

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: P934549

Luminaire Tested: SQ4-FA-050U-125D-930-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934549
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-930-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

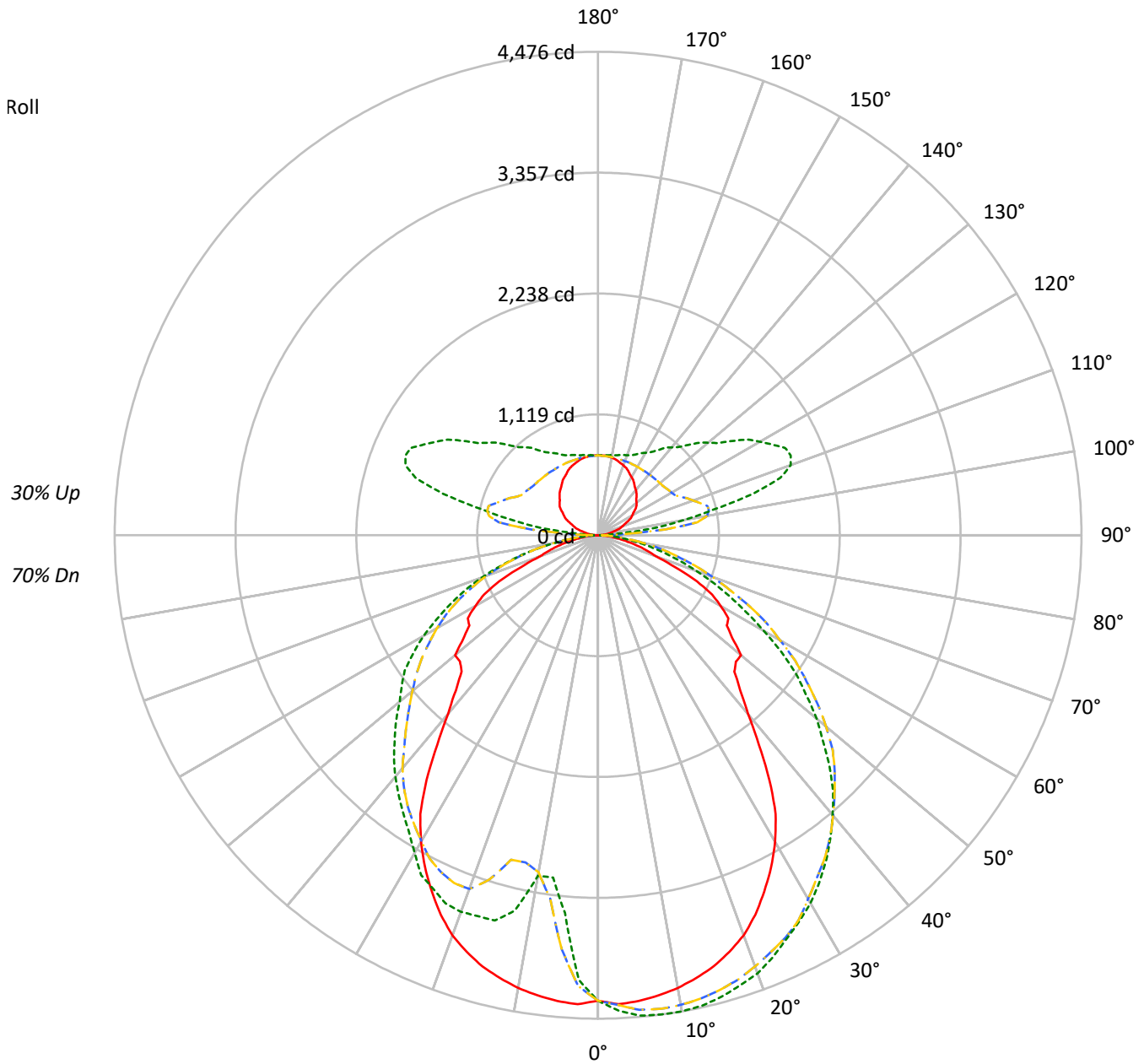
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15970.8 lumens
Efficiency: N/A
Efficacy: 95.1 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				
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°	13328	13328	13328	13328
5°	13432	13454	13432	10579
10°	13347	13252	13347	9474
15°	13207	12965	13207	10826
20°	12936	12625	12936	10849
25°	12376	12129	12376	10619
30°	11650	11717	11650	10114
35°	10391	11196	10391	9560
40°	8663	10583	8663	9140
45°	7746	9865	7746	8658
50°	8236	9009	8236	8175
55°	7756	8086	7756	7895
60°	8005	6868	8005	7231
65°	7269	5678	7269	6346
70°	5046	4525	5046	5320
75°	4441	3344	4441	4005
80°	3606	2211	3606	2408
85°	2113	1171	2113	995

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11864 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.0	2.4
10°-20°	1104.3	6.9
20°-30°	1707.1	10.7
30°-40°	2037.9	12.8
40°-50°	2049.9	12.8
50°-60°	1783.6	11.2
60°-70°	1264.7	7.9
70°-80°	669.1	4.2
80°-90°	169.5	1.1
90°-100°	360.6	2.3
100°-110°	948.1	5.9
110°-120°	983.1	6.2
120°-130°	788.5	4.9
130°-140°	618.7	3.9
140°-150°	474.9	3.0
150°-160°	342.0	2.1
160°-170°	209.3	1.3
170°-180°	70.7	0.4
0°-30°	3200.4	20.0
0°-40°	5238.3	32.8
0°-60°	9071.8	56.8
0°-90°	11175.0	70.0
90°-120°	2291.7	14.3
90°-150°	4173.9	26.1
90°-180°	4796.0	30.0
0°-180°	15970.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4309	4309	4309	4309	4309	
5°	4329	4464	4329	3510	4329	411
15°	4134	4423	4134	3693	4134	1163
25°	3640	4125	3640	3612	3640	1671
35°	2768	3681	2768	3143	2768	1712
45°	1786	3033	1786	2662	1786	1430
55°	1455	2238	1455	2185	1455	1337
65°	1011	1349	1011	1508	1011	966
75°	383	640	383	766	383	403
85°	65	163	65	139	65	88
90°	5	19	5	19	5	7
95°	48	218	48	218	48	53
105°	171	1485	171	1485	171	181
115°	303	1912	303	1912	303	300
125°	422	1522	422	1522	422	375
135°	503	1181	503	1181	503	389
145°	583	958	583	958	583	365
155°	659	825	659	825	659	303
165°	712	769	712	769	712	201
175°	740	745	740	745	740	70
180°	740	740	740	740	740	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9
2.5°	4345.6	4345.6	4370.0	4378.2	4378.2	4365.9	4353.7	4365.9	4402.6	4414.9	4410.8
5°	4329.2	4361.9	4406.7	4414.9	4423.0	4418.9	4410.8	4418.9	4459.7	4467.9	4471.9
7.5°	4296.6	4357.8	4414.9	4427.1	4439.3	4427.1	4423.0	4431.2	4471.9	4480.1	4480.1
10°	4255.9	4341.5	4406.7	4414.9	4427.1	4414.9	4414.9	4431.2	4471.9	4480.1	4484.2
12.5°	4198.8	4317.0	4378.2	4386.3	4402.6	4398.5	4394.5	4410.8	4451.5	4459.7	4459.7
15°	4133.6	4272.2	4329.2	4337.4	4365.9	4357.8	4357.8	4374.1	4418.9	4431.2	4427.1
17.5°	4043.9	4215.1	4280.3	4292.6	4312.9	4308.9	4312.9	4329.2	4370.0	4378.2	4382.2
20°	3942.0	4137.6	4215.1	4227.3	4247.7	4247.7	4247.7	4268.1	4308.9	4325.2	4325.2
22.5°	3803.4	4056.1	4137.6	4145.8	4170.3	4170.3	4178.4	4206.9	4243.6	4247.7	4247.7
25°	3640.3	3966.4	4035.7	4060.2	4084.7	4096.9	4109.1	4125.4	4137.6	4133.6	4137.6
27.5°	3469.1	3852.3	3942.0	3958.3	3990.9	4003.1	4019.4	4023.5	4027.6	4039.8	4031.7
30°	3277.5	3693.3	3827.8	3844.1	3897.1	3905.3	3889.0	3897.1	3917.5	3925.7	3933.8
32.5°	3061.4	3456.9	3709.6	3746.3	3795.2	3770.8	3766.7	3778.9	3811.5	3811.5	3819.7
35°	2767.9	3273.4	3599.5	3632.1	3668.8	3640.3	3656.6	3660.7	3681.1	3693.3	3689.2
37.5°	2445.9	3114.4	3485.4	3509.9	3538.4	3501.7	3526.2	3538.4	3554.7	3546.5	3546.5
40°	2160.6	2865.7	3350.9	3367.2	3391.6	3363.1	3387.6	3395.7	3403.9	3395.7	3391.6
42.5°	1948.6	2592.6	3208.2	3228.6	3212.3	3232.6	3240.8	3257.1	3244.9	3228.6	3228.6
45°	1785.5	2519.3	3053.3	3077.7	3053.3	3085.9	3098.1	3098.1	3061.4	3053.3	3049.2
47.5°	1732.6	2372.5	2898.4	2898.4	2886.1	2926.9	2947.3	2918.7	2882.1	2869.8	2869.8
50°	1728.5	2209.5	2686.4	2670.1	2727.1	2776.1	2755.7	2727.1	2698.6	2653.8	2653.8
52.5°	1569.5	2009.7	2413.3	2474.4	2564.1	2592.6	2560.0	2531.5	2482.6	2462.2	2445.9
55°	1455.3	1801.9	2164.6	2286.9	2380.7	2417.4	2356.2	2327.7	2254.3	2242.1	2233.9
57.5°	1430.9	1500.2	1936.4	2091.3	2205.4	2201.3	2164.6	2111.6	2050.5	2038.3	2034.2
60°	1312.7	1084.4	1691.8	1875.2	1993.4	1981.2	1948.6	1899.7	1842.6	1834.5	1826.3
62.5°	1190.4	786.8	1414.6	1622.5	1789.6	1785.5	1757.0	1683.6	1642.9	1622.5	1606.2
65°	1011.0	660.4	1006.9	1349.4	1589.9	1598.0	1536.9	1483.9	1439.0	1414.6	1410.5
67.5°	770.5	538.1	680.8	1125.1	1398.3	1390.1	1312.7	1288.2	1231.1	1218.9	1194.4
70°	570.7	358.7	472.9	913.2	1210.7	1190.4	1129.2	1100.7	1047.7	1019.1	1002.8
72.5°	472.9	289.4	346.5	709.3	1019.1	994.7	941.7	909.1	864.2	839.8	823.5
75°	383.2	305.7	265.0	525.9	827.5	811.2	762.3	729.7	693.0	660.4	664.5
77.5°	281.3	285.4	212.0	387.3	656.3	631.9	603.3	562.6	546.3	513.7	513.7
80°	212.0	224.2	159.0	265.0	472.9	472.9	448.4	419.9	391.4	375.0	375.0
82.5°	142.7	142.7	118.2	167.1	322.1	309.8	293.5	285.4	269.1	260.9	260.9
85°	65.2	81.5	73.4	101.9	175.3	183.4	183.4	175.3	171.2	163.1	167.1
87.5°	20.4	36.7	44.8	57.1	89.7	93.8	97.8	97.8	97.8	101.9	101.9
90°	5.0	8.9	12.9	13.9	21.8	32.4	37.7	33.6	25.1	18.9	18.9
92.5°	19.8	53.6	87.4	95.8	134.7	186.5	212.5	186.2	133.7	94.4	90.6
95°	47.7	109.4	171.3	186.7	331.5	524.6	621.1	554.2	420.5	320.2	308.8
97.5°	82.4	136.9	191.4	205.1	446.5	768.5	929.5	887.2	802.7	739.3	717.7
100°	109.2	158.7	208.1	220.4	488.4	845.6	1024.3	1027.4	1033.5	1038.2	1012.4
102.5°	132.1	178.2	224.3	235.8	507.6	870.0	1051.1	1104.9	1212.6	1293.4	1271.3
105°	170.8	209.8	248.8	258.6	521.8	872.7	1048.2	1168.8	1410.2	1591.3	1579.4
107.5°	210.5	246.9	283.4	292.5	524.5	833.9	988.6	1157.0	1493.7	1746.3	1749.2
110°	237.4	270.2	303.1	311.3	520.5	799.5	938.9	1127.2	1503.6	1786.0	1798.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	263.6	294.9	326.3	334.1	520.7	769.4	893.7	1086.4	1471.7	1760.7	1779.6
115°	303.4	332.3	361.2	368.4	525.5	734.9	839.6	1025.2	1396.3	1674.7	1701.1
117.5°	342.6	368.8	395.1	401.7	535.2	713.3	802.4	969.9	1304.8	1556.1	1585.2
120°	365.4	390.2	414.8	421.0	543.1	706.1	787.5	940.6	1246.6	1476.2	1504.5
122.5°	387.8	412.7	437.6	443.9	554.6	702.2	776.0	913.8	1189.5	1396.2	1424.1
125°	422.1	444.8	467.5	473.2	570.0	699.1	763.7	880.7	1114.8	1290.4	1316.2
127.5°	449.8	472.8	495.8	501.5	585.4	697.2	753.2	853.7	1054.7	1205.5	1227.3
130°	464.8	489.5	514.2	520.3	596.6	698.4	749.3	838.7	1017.7	1151.9	1172.0
132.5°	480.1	504.8	529.6	535.8	605.8	699.1	745.7	825.9	986.1	1106.2	1124.2
135°	503.0	525.5	548.0	553.6	615.7	698.4	739.8	806.9	941.1	1041.7	1057.2
137.5°	526.3	548.6	570.9	576.5	630.6	702.8	738.8	795.5	909.0	994.0	1006.7
140°	545.6	566.2	586.7	591.8	639.7	703.4	735.3	784.3	882.3	955.8	967.7
142.5°	560.6	579.5	598.6	603.3	647.3	706.0	735.3	778.3	864.4	929.0	939.2
145°	583.4	599.9	616.5	620.6	657.3	706.0	730.4	765.6	836.0	888.8	896.5
147.5°	606.3	622.3	638.5	642.5	671.8	710.9	730.4	758.1	813.5	855.0	861.5
150°	621.1	635.7	650.3	653.9	679.4	713.4	730.4	753.8	800.5	835.6	840.8
152.5°	636.5	647.5	658.6	661.4	684.4	715.1	730.4	750.4	790.3	820.3	824.2
155°	659.3	667.5	675.7	677.7	695.3	718.7	730.4	746.3	778.0	801.9	804.4
157.5°	676.3	684.2	692.1	694.1	706.2	722.4	730.4	742.8	767.4	786.0	787.8
160°	687.7	693.9	700.1	701.6	711.2	724.0	730.4	741.0	762.1	778.0	779.1
162.5°	699.1	703.7	708.4	709.5	716.5	725.8	730.4	739.3	757.1	770.6	771.5
165°	711.5	715.7	719.9	720.9	724.1	728.3	730.4	736.8	749.6	759.2	760.2
167.5°	722.9	724.9	726.9	727.4	730.0	733.5	735.3	739.5	747.9	754.2	754.7
170°	730.4	732.3	734.3	734.8	735.0	735.2	735.3	739.5	747.9	754.2	754.2
172.5°	734.3	734.7	735.2	735.3	735.3	735.3	735.3	738.6	745.3	750.2	749.8
175°	739.8	739.8	739.8	739.8	738.3	736.3	735.3	737.4	741.7	744.8	744.8
177.5°	739.8	739.8	739.8	739.8	738.7	737.2	736.4	738.0	741.3	743.8	743.3
180°	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9
2.5°	4418.9	4406.7	4418.9	4410.8	4414.9	4402.6	4365.9	4353.7	4365.9	4378.2	4378.2
5°	4471.9	4463.8	4471.9	4471.9	4467.9	4459.7	4418.9	4410.8	4418.9	4423.0	4414.9
7.5°	4488.2	4476.0	4488.2	4480.1	4480.1	4471.9	4431.2	4423.0	4427.1	4439.3	4427.1
10°	4488.2	4476.0	4488.2	4484.2	4480.1	4471.9	4431.2	4414.9	4414.9	4427.1	4414.9
12.5°	4467.9	4459.7	4467.9	4459.7	4459.7	4451.5	4410.8	4394.5	4398.5	4402.6	4386.3
15°	4435.2	4423.0	4435.2	4427.1	4431.2	4418.9	4374.1	4357.8	4357.8	4365.9	4337.4
17.5°	4386.3	4370.0	4386.3	4382.2	4378.2	4370.0	4329.2	4312.9	4308.9	4312.9	4292.6
20°	4329.2	4317.0	4329.2	4325.2	4325.2	4308.9	4268.1	4247.7	4247.7	4247.7	4227.3
22.5°	4239.6	4227.3	4239.6	4247.7	4247.7	4243.6	4206.9	4178.4	4170.3	4170.3	4145.8
25°	4137.6	4125.4	4137.6	4137.6	4133.6	4137.6	4125.4	4109.1	4096.9	4084.7	4060.2
27.5°	4039.8	4031.7	4039.8	4031.7	4039.8	4027.6	4023.5	4019.4	4003.1	3990.9	3958.3
30°	3942.0	3933.8	3942.0	3933.8	3925.7	3917.5	3897.1	3889.0	3905.3	3897.1	3844.1
32.5°	3819.7	3811.5	3819.7	3819.7	3811.5	3811.5	3778.9	3766.7	3770.8	3795.2	3746.3
35°	3693.3	3681.1	3693.3	3689.2	3693.3	3681.1	3660.7	3656.6	3640.3	3668.8	3632.1
37.5°	3546.5	3534.3	3546.5	3546.5	3546.5	3554.7	3538.4	3526.2	3501.7	3538.4	3509.9
40°	3395.7	3379.4	3395.7	3391.6	3395.7	3403.9	3395.7	3387.6	3363.1	3391.6	3367.2
42.5°	3224.5	3220.4	3224.5	3228.6	3228.6	3244.9	3257.1	3240.8	3232.6	3212.3	3228.6
45°	3041.0	3032.9	3041.0	3049.2	3053.3	3061.4	3098.1	3098.1	3085.9	3053.3	3077.7
47.5°	2845.4	2825.0	2845.4	2869.8	2869.8	2882.1	2918.7	2947.3	2926.9	2886.1	2898.4
50°	2637.5	2641.5	2637.5	2653.8	2653.8	2698.6	2727.1	2755.7	2776.1	2727.1	2670.1
52.5°	2433.7	2429.6	2433.7	2445.9	2462.2	2482.6	2531.5	2560.0	2592.6	2564.1	2474.4
55°	2229.9	2238.0	2229.9	2233.9	2242.1	2254.3	2327.7	2356.2	2417.4	2380.7	2286.9
57.5°	2026.0	2013.8	2026.0	2034.2	2038.3	2050.5	2111.6	2164.6	2201.3	2205.4	2091.3
60°	1789.6	1773.3	1789.6	1826.3	1834.5	1842.6	1899.7	1948.6	1981.2	1993.4	1875.2
62.5°	1581.7	1553.2	1581.7	1606.2	1622.5	1642.9	1683.6	1757.0	1785.5	1789.6	1622.5
65°	1361.6	1349.4	1361.6	1410.5	1414.6	1439.0	1483.9	1536.9	1598.0	1589.9	1349.4
67.5°	1161.8	1161.8	1161.8	1194.4	1218.9	1231.1	1288.2	1312.7	1390.1	1398.3	1125.1
70°	978.4	974.3	978.4	1002.8	1019.1	1047.7	1100.7	1129.2	1190.4	1210.7	913.2
72.5°	803.1	799.0	803.1	823.5	839.8	864.2	909.1	941.7	994.7	1019.1	709.3
75°	648.2	640.0	648.2	664.5	660.4	693.0	729.7	762.3	811.2	827.5	525.9
77.5°	497.3	497.3	497.3	513.7	513.7	546.3	562.6	603.3	631.9	656.3	387.3
80°	371.0	366.9	371.0	375.0	375.0	391.4	419.9	448.4	472.9	472.9	265.0
82.5°	260.9	252.7	260.9	260.9	260.9	269.1	285.4	293.5	309.8	322.1	167.1
85°	163.1	163.1	163.1	167.1	163.1	171.2	175.3	183.4	183.4	175.3	101.9
87.5°	106.0	101.9	106.0	101.9	101.9	97.8	97.8	97.8	93.8	89.7	57.1
90°	18.9	18.9	18.9	18.9	18.9	25.1	33.6	37.7	32.4	21.8	13.9
92.5°	75.6	60.5	75.6	90.6	94.4	133.7	186.2	212.5	186.5	134.7	95.8
95°	263.4	217.9	263.4	308.8	320.2	420.5	554.2	621.1	524.6	331.5	186.7
97.5°	631.2	544.7	631.2	717.7	739.3	802.7	887.2	929.5	768.5	446.5	205.1
100°	909.4	806.4	909.4	1012.4	1038.2	1033.5	1027.4	1024.3	845.6	488.4	220.4
102.5°	1183.1	1094.8	1183.1	1271.3	1293.4	1212.6	1104.9	1051.1	870.0	507.6	235.8
105°	1532.0	1484.6	1532.0	1579.4	1591.3	1410.2	1168.8	1048.2	872.7	521.8	258.6
107.5°	1760.6	1772.1	1760.6	1749.2	1746.3	1493.7	1157.0	988.6	833.9	524.5	292.5
110°	1847.7	1897.2	1847.7	1798.3	1786.0	1503.6	1127.2	938.9	799.5	520.5	311.3



TEST NUMBER: P934549

CATALOG NUMBER: SQ4-FA-050U-125D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1855.6	1931.5	1855.6	1779.6	1760.7	1471.7	1086.4	893.7	769.4	520.7	334.1
115°	1806.3	1911.6	1806.3	1701.1	1674.7	1396.3	1025.2	839.6	734.9	525.5	368.4
117.5°	1702.0	1818.7	1702.0	1585.2	1556.1	1304.8	969.9	802.4	713.3	535.2	401.7
120°	1618.0	1731.3	1618.0	1504.5	1476.2	1246.6	940.6	787.5	706.1	543.1	421.0
122.5°	1536.1	1647.9	1536.1	1424.1	1396.2	1189.5	913.8	776.0	702.2	554.6	443.9
125°	1419.2	1522.3	1419.2	1316.2	1290.4	1114.8	880.7	763.7	699.1	570.0	473.2
127.5°	1314.2	1401.2	1314.2	1227.3	1205.5	1054.7	853.7	753.2	697.2	585.4	501.5
130°	1252.4	1332.7	1252.4	1172.0	1151.9	1017.7	838.7	749.3	698.4	596.6	520.3
132.5°	1196.1	1268.1	1196.1	1124.2	1106.2	986.1	825.9	745.7	699.1	605.8	535.8
135°	1119.2	1181.2	1119.2	1057.2	1041.7	941.1	806.9	739.8	698.4	615.7	553.6
137.5°	1057.5	1108.2	1057.5	1006.7	994.0	909.0	795.5	738.8	702.8	630.6	576.5
140°	1015.1	1062.5	1015.1	967.7	955.8	882.3	784.3	735.3	703.4	639.7	591.8
142.5°	980.1	1020.9	980.1	939.2	929.0	864.4	778.3	735.3	706.0	647.3	603.3
145°	927.4	958.3	927.4	896.5	888.8	836.0	765.6	730.4	706.0	657.3	620.6
147.5°	887.0	912.6	887.0	861.5	855.0	813.5	758.1	730.4	710.9	671.8	642.5
150°	861.5	882.3	861.5	840.8	835.6	800.5	753.8	730.4	713.4	679.4	653.9
152.5°	839.9	855.5	839.9	824.2	820.3	790.3	750.4	730.4	715.1	684.4	661.4
155°	814.9	825.2	814.9	804.4	801.9	778.0	746.3	730.4	718.7	695.3	677.7
157.5°	795.1	802.4	795.1	787.8	786.0	767.4	742.8	730.4	722.4	706.2	694.1
160°	783.3	787.5	783.3	779.1	778.0	762.1	741.0	730.4	724.0	711.2	701.6
162.5°	775.5	779.6	775.5	771.5	770.6	757.1	739.3	730.4	725.8	716.5	709.5
165°	764.5	768.6	764.5	760.2	759.2	749.6	736.8	730.4	728.3	724.1	720.9
167.5°	756.4	758.2	756.4	754.7	754.2	747.9	739.5	735.3	733.5	730.0	727.4
170°	754.2	754.2	754.2	754.2	754.2	747.9	739.5	735.3	735.2	735.0	734.8
172.5°	748.3	746.8	748.3	749.8	750.2	745.3	738.6	735.3	735.3	735.3	735.3
175°	744.8	744.8	744.8	744.8	744.8	741.7	737.4	735.3	736.3	738.3	739.8
177.5°	741.6	739.8	741.6	743.3	743.8	741.3	738.0	736.4	737.2	738.7	739.8
180°	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8



TEST NUMBER: P934549

CATALOG NUMBER: SQ4-FA-050U-125D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9
2.5°	4370.0	4345.6	4345.6	4304.8	4288.5	4276.3	4255.9	4194.7	4178.4	4162.1	4186.6
5°	4406.7	4361.9	4329.2	4255.9	4194.7	4170.3	4092.8	3946.0	3848.2	3774.8	3734.1
7.5°	4414.9	4357.8	4296.6	4182.5	4035.7	3970.5	3734.1	3465.0	3391.6	3326.4	3285.6
10°	4406.7	4341.5	4255.9	4084.7	3738.1	3624.0	3387.6	3212.3	3167.4	3155.2	3167.4
12.5°	4378.2	4317.0	4198.8	3913.4	3428.3	3350.9	3212.3	3110.3	3102.2	3122.6	3232.6
15°	4329.2	4272.2	4133.6	3685.1	3257.1	3200.0	3102.2	3065.5	3110.3	3253.0	3583.2
17.5°	4280.3	4215.1	4043.9	3460.9	3126.7	3085.9	3016.6	3090.0	3342.7	3534.3	3644.4
20°	4215.1	4137.6	3942.0	3297.9	3032.9	2996.2	2963.6	3293.8	3485.4	3554.7	3615.8
22.5°	4137.6	4056.1	3803.4	3183.7	2935.1	2906.5	2926.9	3407.9	3485.4	3534.3	3587.3
25°	4035.7	3966.4	3640.3	3094.0	2857.6	2825.0	2902.4	3395.7	3440.5	3452.8	3558.8
27.5°	3942.0	3852.3	3469.1	3012.5	2763.8	2751.6	2922.8	3342.7	3375.3	3387.6	3501.7
30°	3827.8	3693.3	3277.5	2926.9	2666.0	2661.9	2926.9	3277.5	3269.3	3301.9	3416.1
32.5°	3709.6	3456.9	3061.4	2820.9	2572.2	2568.2	2898.4	3179.6	3171.5	3216.3	3301.9
35°	3599.5	3273.4	2767.9	2698.6	2454.0	2458.1	2829.1	3065.5	3069.6	3110.3	3163.3
37.5°	3485.4	3114.4	2445.9	2564.1	2339.9	2339.9	2735.3	2959.5	2951.4	2963.6	3037.0
40°	3350.9	2865.7	2160.6	2388.8	2233.9	2221.7	2621.2	2845.4	2816.8	2812.8	2914.7
42.5°	3208.2	2592.6	1948.6	2156.5	2111.6	2095.3	2482.6	2706.8	2653.8	2666.0	2796.4
45°	3053.3	2519.3	1785.5	1822.2	1985.3	1973.1	2331.8	2547.8	2511.1	2543.7	2678.2
47.5°	2898.4	2372.5	1732.6	1512.4	1850.8	1846.7	2164.6	2392.9	2372.5	2405.1	2547.8
50°	2686.4	2209.5	1728.5	1296.4	1699.9	1716.2	1964.9	2242.1	2242.1	2270.6	2421.4
52.5°	2413.3	2009.7	1569.5	1174.1	1524.6	1573.6	1789.6	2111.6	2119.8	2148.3	2282.8
55°	2164.6	1801.9	1455.3	1080.3	1316.7	1422.7	1618.4	1977.1	1993.4	2022.0	2144.3
57.5°	1936.4	1500.2	1430.9	970.2	1125.1	1227.1	1467.6	1846.7	1854.8	1879.3	1997.5
60°	1691.8	1084.4	1312.7	852.0	958.0	1035.5	1329.0	1691.8	1720.3	1736.6	1838.5
62.5°	1414.6	786.8	1190.4	770.5	876.5	892.8	1214.8	1545.0	1581.7	1593.9	1655.1
65°	1006.9	660.4	1011.0	701.2	790.9	794.9	1092.5	1394.2	1426.8	1447.2	1492.0
67.5°	680.8	538.1	770.5	635.9	725.6	729.7	974.3	1218.9	1263.7	1280.1	1308.6
70°	472.9	358.7	570.7	566.6	652.3	660.4	847.9	1059.9	1100.7	1112.9	1129.2
72.5°	346.5	289.4	472.9	509.6	574.8	583.0	717.5	880.5	921.3	933.5	941.7
75°	265.0	305.7	383.2	444.3	489.2	493.3	587.0	717.5	746.0	754.2	758.2
77.5°	212.0	285.4	281.3	358.7	399.5	391.4	460.7	554.4	578.9	578.9	578.9
80°	159.0	224.2	212.0	256.8	293.5	285.4	330.2	395.4	403.6	411.7	407.7
82.5°	118.2	142.7	142.7	163.1	195.7	187.5	220.1	256.8	256.8	256.8	265.0
85°	73.4	81.5	65.2	85.6	110.1	106.0	122.3	138.6	142.7	142.7	134.5
87.5°	44.8	36.7	20.4	32.6	48.9	48.9	57.1	61.1	57.1	57.1	57.1
90°	12.9	8.9	5.0	8.9	12.9	13.9	21.8	32.4	37.7	33.6	25.1
92.5°	87.4	53.6	19.8	53.6	87.4	95.8	134.7	186.5	212.5	186.2	133.7
95°	171.3	109.4	47.7	109.4	171.3	186.7	331.5	524.6	621.1	554.2	420.5
97.5°	191.4	136.9	82.4	136.9	191.4	205.1	446.5	768.5	929.5	887.2	802.7
100°	208.1	158.7	109.2	158.7	208.1	220.4	488.4	845.6	1024.3	1027.4	1033.5
102.5°	224.3	178.2	132.1	178.2	224.3	235.8	507.6	870.0	1051.1	1104.9	1212.6
105°	248.8	209.8	170.8	209.8	248.8	258.6	521.8	872.7	1048.2	1168.8	1410.2
107.5°	283.4	246.9	210.5	246.9	283.4	292.5	524.5	833.9	988.6	1157.0	1493.7
110°	303.1	270.2	237.4	270.2	303.1	311.3	520.5	799.5	938.9	1127.2	1503.6



TEST NUMBER: P934549

CATALOG NUMBER: SQ4-FA-050U-125D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	326.3	294.9	263.6	294.9	326.3	334.1	520.7	769.4	893.7	1086.4	1471.7
115°	361.2	332.3	303.4	332.3	361.2	368.4	525.5	734.9	839.6	1025.2	1396.3
117.5°	395.1	368.8	342.6	368.8	395.1	401.7	535.2	713.3	802.4	969.9	1304.8
120°	414.8	390.2	365.4	390.2	414.8	421.0	543.1	706.1	787.5	940.6	1246.6
122.5°	437.6	412.7	387.8	412.7	437.6	443.9	554.6	702.2	776.0	913.8	1189.5
125°	467.5	444.8	422.1	444.8	467.5	473.2	570.0	699.1	763.7	880.7	1114.8
127.5°	495.8	472.8	449.8	472.8	495.8	501.5	585.4	697.2	753.2	853.7	1054.7
130°	514.2	489.5	464.8	489.5	514.2	520.3	596.6	698.4	749.3	838.7	1017.7
132.5°	529.6	504.8	480.1	504.8	529.6	535.8	605.8	699.1	745.7	825.9	986.1
135°	548.0	525.5	503.0	525.5	548.0	553.6	615.7	698.4	739.8	806.9	941.1
137.5°	570.9	548.6	526.3	548.6	570.9	576.5	630.6	702.8	738.8	795.5	909.0
140°	586.7	566.2	545.6	566.2	586.7	591.8	639.7	703.4	735.3	784.3	882.3
142.5°	598.6	579.5	560.6	579.5	598.6	603.3	647.3	706.0	735.3	778.3	864.4
145°	616.5	599.9	583.4	599.9	616.5	620.6	657.3	706.0	730.4	765.6	836.0
147.5°	638.5	622.3	606.3	622.3	638.5	642.5	671.8	710.9	730.4	758.1	813.5
150°	650.3	635.7	621.1	635.7	650.3	653.9	679.4	713.4	730.4	753.8	800.5
152.5°	658.6	647.5	636.5	647.5	658.6	661.4	684.4	715.1	730.4	750.4	790.3
155°	675.7	667.5	659.3	667.5	675.7	677.7	695.3	718.7	730.4	746.3	778.0
157.5°	692.1	684.2	676.3	684.2	692.1	694.1	706.2	722.4	730.4	742.8	767.4
160°	700.1	693.9	687.7	693.9	700.1	701.6	711.2	724.0	730.4	741.0	762.1
162.5°	708.4	703.7	699.1	703.7	708.4	709.5	716.5	725.8	730.4	739.3	757.1
165°	719.9	715.7	711.5	715.7	719.9	720.9	724.1	728.3	730.4	736.8	749.6
167.5°	726.9	724.9	722.9	724.9	726.9	727.4	730.0	733.5	735.3	739.5	747.9
170°	734.3	732.3	730.4	732.3	734.3	734.8	735.0	735.2	735.3	739.5	747.9
172.5°	735.2	734.7	734.3	734.7	735.2	735.3	735.3	735.3	735.3	738.6	745.3
175°	739.8	739.8	739.8	739.8	739.8	739.8	738.3	736.3	735.3	737.4	741.7
177.5°	739.8	739.8	739.8	739.8	739.8	739.8	738.7	737.2	736.4	738.0	741.3
180°	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8



TEST NUMBER: P934549

CATALOG NUMBER: SQ4-FA-050U-125D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9
2.5°	4158.0	4145.8	4162.1	4117.3	4162.1	4145.8	4158.0	4186.6	4162.1	4178.4	4194.7
5°	3648.5	3628.1	3562.8	3509.9	3562.8	3628.1	3648.5	3734.1	3774.8	3848.2	3946.0
7.5°	3261.2	3244.9	3228.6	3196.0	3228.6	3244.9	3261.2	3285.6	3326.4	3391.6	3465.0
10°	3175.6	3179.6	3204.1	3200.0	3204.1	3179.6	3175.6	3167.4	3155.2	3167.4	3212.3
12.5°	3395.7	3432.4	3566.9	3558.8	3566.9	3432.4	3395.7	3232.6	3122.6	3102.2	3110.3
15°	3648.5	3660.7	3689.2	3693.3	3689.2	3660.7	3648.5	3583.2	3253.0	3110.3	3065.5
17.5°	3672.9	3677.0	3697.4	3697.4	3697.4	3677.0	3672.9	3644.4	3534.3	3342.7	3090.0
20°	3652.5	3660.7	3701.5	3709.6	3701.5	3660.7	3652.5	3615.8	3554.7	3485.4	3293.8
22.5°	3644.4	3660.7	3693.3	3689.2	3693.3	3660.7	3644.4	3587.3	3534.3	3485.4	3407.9
25°	3603.6	3603.6	3607.7	3611.8	3607.7	3603.6	3603.6	3558.8	3452.8	3440.5	3395.7
27.5°	3518.0	3526.2	3550.6	3546.5	3550.6	3526.2	3518.0	3501.7	3387.6	3375.3	3342.7
30°	3440.5	3432.4	3412.0	3395.7	3412.0	3432.4	3440.5	3416.1	3301.9	3269.3	3277.5
32.5°	3310.1	3289.7	3269.3	3257.1	3269.3	3289.7	3310.1	3301.9	3216.3	3171.5	3179.6
35°	3155.2	3159.3	3155.2	3143.0	3155.2	3159.3	3155.2	3163.3	3110.3	3069.6	3065.5
37.5°	3045.1	3053.3	3049.2	3032.9	3049.2	3053.3	3045.1	3037.0	2963.6	2951.4	2959.5
40°	2931.0	2935.1	2931.0	2918.7	2931.0	2935.1	2931.0	2914.7	2812.8	2816.8	2845.4
42.5°	2820.9	2816.8	2804.6	2796.4	2804.6	2816.8	2820.9	2796.4	2666.0	2653.8	2706.8
45°	2694.5	2698.6	2674.2	2661.9	2674.2	2698.6	2694.5	2678.2	2543.7	2511.1	2547.8
47.5°	2568.2	2568.2	2547.8	2535.6	2547.8	2568.2	2568.2	2547.8	2405.1	2372.5	2392.9
50°	2433.7	2429.6	2401.1	2397.0	2401.1	2429.6	2433.7	2421.4	2270.6	2242.1	2242.1
52.5°	2278.8	2278.8	2282.8	2291.0	2282.8	2278.8	2278.8	2282.8	2148.3	2119.8	2111.6
55°	2144.3	2148.3	2176.9	2185.0	2176.9	2148.3	2144.3	2144.3	2022.0	1993.4	1977.1
57.5°	2005.7	2005.7	2026.0	2026.0	2026.0	2005.7	2005.7	1997.5	1879.3	1854.8	1846.7
60°	1846.7	1854.8	1871.2	1867.1	1871.2	1854.8	1846.7	1838.5	1736.6	1720.3	1691.8
62.5°	1679.6	1687.7	1691.8	1683.6	1691.8	1687.7	1679.6	1655.1	1593.9	1581.7	1545.0
65°	1504.3	1512.4	1516.5	1508.3	1516.5	1512.4	1504.3	1492.0	1447.2	1426.8	1394.2
67.5°	1324.9	1320.8	1316.7	1333.0	1316.7	1320.8	1324.9	1308.6	1280.1	1263.7	1218.9
70°	1141.4	1141.4	1137.4	1145.5	1137.4	1141.4	1141.4	1129.2	1112.9	1100.7	1059.9
72.5°	945.8	941.7	958.0	945.8	958.0	941.7	945.8	941.7	933.5	921.3	880.5
75°	754.2	762.3	754.2	766.4	754.2	762.3	754.2	758.2	754.2	746.0	717.5
77.5°	574.8	583.0	574.8	574.8	574.8	583.0	574.8	578.9	578.9	578.9	554.4
80°	407.7	403.6	403.6	399.5	403.6	403.6	407.7	407.7	411.7	403.6	395.4
82.5°	260.9	256.8	256.8	265.0	256.8	256.8	260.9	265.0	256.8	256.8	256.8
85°	142.7	146.8	138.6	138.6	138.6	146.8	142.7	134.5	142.7	142.7	138.6
87.5°	53.0	48.9	48.9	48.9	48.9	48.9	53.0	57.1	57.1	57.1	61.1
90°	18.9	18.9	18.9	18.9	18.9	18.9	18.9	25.1	33.6	37.7	32.4
92.5°	94.4	90.6	75.6	60.5	75.6	90.6	94.4	133.7	186.2	212.5	186.5
95°	320.2	308.8	263.4	217.9	263.4	308.8	320.2	420.5	554.2	621.1	524.6
97.5°	739.3	717.7	631.2	544.7	631.2	717.7	739.3	802.7	887.2	929.5	768.5
100°	1038.2	1012.4	909.4	806.4	909.4	1012.4	1038.2	1033.5	1027.4	1024.3	845.6
102.5°	1293.4	1271.3	1183.1	1094.8	1183.1	1271.3	1293.4	1212.6	1104.9	1051.1	870.0
105°	1591.3	1579.4	1532.0	1484.6	1532.0	1579.4	1591.3	1410.2	1168.8	1048.2	872.7
107.5°	1746.3	1749.2	1760.6	1772.1	1760.6	1749.2	1746.3	1493.7	1157.0	988.6	833.9
110°	1786.0	1798.3	1847.7	1897.2	1847.7	1798.3	1786.0	1503.6	1127.2	938.9	799.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1760.7	1779.6	1855.6	1931.5	1855.6	1779.6	1760.7	1471.7	1086.4	893.7	769.4
115°	1674.7	1701.1	1806.3	1911.6	1806.3	1701.1	1674.7	1396.3	1025.2	839.6	734.9
117.5°	1556.1	1585.2	1702.0	1818.7	1702.0	1585.2	1556.1	1304.8	969.9	802.4	713.3
120°	1476.2	1504.5	1618.0	1731.3	1618.0	1504.5	1476.2	1246.6	940.6	787.5	706.1
122.5°	1396.2	1424.1	1536.1	1647.9	1536.1	1424.1	1396.2	1189.5	913.8	776.0	702.2
125°	1290.4	1316.2	1419.2	1522.3	1419.2	1316.2	1290.4	1114.8	880.7	763.7	699.1
127.5°	1205.5	1227.3	1314.2	1401.2	1314.2	1227.3	1205.5	1054.7	853.7	753.2	697.2
130°	1151.9	1172.0	1252.4	1332.7	1252.4	1172.0	1151.9	1017.7	838.7	749.3	698.4
132.5°	1106.2	1124.2	1196.1	1268.1	1196.1	1124.2	1106.2	986.1	825.9	745.7	699.1
135°	1041.7	1057.2	1119.2	1181.2	1119.2	1057.2	1041.7	941.1	806.9	739.8	698.4
137.5°	994.0	1006.7	1057.5	1108.2	1057.5	1006.7	994.0	909.0	795.5	738.8	702.8
140°	955.8	967.7	1015.1	1062.5	1015.1	967.7	955.8	882.3	784.3	735.3	703.4
142.5°	929.0	939.2	980.1	1020.9	980.1	939.2	929.0	864.4	778.3	735.3	706.0
145°	888.8	896.5	927.4	958.3	927.4	896.5	888.8	836.0	765.6	730.4	706.0
147.5°	855.0	861.5	887.0	912.6	887.0	861.5	855.0	813.5	758.1	730.4	710.9
150°	835.6	840.8	861.5	882.3	861.5	840.8	835.6	800.5	753.8	730.4	713.4
152.5°	820.3	824.2	839.9	855.5	839.9	824.2	820.3	790.3	750.4	730.4	715.1
155°	801.9	804.4	814.9	825.2	814.9	804.4	801.9	778.0	746.3	730.4	718.7
157.5°	786.0	787.8	795.1	802.4	795.1	787.8	786.0	767.4	742.8	730.4	722.4
160°	778.0	779.1	783.3	787.5	783.3	779.1	778.0	762.1	741.0	730.4	724.0
162.5°	770.6	771.5	775.5	779.6	775.5	771.5	770.6	757.1	739.3	730.4	725.8
165°	759.2	760.2	764.5	768.6	764.5	760.2	759.2	749.6	736.8	730.4	728.3
167.5°	754.2	754.7	756.4	758.2	756.4	754.7	754.2	747.9	739.5	735.3	733.5
170°	754.2	754.2	754.2	754.2	754.2	754.2	754.2	747.9	739.5	735.3	735.2
172.5°	750.2	749.8	748.3	746.8	748.3	749.8	750.2	745.3	738.6	735.3	735.3
175°	744.8	744.8	744.8	744.8	744.8	744.8	744.8	741.7	737.4	735.3	736.3
177.5°	743.8	743.3	741.6	739.8	741.6	743.3	743.8	741.3	738.0	736.4	737.2
180°	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4308.9	4308.9	4308.9	4308.9	4308.9
2.5°	4255.9	4276.3	4288.5	4304.8	4345.6
5°	4092.8	4170.3	4194.7	4255.9	4329.2
7.5°	3734.1	3970.5	4035.7	4182.5	4296.6
10°	3387.6	3624.0	3738.1	4084.7	4255.9
12.5°	3212.3	3350.9	3428.3	3913.4	4198.8
15°	3102.2	3200.0	3257.1	3685.1	4133.6
17.5°	3016.6	3085.9	3126.7	3460.9	4043.9
20°	2963.6	2996.2	3032.9	3297.9	3942.0
22.5°	2926.9	2906.5	2935.1	3183.7	3803.4
25°	2902.4	2825.0	2857.6	3094.0	3640.3
27.5°	2922.8	2751.6	2763.8	3012.5	3469.1
30°	2926.9	2661.9	2666.0	2926.9	3277.5
32.5°	2898.4	2568.2	2572.2	2820.9	3061.4
35°	2829.1	2458.1	2454.0	2698.6	2767.9
37.5°	2735.3	2339.9	2339.9	2564.1	2445.9
40°	2621.2	2221.7	2233.9	2388.8	2160.6
42.5°	2482.6	2095.3	2111.6	2156.5	1948.6
45°	2331.8	1973.1	1985.3	1822.2	1785.5
47.5°	2164.6	1846.7	1850.8	1512.4	1732.6
50°	1964.9	1716.2	1699.9	1296.4	1728.5
52.5°	1789.6	1573.6	1524.6	1174.1	1569.5
55°	1618.4	1422.7	1316.7	1080.3	1455.3
57.5°	1467.6	1227.1	1125.1	970.2	1430.9
60°	1329.0	1035.5	958.0	852.0	1312.7
62.5°	1214.8	892.8	876.5	770.5	1190.4
65°	1092.5	794.9	790.9	701.2	1011.0
67.5°	974.3	729.7	725.6	635.9	770.5
70°	847.9	660.4	652.3	566.6	570.7
72.5°	717.5	583.0	574.8	509.6	472.9
75°	587.0	493.3	489.2	444.3	383.2
77.5°	460.7	391.4	399.5	358.7	281.3
80°	330.2	285.4	293.5	256.8	212.0
82.5°	220.1	187.5	195.7	163.1	142.7
85°	122.3	106.0	110.1	85.6	65.2
87.5°	57.1	48.9	48.9	32.6	20.4
90°	21.8	13.9	12.9	8.9	5.0
92.5°	134.7	95.8	87.4	53.6	19.8
95°	331.5	186.7	171.3	109.4	47.7
97.5°	446.5	205.1	191.4	136.9	82.4
100°	488.4	220.4	208.1	158.7	109.2
102.5°	507.6	235.8	224.3	178.2	132.1
105°	521.8	258.6	248.8	209.8	170.8
107.5°	524.5	292.5	283.4	246.9	210.5
110°	520.5	311.3	303.1	270.2	237.4



TEST NUMBER: P934549

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	520.7	334.1	326.3	294.9	263.6
115°	525.5	368.4	361.2	332.3	303.4
117.5°	535.2	401.7	395.1	368.8	342.6
120°	543.1	421.0	414.8	390.2	365.4
122.5°	554.6	443.9	437.6	412.7	387.8
125°	570.0	473.2	467.5	444.8	422.1
127.5°	585.4	501.5	495.8	472.8	449.8
130°	596.6	520.3	514.2	489.5	464.8
132.5°	605.8	535.8	529.6	504.8	480.1
135°	615.7	553.6	548.0	525.5	503.0
137.5°	630.6	576.5	570.9	548.6	526.3
140°	639.7	591.8	586.7	566.2	545.6
142.5°	647.3	603.3	598.6	579.5	560.6
145°	657.3	620.6	616.5	599.9	583.4
147.5°	671.8	642.5	638.5	622.3	606.3
150°	679.4	653.9	650.3	635.7	621.1
152.5°	684.4	661.4	658.6	647.5	636.5
155°	695.3	677.7	675.7	667.5	659.3
157.5°	706.2	694.1	692.1	684.2	676.3
160°	711.2	701.6	700.1	693.9	687.7
162.5°	716.5	709.5	708.4	703.7	699.1
165°	724.1	720.9	719.9	715.7	711.5
167.5°	730.0	727.4	726.9	724.9	722.9
170°	735.0	734.8	734.3	732.3	730.4
172.5°	735.3	735.3	735.2	734.7	734.3
175°	738.3	739.8	739.8	739.8	739.8
177.5°	738.7	739.8	739.8	739.8	739.8
180°	739.8	739.8	739.8	739.8	739.8



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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	15.48	16.55	16.24	17.34	18.29	18.33	19.40	19.09	20.19	21.14
	3H	15.97	16.93	16.75	17.73	18.72	19.70	20.66	20.47	21.46	22.44
	4H	16.17	17.08	16.97	17.89	18.88	20.16	21.07	20.95	21.87	22.87
	6H	16.30	17.14	17.11	17.95	18.96	20.46	21.30	21.26	22.11	23.12
	8H	16.31	17.11	17.13	17.94	18.95	20.54	21.34	21.36	22.17	23.18
	12H	16.29	17.05	17.11	17.87	18.91	20.59	21.35	21.41	22.18	23.22
4H	2H	16.54	17.45	17.34	18.26	19.25	18.76	19.67	19.56	20.48	21.47
	3H	17.59	18.35	18.40	19.19	20.20	20.29	21.05	21.11	21.89	22.90
	4H	17.87	18.56	18.70	19.40	20.44	20.84	21.53	21.66	22.36	23.40
	6H	18.01	18.61	18.85	19.47	20.51	21.22	21.82	22.06	22.68	23.72
	8H	18.02	18.58	18.87	19.44	20.49	21.33	21.89	22.18	22.75	23.81
	12H	18.00	18.50	18.86	19.38	20.44	21.40	21.91	22.27	22.78	23.85
8H	4H	18.35	18.90	19.19	19.76	20.82	20.98	21.53	21.82	22.39	23.45
	6H	18.62	19.08	19.49	19.98	21.04	21.43	21.89	22.30	22.79	23.85
	8H	18.66	19.07	19.55	19.97	21.04	21.59	21.99	22.47	22.89	23.96
	12H	18.66	19.02	19.54	19.90	21.03	21.70	22.06	22.59	22.94	24.07
12H	4H	18.36	18.87	19.23	19.74	20.81	20.95	21.45	21.82	22.33	23.39
	6H	18.68	19.09	19.57	19.99	21.06	21.43	21.84	22.31	22.73	23.81
	8H	18.76	19.12	19.64	20.00	21.13	21.60	21.96	22.49	22.85	23.98