1113.3	1169.4	1225.5	1169.4	1113.3	1099.3	1005.2	879.7	817.0	777.2
140°	1057.0	1070.1	1122.5	1175.0	1122.5	1070.1	1057.0	975.7	867.3	813.1	777.9
142.5°	1027.3	1038.6	1083.8	1128.9	1083.8	1038.6	1027.3	955.9	860.7	813.1	780.7
145°	982.8	991.4	1025.6	1059.7	1025.6	991.4	982.8	924.5	846.6	807.7	780.7
147.5°	945.5	952.6	980.9	1009.2	980.9	952.6	945.5	899.6	838.4	807.7	786.1
150°	924.1	929.8	952.7	975.7	952.7	929.8	924.1	885.2	833.6	807.7	788.9
152.5°	907.1	911.4	928.8	946.1	928.8	911.4	907.1	874.0	829.8	807.7	790.8
155°	886.8	889.6	901.1	912.6	901.1	889.6	886.8	860.4	825.3	807.7	794.8
157.5°	869.2	871.2	879.2	887.3	879.2	871.2	869.2	848.7	821.4	807.7	798.8
160°	860.4	861.5	866.2	870.9	866.2	861.5	860.4	842.8	819.4	807.7	800.6
162.5°	852.1	853.2	857.6	862.1	857.6	853.2	852.1	837.3	817.6	807.7	802.6
165°	839.5	840.7	845.4	850.0	845.4	840.7	839.5	828.9	814.8	807.7	805.4
167.5°	834.0	834.5	836.5	838.4	836.5	834.5	834.0	827.1	817.8	813.1	811.2
170°	834.0	834.0	834.0	834.0	834.0	834.0	834.0	827.1	817.8	813.1	813.1
172.5°	829.7	829.2	827.5	825.8	827.5	829.2	829.7	824.2	816.8	813.1	813.1
175°	823.6	823.6	823.6	823.6	823.6	823.6	823.6	820.2	815.5	813.1	814.2
177.5°	822.6	822.0	820.1	818.1	820.1	822.0	822.6	819.8	816.2	814.3	815.2
180°	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4765.0	4765.0	4765.0	4765.0	4765.0
2.5°	4706.4	4729.0	4742.5	4760.5	4805.6
5°	4526.0	4611.7	4638.7	4706.4	4787.5
7.5°	4129.4	4390.8	4462.9	4625.2	4751.4
10°	3746.2	4007.6	4133.8	4517.1	4706.4
12.5°	3552.4	3705.6	3791.2	4327.7	4643.3
15°	3430.6	3538.8	3601.9	4075.2	4571.2
17.5°	3335.9	3412.6	3457.7	3827.3	4472.0
20°	3277.3	3313.4	3354.0	3647.0	4359.3
22.5°	3236.8	3214.2	3245.8	3520.7	4206.0
25°	3209.7	3124.1	3160.1	3421.6	4025.7
27.5°	3232.2	3042.9	3056.4	3331.4	3836.3
30°	3236.8	2943.7	2948.2	3236.8	3624.5
32.5°	3205.2	2840.1	2844.5	3119.5	3385.5
35°	3128.6	2718.3	2713.8	2984.3	3060.9
37.5°	3024.9	2587.6	2587.6	2835.6	2704.8
40°	2898.7	2456.8	2470.4	2641.7	2389.3
42.5°	2745.3	2317.1	2335.2	2384.7	2154.8
45°	2578.6	2181.9	2195.4	2015.0	1974.5
47.5°	2393.8	2042.1	2046.7	1672.5	1915.9
50°	2172.8	1897.8	1879.8	1433.6	1911.4
52.5°	1979.0	1740.1	1686.0	1298.3	1735.6
55°	1789.7	1573.3	1456.1	1194.6	1609.3
57.5°	1622.9	1357.0	1244.2	1072.9	1582.3
60°	1469.6	1145.1	1059.4	942.2	1451.6
62.5°	1343.4	987.3	969.3	852.0	1316.4
65°	1208.1	879.0	874.6	775.4	1118.0
67.5°	1077.4	806.9	802.4	703.2	852.0
70°	937.6	730.3	721.3	626.6	631.1
72.5°	793.4	644.7	635.6	563.5	522.9
75°	649.1	545.5	541.0	491.3	423.8
77.5°	509.4	432.8	441.8	396.7	311.1
80°	365.1	315.6	324.6	284.0	234.4
82.5°	243.4	207.3	216.4	180.4	157.8
85°	135.2	117.2	121.7	94.7	72.1
87.5°	63.1	54.1	54.1	36.1	22.6
90°	24.2	15.4	14.3	9.9	5.5
92.5°	148.9	105.9	96.6	59.2	21.9
95°	366.6	206.5	189.4	121.0	52.7
97.5°	493.8	226.8	211.7	151.4	91.1
100°	540.1	243.8	230.1	175.5	120.8
102.5°	561.3	260.8	248.0	197.0	146.1
105°	577.0	286.0	275.2	232.0	188.9
107.5°	580.0	323.4	313.4	273.1	232.8
110°	575.6	344.3	335.2	298.8	262.5



TEST NUMBER: P934573

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	575.8	369.5	360.8	326.2	291.5
115°	581.1	407.4	399.4	367.5	335.5
117.5°	591.9	444.2	436.9	407.9	378.8
120°	600.6	465.6	458.7	431.5	404.1
122.5°	613.3	490.9	484.0	456.4	428.8
125°	630.4	523.3	517.0	491.9	466.7
127.5°	647.4	554.6	548.3	522.9	497.5
130°	659.8	575.4	568.6	541.3	514.0
132.5°	669.9	592.5	585.6	558.3	530.9
135°	680.8	612.2	606.0	581.1	556.2
137.5°	697.3	637.5	631.4	606.7	582.0
140°	707.4	654.5	648.8	626.1	603.4
142.5°	715.8	667.2	661.9	640.9	619.9
145°	726.8	686.3	681.7	663.4	645.1
147.5°	742.9	710.5	706.0	688.2	670.4
150°	751.3	723.1	719.1	702.9	686.9
152.5°	756.8	731.4	728.3	716.1	703.9
155°	768.9	749.5	747.3	738.2	729.1
157.5°	781.0	767.6	765.4	756.7	747.9
160°	786.5	775.8	774.2	767.3	760.5
162.5°	792.4	784.6	783.4	778.2	773.1
165°	800.7	797.2	796.1	791.5	786.9
167.5°	807.3	804.4	803.8	801.6	799.5
170°	812.8	812.6	812.1	809.9	807.7
172.5°	813.1	813.1	813.1	812.5	812.1
175°	816.4	818.1	818.1	818.1	818.1
177.5°	816.9	818.1	818.1	818.1	818.1
180°	818.1	818.1	818.1	818.1	818.1



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	15.83	16.90	16.59	17.69	18.64	18.68	19.75	19.44	20.54	21.49
	3H	16.32	17.28	17.10	18.08	19.07	20.05	21.01	20.82	21.81	22.79
	4H	16.52	17.43	17.32	18.24	19.23	20.50	21.41	21.30	22.22	23.22
	6H	16.65	17.49	17.46	18.30	19.31	20.81	21.65	21.61	22.46	23.47
	8H	16.66	17.46	17.48	18.29	19.30	20.89	21.69	21.71	22.52	23.53
	12H	16.64	17.40	17.46	18.22	19.26	20.94	21.70	21.76	22.53	23.56
4H	2H	16.89	17.80	17.69	18.61	19.60	19.11	20.02	19.91	20.83	21.82
	3H	17.94	18.70	18.75	19.54	20.55	20.64	21.40	21.46	22.24	23.25
	4H	18.22	18.91	19.05	19.75	20.79	21.19	21.88	22.01	22.71	23.75
	6H	18.36	18.96	19.20	19.82	20.86	21.57	22.17	22.41	23.03	24.07
	8H	18.37	18.93	19.22	19.78	20.84	21.68	22.24	22.53	23.10	24.16
	12H	18.35	18.85	19.21	19.73	20.79	21.75	22.26	22.62	23.13	24.20
8H	4H	18.70	19.25	19.54	20.11	21.17	21.33	21.88	22.17	22.74	23.80
	6H	18.97	19.43	19.84	20.33	21.39	21.78	22.24	22.65	23.14	24.20
	8H	19.01	19.42	19.90	20.31	21.39	21.93	22.34	22.82	23.24	24.31
	12H	19.00	19.37	19.89	20.25	21.38	22.05	22.41	22.93	23.29	24.42
12H	4H	18.71	19.21	19.58	20.09	21.16	21.30	21.80	22.17	22.68	23.74
	6H	19.03	19.44	19.91	20.33	21.41	21.78	22.19	22.66	23.08	24.16
	8H	19.11	19.47	19.99	20.35	21.48	21.95	22.31	22.84	23.20	24.33