

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: P934055

Luminaire Tested: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934055
REPORT IS A COMBINATION OF REPORTS P933681 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

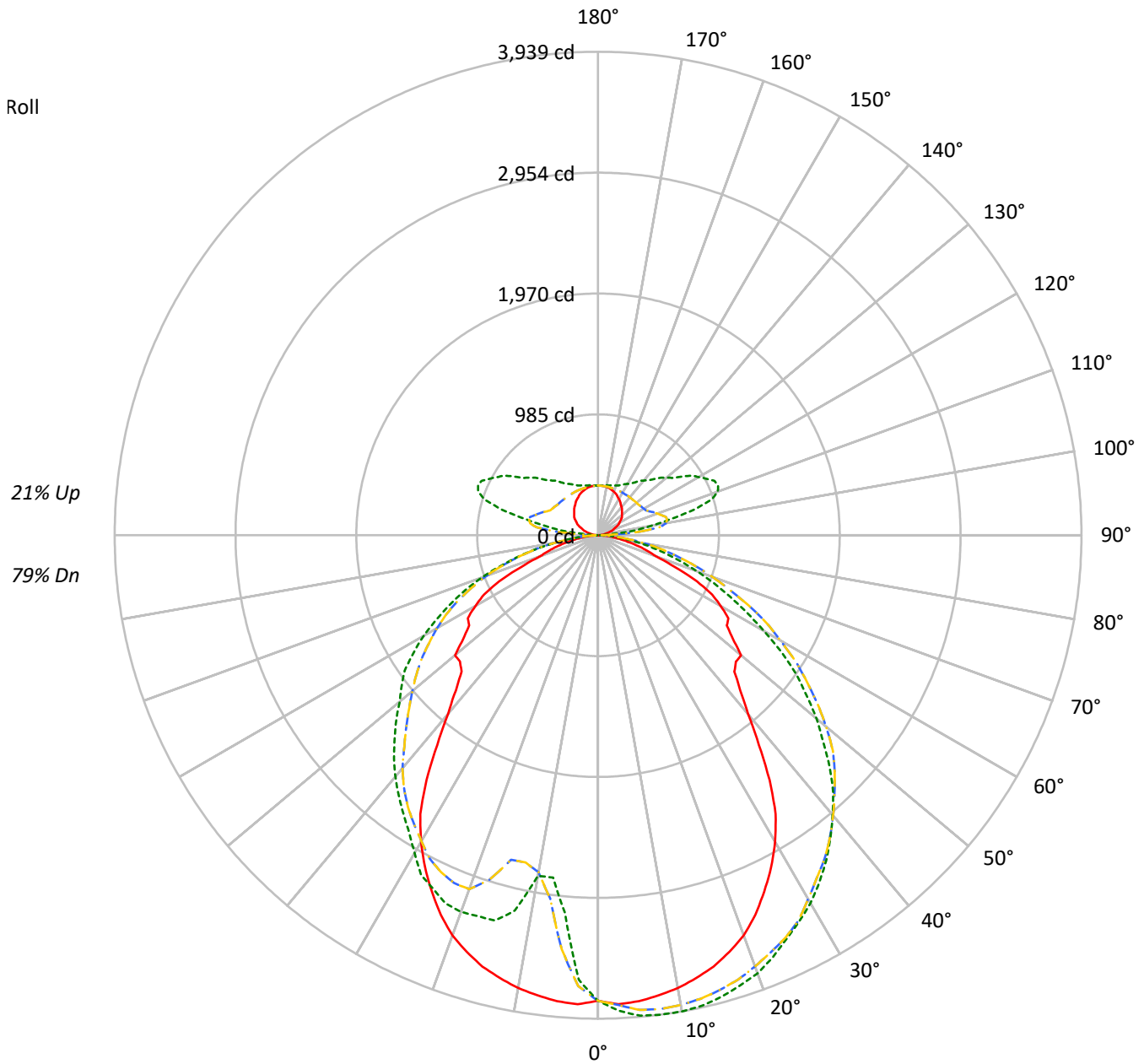
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12461.3 lumens
Efficiency: N/A
Efficacy: 107.1 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): 116.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	114	114	114	114	109	109	109	109	99	99	99	91	91	91	83	83	83	79			79
1	104	100	96	92	100	96	92	89	88	85	82	80	78	76	73	72	70	67			67
2	95	87	81	76	91	84	78	73	77	72	68	70	67	64	65	62	59	56			56
3	87	77	69	63	83	74	67	61	68	62	57	62	58	54	57	54	50	47			47
4	79	68	60	53	76	65	58	52	60	54	49	56	50	46	51	47	43	41			41
5	73	61	52	46	70	58	51	45	54	47	42	50	44	40	46	41	38	35			35
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	42	37	33	31			31
7	62	50	41	35	59	48	40	34	44	38	33	41	35	31	38	33	30	27			27
8	58	45	37	31	55	44	36	31	40	34	29	38	32	28	35	30	26	24			24
9	54	41	33	28	52	40	33	27	37	31	26	35	29	25	32	27	24	22			22
10	51	38	30	25	48	37	30	25	34	28	24	32	27	23	30	25	22	20			20

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11730	11730	11730	11730
5°	11822	11841	11822	9310
10°	11747	11664	11747	8339
15°	11624	11411	11624	9528
20°	11385	11112	11385	9548
25°	10892	10675	10892	9346
30°	10253	10312	10253	8902
35°	9146	9854	9146	8414
40°	7625	9314	7625	8044
45°	6817	8682	6817	7620
50°	7248	7929	7248	7195
55°	6826	7117	6826	6948
60°	7045	6045	7045	6364
65°	6398	4997	6398	5585
70°	4441	3982	4441	4682
75°	3909	2944	3909	3525
80°	3174	1946	3174	2119
85°	1860	1031	1860	876

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10441 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.3	2.7
10°-20°	971.9	7.8
20°-30°	1502.5	12.1
30°-40°	1793.6	14.4
40°-50°	1804.1	14.5
50°-60°	1569.8	12.6
60°-70°	1113.0	8.9
70°-80°	588.8	4.7
80°-90°	148.2	1.2
90°-100°	197.5	1.6
100°-110°	519.3	4.2
110°-120°	538.5	4.3
120°-130°	431.9	3.5
130°-140°	338.9	2.7
140°-150°	260.1	2.1
150°-160°	187.3	1.5
160°-170°	114.6	0.9
170°-180°	38.7	0.3
0°-30°	2816.7	22.6
0°-40°	4610.3	37.0
0°-60°	7984.3	64.1
0°-90°	9834.3	78.9
90°-120°	1255.4	10.1
90°-150°	2286.3	18.3
90°-180°	2627.0	21.1
0°-180°	12461.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3792	3792	3792	3792	3792	
5°	3810	3929	3810	3089	3810	361
15°	3638	3893	3638	3250	3638	1024
25°	3204	3631	3204	3179	3204	1471
35°	2436	3240	2436	2766	2436	1507
45°	1572	2669	1572	2343	1572	1259
55°	1281	1970	1281	1923	1281	1177
65°	890	1188	890	1328	890	850
75°	337	563	337	674	337	355
85°	57	144	57	122	57	78
90°	3	10	3	10	3	5
95°	26	119	26	119	26	29
105°	94	813	94	813	94	99
115°	166	1047	166	1047	166	164
125°	231	834	231	834	231	205
135°	276	647	276	647	276	213
145°	320	525	320	525	320	200
155°	361	452	361	452	361	166
165°	390	421	390	421	390	110
175°	405	408	405	408	405	38
180°	405	405	405	405	405	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3
2.5°	3824.6	3824.6	3846.1	3853.3	3853.3	3842.5	3831.7	3842.5	3874.8	3885.6	3882.0
5°	3810.3	3839.0	3878.4	3885.6	3892.7	3889.2	3882.0	3889.2	3925.0	3932.2	3935.8
7.5°	3781.5	3835.3	3885.6	3896.4	3907.1	3896.4	3892.7	3900.0	3935.8	3943.0	3943.0
10°	3745.6	3821.0	3878.4	3885.6	3896.4	3885.6	3885.6	3900.0	3935.8	3943.0	3946.6
12.5°	3695.4	3799.5	3853.3	3860.5	3874.8	3871.2	3867.7	3882.0	3917.9	3925.0	3925.0
15°	3638.0	3760.0	3810.3	3817.4	3842.5	3835.3	3835.3	3849.7	3889.2	3900.0	3896.4
17.5°	3559.1	3709.8	3767.2	3778.0	3795.9	3792.3	3795.9	3810.3	3846.1	3853.3	3856.9
20°	3469.4	3641.6	3709.8	3720.6	3738.5	3738.5	3738.5	3756.4	3792.3	3806.7	3806.7
22.5°	3347.4	3569.9	3641.6	3648.8	3670.3	3670.3	3677.5	3702.6	3734.9	3738.5	3738.5
25°	3203.9	3490.9	3551.9	3573.5	3594.9	3605.7	3616.5	3630.9	3641.6	3638.0	3641.6
27.5°	3053.2	3390.5	3469.4	3483.8	3512.5	3523.2	3537.6	3541.2	3544.7	3555.5	3548.3
30°	2884.6	3250.5	3368.9	3383.3	3429.9	3437.1	3422.8	3429.9	3447.8	3455.1	3462.2
32.5°	2694.4	3042.4	3264.9	3297.1	3340.2	3318.7	3315.2	3325.9	3354.6	3354.6	3361.8
35°	2436.2	2881.0	3168.1	3196.8	3229.0	3203.9	3218.2	3221.8	3239.8	3250.5	3247.0
37.5°	2152.7	2741.1	3067.6	3089.1	3114.2	3081.9	3103.4	3114.2	3128.6	3121.4	3121.4
40°	1901.6	2522.2	2949.2	2963.5	2985.0	2960.0	2981.4	2988.7	2995.8	2988.7	2985.0
42.5°	1715.0	2281.8	2823.6	2841.6	2827.2	2845.1	2852.3	2866.6	2855.9	2841.6	2841.6
45°	1571.5	2217.3	2687.2	2708.8	2687.2	2715.9	2726.7	2726.7	2694.4	2687.2	2683.7
47.5°	1524.8	2088.1	2550.9	2550.9	2540.2	2576.0	2594.0	2568.8	2536.5	2525.9	2525.9
50°	1521.2	1944.6	2364.4	2350.0	2400.2	2443.3	2425.4	2400.2	2375.1	2335.7	2335.7
52.5°	1381.3	1768.8	2124.0	2177.8	2256.7	2281.8	2253.1	2228.1	2185.0	2167.0	2152.7
55°	1280.8	1585.8	1905.1	2012.7	2095.3	2127.6	2073.7	2048.7	1984.0	1973.3	1966.1
57.5°	1259.4	1320.3	1704.2	1840.6	1941.0	1937.4	1905.1	1858.5	1804.6	1793.9	1790.3
60°	1155.3	954.3	1488.9	1650.4	1754.5	1743.7	1715.0	1671.9	1621.7	1614.5	1607.3
62.5°	1047.6	692.4	1245.0	1428.0	1575.1	1571.5	1546.4	1481.7	1445.9	1428.0	1413.6
65°	889.8	581.2	886.2	1187.6	1399.2	1406.4	1352.6	1306.0	1266.5	1245.0	1241.3
67.5°	678.1	473.6	599.1	990.2	1230.7	1223.4	1155.3	1133.7	1083.5	1072.7	1051.3
70°	502.3	315.7	416.2	803.7	1065.6	1047.6	993.8	968.7	922.1	896.9	882.6
72.5°	416.2	254.7	304.9	624.3	896.9	875.4	828.8	800.1	760.6	739.1	724.8
75°	337.3	269.1	233.2	462.8	728.3	714.0	670.9	642.2	609.9	581.2	584.8
77.5°	247.6	251.2	186.6	340.9	577.7	556.1	531.0	495.1	480.7	452.0	452.0
80°	186.6	197.3	139.9	233.2	416.2	416.2	394.7	369.6	344.4	330.1	330.1
82.5°	125.5	125.5	104.0	147.1	283.4	272.6	258.3	251.2	236.8	229.6	229.6
85°	57.4	71.8	64.5	89.7	154.2	161.5	161.5	154.2	150.7	143.5	147.1
87.5°	17.9	32.3	39.5	50.2	78.9	82.6	86.1	86.1	86.1	89.7	89.7
90°	2.7	4.9	7.1	7.6	11.9	17.7	20.6	18.4	13.8	10.3	10.3
92.5°	10.9	29.3	47.9	52.5	73.8	102.2	116.4	102.0	73.2	51.7	49.6
95°	26.1	59.9	93.8	102.3	181.6	287.4	340.3	303.6	230.4	175.4	169.2
97.5°	45.2	75.0	104.9	112.3	244.6	421.0	509.2	486.0	439.7	405.0	393.1
100°	59.8	86.9	114.0	120.7	267.6	463.3	561.1	562.8	566.2	568.7	554.6
102.5°	72.3	97.6	122.8	129.2	278.1	476.6	575.8	605.3	664.2	708.5	696.3
105°	93.6	115.0	136.3	141.7	285.8	478.0	574.1	640.2	772.5	871.7	865.2
107.5°	115.3	135.2	155.2	160.2	287.3	456.7	541.5	633.7	818.2	956.6	958.1
110°	130.0	148.0	166.0	170.5	285.1	437.9	514.3	617.4	823.6	978.3	985.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	144.5	161.6	178.8	183.0	285.2	421.4	489.6	595.1	806.1	964.4	974.9
115°	166.2	182.0	197.9	201.9	287.8	402.5	459.9	561.6	764.9	917.4	931.8
117.5°	187.6	202.0	216.4	220.0	293.2	390.8	439.5	531.3	714.8	852.4	868.4
120°	200.1	213.7	227.3	230.6	297.5	386.7	431.3	515.1	682.9	808.6	824.1
122.5°	212.4	226.1	239.7	243.1	303.8	384.6	425.1	500.6	651.5	764.8	780.1
125°	231.2	243.7	256.2	259.2	312.3	383.0	418.3	482.4	610.6	706.8	721.0
127.5°	246.4	259.0	271.5	274.7	320.7	382.0	412.6	467.6	577.8	660.3	672.3
130°	254.5	268.1	281.7	285.0	326.9	382.5	410.4	459.5	557.5	631.0	642.0
132.5°	263.0	276.5	290.1	293.5	331.8	383.0	408.5	452.4	540.2	606.0	615.9
135°	275.5	287.8	300.2	303.2	337.3	382.6	405.2	442.0	515.5	570.6	579.1
137.5°	288.3	300.5	312.6	315.7	345.4	385.0	404.7	435.7	497.8	544.5	551.4
140°	298.9	310.1	321.4	324.2	350.4	385.3	402.8	429.6	483.3	523.5	530.1
142.5°	307.0	317.4	327.8	330.5	354.6	386.7	402.8	426.3	473.5	508.9	514.5
145°	319.6	328.7	337.7	340.0	360.0	386.7	400.1	419.4	457.9	486.8	491.0
147.5°	332.1	340.9	349.8	351.9	367.9	389.4	400.1	415.3	445.6	468.3	471.9
150°	340.3	348.2	356.2	358.2	372.1	390.8	400.1	412.9	438.6	457.7	460.5
152.5°	348.7	354.7	360.7	362.2	374.8	391.7	400.1	411.0	432.9	449.3	451.5
155°	361.2	365.6	370.1	371.2	380.8	393.7	400.1	408.8	426.2	439.3	440.7
157.5°	370.4	374.7	379.2	380.3	386.9	395.6	400.1	406.9	420.4	430.5	431.5
160°	376.7	380.1	383.5	384.3	389.6	396.6	400.1	405.9	417.5	426.1	426.7
162.5°	383.0	385.5	388.0	388.7	392.5	397.5	400.1	405.0	414.7	422.1	422.6
165°	389.8	392.0	394.4	394.9	396.6	398.9	400.1	403.6	410.6	415.8	416.4
167.5°	396.0	397.1	398.2	398.5	399.9	401.8	402.8	405.1	409.7	413.1	413.4
170°	400.1	401.2	402.3	402.5	402.6	402.7	402.8	405.1	409.7	413.1	413.1
172.5°	402.3	402.5	402.7	402.8	402.8	402.8	402.8	404.6	408.2	410.9	410.8
175°	405.2	405.2	405.2	405.2	404.4	403.3	402.8	404.0	406.2	408.0	408.0
177.5°	405.2	405.2	405.2	405.2	404.6	403.8	403.3	404.2	406.1	407.4	407.1
180°	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3
2.5°	3889.2	3878.4	3889.2	3882.0	3885.6	3874.8	3842.5	3831.7	3842.5	3853.3	3853.3
5°	3935.8	3928.7	3935.8	3935.8	3932.2	3925.0	3889.2	3882.0	3889.2	3892.7	3885.6
7.5°	3950.1	3939.4	3950.1	3943.0	3943.0	3935.8	3900.0	3892.7	3896.4	3907.1	3896.4
10°	3950.1	3939.4	3950.1	3946.6	3943.0	3935.8	3900.0	3885.6	3885.6	3896.4	3885.6
12.5°	3932.2	3925.0	3932.2	3925.0	3925.0	3917.9	3882.0	3867.7	3871.2	3874.8	3860.5
15°	3903.5	3892.7	3903.5	3896.4	3900.0	3889.2	3849.7	3835.3	3835.3	3842.5	3817.4
17.5°	3860.5	3846.1	3860.5	3856.9	3853.3	3846.1	3810.3	3795.9	3792.3	3795.9	3778.0
20°	3810.3	3799.5	3810.3	3806.7	3806.7	3792.3	3756.4	3738.5	3738.5	3738.5	3720.6
22.5°	3731.3	3720.6	3731.3	3738.5	3738.5	3734.9	3702.6	3677.5	3670.3	3670.3	3648.8
25°	3641.6	3630.9	3641.6	3641.6	3638.0	3641.6	3630.9	3616.5	3605.7	3594.9	3573.5
27.5°	3555.5	3548.3	3555.5	3548.3	3555.5	3544.7	3541.2	3537.6	3523.2	3512.5	3483.8
30°	3469.4	3462.2	3469.4	3462.2	3455.1	3447.8	3429.9	3422.8	3437.1	3429.9	3383.3
32.5°	3361.8	3354.6	3361.8	3361.8	3354.6	3354.6	3325.9	3315.2	3318.7	3340.2	3297.1
35°	3250.5	3239.8	3250.5	3247.0	3250.5	3239.8	3221.8	3218.2	3203.9	3229.0	3196.8
37.5°	3121.4	3110.6	3121.4	3121.4	3121.4	3128.6	3114.2	3103.4	3081.9	3114.2	3089.1
40°	2988.7	2974.3	2988.7	2985.0	2988.7	2995.8	2988.7	2981.4	2960.0	2985.0	2963.5
42.5°	2838.0	2834.3	2838.0	2841.6	2841.6	2855.9	2866.6	2852.3	2845.1	2827.2	2841.6
45°	2676.5	2669.3	2676.5	2683.7	2687.2	2694.4	2726.7	2726.7	2715.9	2687.2	2708.8
47.5°	2504.3	2486.4	2504.3	2525.9	2525.9	2536.5	2568.8	2594.0	2576.0	2540.2	2550.9
50°	2321.3	2324.9	2321.3	2335.7	2335.7	2375.1	2400.2	2425.4	2443.3	2400.2	2350.0
52.5°	2141.9	2138.4	2141.9	2152.7	2167.0	2185.0	2228.1	2253.1	2281.8	2256.7	2177.8
55°	1962.5	1969.7	1962.5	1966.1	1973.3	1984.0	2048.7	2073.7	2127.6	2095.3	2012.7
57.5°	1783.2	1772.4	1783.2	1790.3	1793.9	1804.6	1858.5	1905.1	1937.4	1941.0	1840.6
60°	1575.1	1560.7	1575.1	1607.3	1614.5	1621.7	1671.9	1715.0	1743.7	1754.5	1650.4
62.5°	1392.0	1367.0	1392.0	1413.6	1428.0	1445.9	1481.7	1546.4	1571.5	1575.1	1428.0
65°	1198.3	1187.6	1198.3	1241.3	1245.0	1266.5	1306.0	1352.6	1406.4	1399.2	1187.6
67.5°	1022.6	1022.6	1022.6	1051.3	1072.7	1083.5	1133.7	1155.3	1223.4	1230.7	990.2
70°	861.1	857.5	861.1	882.6	896.9	922.1	968.7	993.8	1047.6	1065.6	803.7
72.5°	706.8	703.2	706.8	724.8	739.1	760.6	800.1	828.8	875.4	896.9	624.3
75°	570.4	563.3	570.4	584.8	581.2	609.9	642.2	670.9	714.0	728.3	462.8
77.5°	437.7	437.7	437.7	452.0	452.0	480.7	495.1	531.0	556.1	577.7	340.9
80°	326.5	322.9	326.5	330.1	330.1	344.4	369.6	394.7	416.2	416.2	233.2
82.5°	229.6	222.4	229.6	229.6	229.6	236.8	251.2	258.3	272.6	283.4	147.1
85°	143.5	143.5	143.5	147.1	143.5	150.7	154.2	161.5	161.5	154.2	89.7
87.5°	93.3	89.7	93.3	89.7	89.7	86.1	86.1	86.1	82.6	78.9	50.2
90°	10.3	10.3	10.3	10.3	10.3	13.8	18.4	20.6	17.7	11.9	7.6
92.5°	41.5	33.2	41.5	49.6	51.7	73.2	102.0	116.4	102.2	73.8	52.5
95°	144.3	119.4	144.3	169.2	175.4	230.4	303.6	340.3	287.4	181.6	102.3
97.5°	345.8	298.3	345.8	393.1	405.0	439.7	486.0	509.2	421.0	244.6	112.3
100°	498.2	441.7	498.2	554.6	568.7	566.2	562.8	561.1	463.3	267.6	120.7
102.5°	648.0	599.7	648.0	696.3	708.5	664.2	605.3	575.8	476.6	278.1	129.2
105°	839.2	813.2	839.2	865.2	871.7	772.5	640.2	574.1	478.0	285.8	141.7
107.5°	964.4	970.7	964.4	958.1	956.6	818.2	633.7	541.5	456.7	287.3	160.2
110°	1012.2	1039.2	1012.2	985.1	978.3	823.6	617.4	514.3	437.9	285.1	170.5



TEST NUMBER: P934055

CATALOG NUMBER: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1016.4	1058.0	1016.4	974.9	964.4	806.1	595.1	489.6	421.4	285.2	183.0
115°	989.4	1047.1	989.4	931.8	917.4	764.9	561.6	459.9	402.5	287.8	201.9
117.5°	932.3	996.2	932.3	868.4	852.4	714.8	531.3	439.5	390.8	293.2	220.0
120°	886.2	948.3	886.2	824.1	808.6	682.9	515.1	431.3	386.7	297.5	230.6
122.5°	841.4	902.7	841.4	780.1	764.8	651.5	500.6	425.1	384.6	303.8	243.1
125°	777.4	833.8	777.4	721.0	706.8	610.6	482.4	418.3	383.0	312.3	259.2
127.5°	719.9	767.5	719.9	672.3	660.3	577.8	467.6	412.6	382.0	320.7	274.7
130°	686.0	730.0	686.0	642.0	631.0	557.5	459.5	410.4	382.5	326.9	285.0
132.5°	655.2	694.6	655.2	615.9	606.0	540.2	452.4	408.5	383.0	331.8	293.5
135°	613.1	647.0	613.1	579.1	570.6	515.5	442.0	405.2	382.6	337.3	303.2
137.5°	579.2	607.1	579.2	551.4	544.5	497.8	435.7	404.7	385.0	345.4	315.7
140°	556.0	582.0	556.0	530.1	523.5	483.3	429.6	402.8	385.3	350.4	324.2
142.5°	536.9	559.2	536.9	514.5	508.9	473.5	426.3	402.8	386.7	354.6	330.5
145°	508.0	524.9	508.0	491.0	486.8	457.9	419.4	400.1	386.7	360.0	340.0
147.5°	485.9	499.9	485.9	471.9	468.3	445.6	415.3	400.1	389.4	367.9	351.9
150°	472.0	483.3	472.0	460.5	457.7	438.6	412.9	400.1	390.8	372.1	358.2
152.5°	460.0	468.6	460.0	451.5	449.3	432.9	411.0	400.1	391.7	374.8	362.2
155°	446.3	452.0	446.3	440.7	439.3	426.2	408.8	400.1	393.7	380.8	371.2
157.5°	435.6	439.5	435.6	431.5	430.5	420.4	406.9	400.1	395.6	386.9	380.3
160°	429.0	431.3	429.0	426.7	426.1	417.5	405.9	400.1	396.6	389.6	384.3
162.5°	424.8	427.0	424.8	422.6	422.1	414.7	405.0	400.1	397.5	392.5	388.7
165°	418.7	421.0	418.7	416.4	415.8	410.6	403.6	400.1	398.9	396.6	394.9
167.5°	414.3	415.3	414.3	413.4	413.1	409.7	405.1	402.8	401.8	399.9	398.5
170°	413.1	413.1	413.1	413.1	413.1	409.7	405.1	402.8	402.7	402.6	402.5
172.5°	409.9	409.0	409.9	410.8	410.9	408.2	404.6	402.8	402.8	402.8	402.8
175°	408.0	408.0	408.0	408.0	408.0	406.2	404.0	402.8	403.3	404.4	405.2
177.5°	406.2	405.2	406.2	407.1	407.4	406.1	404.2	403.3	403.8	404.6	405.2
180°	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2



TEST NUMBER: P934055
 CATALOG NUMBER: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3
2.5°	3846.1	3824.6	3824.6	3788.7	3774.3	3763.6	3745.6	3691.9	3677.5	3663.1	3684.6
5°	3878.4	3839.0	3810.3	3745.6	3691.9	3670.3	3602.2	3473.0	3386.8	3322.3	3286.5
7.5°	3885.6	3835.3	3781.5	3681.1	3551.9	3494.6	3286.5	3049.7	2985.0	2927.7	2891.7
10°	3878.4	3821.0	3745.6	3594.9	3290.0	3189.5	2981.4	2827.2	2787.7	2776.9	2787.7
12.5°	3853.3	3799.5	3695.4	3444.3	3017.4	2949.2	2827.2	2737.5	2730.3	2748.2	2845.1
15°	3810.3	3760.0	3638.0	3243.4	2866.6	2816.4	2730.3	2698.0	2737.5	2863.0	3153.7
17.5°	3767.2	3709.8	3559.1	3046.0	2751.9	2715.9	2654.9	2719.6	2942.0	3110.6	3207.5
20°	3709.8	3641.6	3469.4	2902.5	2669.3	2637.0	2608.3	2899.0	3067.6	3128.6	3182.4
22.5°	3641.6	3569.9	3347.4	2802.1	2583.2	2558.1	2576.0	2999.4	3067.6	3110.6	3157.3
25°	3551.9	3490.9	3203.9	2723.2	2515.1	2486.4	2554.5	2988.7	3028.1	3038.9	3132.1
27.5°	3469.4	3390.5	3053.2	2651.4	2432.5	2421.8	2572.5	2942.0	2970.7	2981.4	3081.9
30°	3368.9	3250.5	2884.6	2576.0	2346.4	2342.8	2576.0	2884.6	2877.4	2906.1	3006.6
32.5°	3264.9	3042.4	2694.4	2482.8	2263.9	2260.3	2550.9	2798.5	2791.3	2830.8	2906.1
35°	3168.1	2881.0	2436.2	2375.1	2159.9	2163.4	2489.9	2698.0	2701.6	2737.5	2784.1
37.5°	3067.6	2741.1	2152.7	2256.7	2059.4	2059.4	2407.4	2604.8	2597.5	2608.3	2672.9
40°	2949.2	2522.2	1901.6	2102.4	1966.1	1955.3	2307.0	2504.3	2479.1	2475.6	2565.3
42.5°	2823.6	2281.8	1715.0	1897.9	1858.5	1844.1	2185.0	2382.3	2335.7	2346.4	2461.2
45°	2687.2	2217.3	1571.5	1603.8	1747.2	1736.5	2052.2	2242.4	2210.0	2238.8	2357.2
47.5°	2550.9	2088.1	1524.8	1331.0	1628.8	1625.3	1905.1	2106.0	2088.1	2116.8	2242.4
50°	2364.4	1944.6	1521.2	1141.0	1496.1	1510.4	1729.3	1973.3	1973.3	1998.4	2131.1
52.5°	2124.0	1768.8	1381.3	1033.2	1341.8	1384.9	1575.1	1858.5	1865.6	1890.8	2009.2
55°	1905.1	1585.8	1280.8	950.8	1158.9	1252.1	1424.4	1740.1	1754.5	1779.5	1887.2
57.5°	1704.2	1320.3	1259.4	853.9	990.2	1079.9	1291.6	1625.3	1632.5	1654.0	1758.0
60°	1488.9	954.3	1155.3	749.8	843.2	911.3	1169.6	1488.9	1514.1	1528.4	1618.1
62.5°	1245.0	692.4	1047.6	678.1	771.4	785.8	1069.2	1359.7	1392.0	1402.8	1456.7
65°	886.2	581.2	889.8	617.1	696.1	699.6	961.6	1227.0	1255.7	1273.7	1313.1
67.5°	599.1	473.6	678.1	559.7	638.6	642.2	857.5	1072.7	1112.2	1126.6	1151.7
70°	416.2	315.7	502.3	498.7	574.1	581.2	746.3	932.9	968.7	979.5	993.8
72.5°	304.9	254.7	416.2	448.5	505.9	513.0	631.4	775.0	810.8	821.6	828.8
75°	233.2	269.1	337.3	391.0	430.5	434.1	516.7	631.4	656.6	663.8	667.3
77.5°	186.6	251.2	247.6	315.7	351.6	344.4	405.4	488.0	509.4	509.4	509.4
80°	139.9	197.3	186.6	226.0	258.3	251.2	290.6	348.0	355.2	362.3	358.8
82.5°	104.0	125.5	125.5	143.5	172.3	165.0	193.7	226.0	226.0	226.0	233.2
85°	64.5	71.8	57.4	75.3	96.9	93.3	107.6	122.0	125.5	125.5	118.4
87.5°	39.5	32.3	17.9	28.7	43.1	43.1	50.2	53.9	50.2	50.2	50.2
90°	7.1	4.9	2.7	4.9	7.1	7.6	11.9	17.7	20.6	18.4	13.8
92.5°	47.9	29.3	10.9	29.3	47.9	52.5	73.8	102.2	116.4	102.0	73.2
95°	93.8	59.9	26.1	59.9	93.8	102.3	181.6	287.4	340.3	303.6	230.4
97.5°	104.9	75.0	45.2	75.0	104.9	112.3	244.6	421.0	509.2	486.0	439.7
100°	114.0	86.9	59.8	86.9	114.0	120.7	267.6	463.3	561.1	562.8	566.2
102.5°	122.8	97.6	72.3	97.6	122.8	129.2	278.1	476.6	575.8	605.3	664.2
105°	136.3	115.0	93.6	115.0	136.3	141.7	285.8	478.0	574.1	640.2	772.5
107.5°	155.2	135.2	115.3	135.2	155.2	160.2	287.3	456.7	541.5	633.7	818.2
110°	166.0	148.0	130.0	148.0	166.0	170.5	285.1	437.9	514.3	617.4	823.6



TEST NUMBER: P934055

CATALOG NUMBER: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	178.8	161.6	144.5	161.6	178.8	183.0	285.2	421.4	489.6	595.1	806.1
115°	197.9	182.0	166.2	182.0	197.9	201.9	287.8	402.5	459.9	561.6	764.9
117.5°	216.4	202.0	187.6	202.0	216.4	220.0	293.2	390.8	439.5	531.3	714.8
120°	227.3	213.7	200.1	213.7	227.3	230.6	297.5	386.7	431.3	515.1	682.9
122.5°	239.7	226.1	212.4	226.1	239.7	243.1	303.8	384.6	425.1	500.6	651.5
125°	256.2	243.7	231.2	243.7	256.2	259.2	312.3	383.0	418.3	482.4	610.6
127.5°	271.5	259.0	246.4	259.0	271.5	274.7	320.7	382.0	412.6	467.6	577.8
130°	281.7	268.1	254.5	268.1	281.7	285.0	326.9	382.5	410.4	459.5	557.5
132.5°	290.1	276.5	263.0	276.5	290.1	293.5	331.8	383.0	408.5	452.4	540.2
135°	300.2	287.8	275.5	287.8	300.2	303.2	337.3	382.6	405.2	442.0	515.5
137.5°	312.6	300.5	288.3	300.5	312.6	315.7	345.4	385.0	404.7	435.7	497.8
140°	321.4	310.1	298.9	310.1	321.4	324.2	350.4	385.3	402.8	429.6	483.3
142.5°	327.8	317.4	307.0	317.4	327.8	330.5	354.6	386.7	402.8	426.3	473.5
145°	337.7	328.7	319.6	328.7	337.7	340.0	360.0	386.7	400.1	419.4	457.9
147.5°	349.8	340.9	332.1	340.9	349.8	351.9	367.9	389.4	400.1	415.3	445.6
150°	356.2	348.2	340.3	348.2	356.2	358.2	372.1	390.8	400.1	412.9	438.6
152.5°	360.7	354.7	348.7	354.7	360.7	362.2	374.8	391.7	400.1	411.0	432.9
155°	370.1	365.6	361.2	365.6	370.1	371.2	380.8	393.7	400.1	408.8	426.2
157.5°	379.2	374.7	370.4	374.7	379.2	380.3	386.9	395.6	400.1	406.9	420.4
160°	383.5	380.1	376.7	380.1	383.5	384.3	389.6	396.6	400.1	405.9	417.5
162.5°	388.0	385.5	383.0	385.5	388.0	388.7	392.5	397.5	400.1	405.0	414.7
165°	394.4	392.0	389.8	392.0	394.4	394.9	396.6	398.9	400.1	403.6	410.6
167.5°	398.2	397.1	396.0	397.1	398.2	398.5	399.9	401.8	402.8	405.1	409.7
170°	402.3	401.2	400.1	401.2	402.3	402.5	402.6	402.7	402.8	405.1	409.7
172.5°	402.7	402.5	402.3	402.5	402.7	402.8	402.8	402.8	402.8	404.6	408.2
175°	405.2	405.2	405.2	405.2	405.2	405.2	404.4	403.3	402.8	404.0	406.2
177.5°	405.2	405.2	405.2	405.2	405.2	405.2	404.6	403.8	403.3	404.2	406.1
180°	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2



TEST NUMBER: P934055
 CATALOG NUMBER: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3	3792.3
2.5°	3659.6	3648.8	3663.1	3623.6	3663.1	3648.8	3659.6	3684.6	3663.1	3677.5	3691.9
5°	3211.1	3193.1	3135.7	3089.1	3135.7	3193.1	3211.1	3286.5	3322.3	3386.8	3473.0
7.5°	2870.3	2855.9	2841.6	2812.8	2841.6	2855.9	2870.3	2891.7	2927.7	2985.0	3049.7
10°	2794.9	2798.5	2820.0	2816.4	2820.0	2798.5	2794.9	2787.7	2776.9	2787.7	2827.2
12.5°	2988.7	3020.9	3139.3	3132.1	3139.3	3020.9	2988.7	2845.1	2748.2	2730.3	2737.5
15°	3211.1	3221.8	3247.0	3250.5	3247.0	3221.8	3211.1	3153.7	2863.0	2737.5	2698.0
17.5°	3232.6	3236.2	3254.1	3254.1	3254.1	3236.2	3232.6	3207.5	3110.6	2942.0	2719.6
20°	3214.7	3221.8	3257.7	3264.9	3257.7	3221.8	3214.7	3182.4	3128.6	3067.6	2899.0
22.5°	3207.5	3221.8	3250.5	3247.0	3250.5	3221.8	3207.5	3157.3	3110.6	3067.6	2999.4
25°	3171.6	3171.6	3175.2	3178.7	3175.2	3171.6	3171.6	3132.1	3038.9	3028.1	2988.7
27.5°	3096.3	3103.4	3125.0	3121.4	3125.0	3103.4	3096.3	3081.9	2981.4	2970.7	2942.0
30°	3028.1	3020.9	3003.0	2988.7	3003.0	3020.9	3028.1	3006.6	2906.1	2877.4	2884.6
32.5°	2913.3	2895.3	2877.4	2866.6	2877.4	2895.3	2913.3	2906.1	2830.8	2791.3	2798.5
35°	2776.9	2780.6	2776.9	2766.2	2776.9	2780.6	2776.9	2784.1	2737.5	2701.6	2698.0
37.5°	2680.1	2687.2	2683.7	2669.3	2683.7	2687.2	2680.1	2672.9	2608.3	2597.5	2604.8
40°	2579.6	2583.2	2579.6	2568.8	2579.6	2583.2	2579.6	2565.3	2475.6	2479.1	2504.3
42.5°	2482.8	2479.1	2468.4	2461.2	2468.4	2479.1	2482.8	2461.2	2346.4	2335.7	2382.3
45°	2371.5	2375.1	2353.6	2342.8	2353.6	2375.1	2371.5	2357.2	2238.8	2210.0	2242.4
47.5°	2260.3	2260.3	2242.4	2231.6	2242.4	2260.3	2260.3	2242.4	2116.8	2088.1	2106.0
50°	2141.9	2138.4	2113.2	2109.7	2113.2	2138.4	2141.9	2131.1	1998.4	1973.3	1973.3
52.5°	2005.6	2005.6	2009.2	2016.3	2009.2	2005.6	2005.6	2009.2	1890.8	1865.6	1858.5
55°	1887.2	1890.8	1915.9	1923.0	1915.9	1890.8	1887.2	1887.2	1779.5	1754.5	1740.1
57.5°	1765.2	1765.2	1783.2	1783.2	1783.2	1765.2	1765.2	1758.0	1654.0	1632.5	1625.3
60°	1625.3	1632.5	1646.8	1643.2	1646.8	1632.5	1625.3	1618.1	1528.4	1514.1	1488.9
62.5°	1478.1	1485.4	1488.9	1481.7	1488.9	1485.4	1478.1	1456.7	1402.8	1392.0	1359.7
65°	1323.9	1331.0	1334.7	1327.5	1334.7	1331.0	1323.9	1313.1	1273.7	1255.7	1227.0
67.5°	1166.0	1162.4	1158.9	1173.2	1158.9	1162.4	1166.0	1151.7	1126.6	1112.2	1072.7
70°	1004.5	1004.5	1001.0	1008.2	1001.0	1004.5	1004.5	993.8	979.5	968.7	932.9
72.5°	832.4	828.8	843.2	832.4	843.2	828.8	832.4	828.8	821.6	810.8	775.0
75°	663.8	670.9	663.8	674.5	663.8	670.9	663.8	667.3	663.8	656.6	631.4
77.5°	505.9	513.0	505.9	505.9	505.9	513.0	505.9	509.4	509.4	509.4	488.0
80°	358.8	355.2	355.2	351.6	355.2	355.2	358.8	358.8	362.3	355.2	348.0
82.5°	229.6	226.0	226.0	233.2	226.0	226.0	229.6	233.2	226.0	226.0	226.0
85°	125.5	129.2	122.0	122.0	122.0	129.2	125.5	118.4	125.5	125.5	122.0
87.5°	46.6	43.1	43.1	43.1	43.1	43.1	46.6	50.2	50.2	50.2	53.9
90°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	13.8	18.4	20.6	17.7
92.5°	51.7	49.6	41.5	33.2	41.5	49.6	51.7	73.2	102.0	116.4	102.2
95°	175.4	169.2	144.3	119.4	144.3	169.2	175.4	230.4	303.6	340.3	287.4
97.5°	405.0	393.1	345.8	298.3	345.8	393.1	405.0	439.7	486.0	509.2	421.0
100°	568.7	554.6	498.2	441.7	498.2	554.6	568.7	566.2	562.8	561.1	463.3
102.5°	708.5	696.3	648.0	599.7	648.0	696.3	708.5	664.2	605.3	575.8	476.6
105°	871.7	865.2	839.2	813.2	839.2	865.2	871.7	772.5	640.2	574.1	478.0
107.5°	956.6	958.1	964.4	970.7	964.4	958.1	956.6	818.2	633.7	541.5	456.7
110°	978.3	985.1	1012.2	1039.2	1012.2	985.1	978.3	823.6	617.4	514.3	437.9



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	964.4	974.9	1016.4	1058.0	1016.4	974.9	964.4	806.1	595.1	489.6	421.4
115°	917.4	931.8	989.4	1047.1	989.4	931.8	917.4	764.9	561.6	459.9	402.5
117.5°	852.4	868.4	932.3	996.2	932.3	868.4	852.4	714.8	531.3	439.5	390.8
120°	808.6	824.1	886.2	948.3	886.2	824.1	808.6	682.9	515.1	431.3	386.7
122.5°	764.8	780.1	841.4	902.7	841.4	780.1	764.8	651.5	500.6	425.1	384.6
125°	706.8	721.0	777.4	833.8	777.4	721.0	706.8	610.6	482.4	418.3	383.0
127.5°	660.3	672.3	719.9	767.5	719.9	672.3	660.3	577.8	467.6	412.6	382.0
130°	631.0	642.0	686.0	730.0	686.0	642.0	631.0	557.5	459.5	410.4	382.5
132.5°	606.0	615.9	655.2	694.6	655.2	615.9	606.0	540.2	452.4	408.5	383.0
135°	570.6	579.1	613.1	647.0	613.1	579.1	570.6	515.5	442.0	405.2	382.6
137.5°	544.5	551.4	579.2	607.1	579.2	551.4	544.5	497.8	435.7	404.7	385.0
140°	523.5	530.1	556.0	582.0	556.0	530.1	523.5	483.3	429.6	402.8	385.3
142.5°	508.9	514.5	536.9	559.2	536.9	514.5	508.9	473.5	426.3	402.8	386.7
145°	486.8	491.0	508.0	524.9	508.0	491.0	486.8	457.9	419.4	400.1	386.7
147.5°	468.3	471.9	485.9	499.9	485.9	471.9	468.3	445.6	415.3	400.1	389.4
150°	457.7	460.5	472.0	483.3	472.0	460.5	457.7	438.6	412.9	400.1	390.8
152.5°	449.3	451.5	460.0	468.6	460.0	451.5	449.3	432.9	411.0	400.1	391.7
155°	439.3	440.7	446.3	452.0	446.3	440.7	439.3	426.2	408.8	400.1	393.7
157.5°	430.5	431.5	435.6	439.5	435.6	431.5	430.5	420.4	406.9	400.1	395.6
160°	426.1	426.7	429.0	431.3	429.0	426.7	426.1	417.5	405.9	400.1	396.6
162.5°	422.1	422.6	424.8	427.0	424.8	422.6	422.1	414.7	405.0	400.1	397.5
165°	415.8	416.4	418.7	421.0	418.7	416.4	415.8	410.6	403.6	400.1	398.9
167.5°	413.1	413.4	414.3	415.3	414.3	413.4	413.1	409.7	405.1	402.8	401.8
170°	413.1	413.1	413.1	413.1	413.1	413.1	413.1	409.7	405.1	402.8	402.7
172.5°	410.9	410.8	409.9	409.0	409.9	410.8	410.9	408.2	404.6	402.8	402.8
175°	408.0	408.0	408.0	408.0	408.0	408.0	408.0	406.2	404.0	402.8	403.3
177.5°	407.4	407.1	406.2	405.2	406.2	407.1	407.4	406.1	404.2	403.3	403.8
180°	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3792.3	3792.3	3792.3	3792.3	3792.3
2.5°	3745.6	3763.6	3774.3	3788.7	3824.6
5°	3602.2	3670.3	3691.9	3745.6	3810.3
7.5°	3286.5	3494.6	3551.9	3681.1	3781.5
10°	2981.4	3189.5	3290.0	3594.9	3745.6
12.5°	2827.2	2949.2	3017.4	3444.3	3695.4
15°	2730.3	2816.4	2866.6	3243.4	3638.0
17.5°	2654.9	2715.9	2751.9	3046.0	3559.1
20°	2608.3	2637.0	2669.3	2902.5	3469.4
22.5°	2576.0	2558.1	2583.2	2802.1	3347.4
25°	2554.5	2486.4	2515.1	2723.2	3203.9
27.5°	2572.5	2421.8	2432.5	2651.4	3053.2
30°	2576.0	2342.8	2346.4	2576.0	2884.6
32.5°	2550.9	2260.3	2263.9	2482.8	2694.4
35°	2489.9	2163.4	2159.9	2375.1	2436.2
37.5°	2407.4	2059.4	2059.4	2256.7	2152.7
40°	2307.0	1955.3	1966.1	2102.4	1901.6
42.5°	2185.0	1844.1	1858.5	1897.9	1715.0
45°	2052.2	1736.5	1747.2	1603.8	1571.5
47.5°	1905.1	1625.3	1628.8	1331.0	1524.8
50°	1729.3	1510.4	1496.1	1141.0	1521.2
52.5°	1575.1	1384.9	1341.8	1033.2	1381.3
55°	1424.4	1252.1	1158.9	950.8	1280.8
57.5°	1291.6	1079.9	990.2	853.9	1259.4
60°	1169.6	911.3	843.2	749.8	1155.3
62.5°	1069.2	785.8	771.4	678.1	1047.6
65°	961.6	699.6	696.1	617.1	889.8
67.5°	857.5	642.2	638.6	559.7	678.1
70°	746.3	581.2	574.1	498.7	502.3
72.5°	631.4	513.0	505.9	448.5	416.2
75°	516.7	434.1	430.5	391.0	337.3
77.5°	405.4	344.4	351.6	315.7	247.6
80°	290.6	251.2	258.3	226.0	186.6
82.5°	193.7	165.0	172.3	143.5	125.5
85°	107.6	93.3	96.9	75.3	57.4
87.5°	50.2	43.1	43.1	28.7	17.9
90°	11.9	7.6	7.1	4.9	2.7
92.5°	73.8	52.5	47.9	29.3	10.9
95°	181.6	102.3	93.8	59.9	26.1
97.5°	244.6	112.3	104.9	75.0	45.2
100°	267.6	120.7	114.0	86.9	59.8
102.5°	278.1	129.2	122.8	97.6	72.3
105°	285.8	141.7	136.3	115.0	93.6
107.5°	287.3	160.2	155.2	135.2	115.3
110°	285.1	170.5	166.0	148.0	130.0



TEST NUMBER: P934055

CATALOG NUMBER: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	285.2	183.0	178.8	161.6	144.5
115°	287.8	201.9	197.9	182.0	166.2
117.5°	293.2	220.0	216.4	202.0	187.6
120°	297.5	230.6	227.3	213.7	200.1
122.5°	303.8	243.1	239.7	226.1	212.4
125°	312.3	259.2	256.2	243.7	231.2
127.5°	320.7	274.7	271.5	259.0	246.4
130°	326.9	285.0	281.7	268.1	254.5
132.5°	331.8	293.5	290.1	276.5	263.0
135°	337.3	303.2	300.2	287.8	275.5
137.5°	345.4	315.7	312.6	300.5	288.3
140°	350.4	324.2	321.4	310.1	298.9
142.5°	354.6	330.5	327.8	317.4	307.0
145°	360.0	340.0	337.7	328.7	319.6
147.5°	367.9	351.9	349.8	340.9	332.1
150°	372.1	358.2	356.2	348.2	340.3
152.5°	374.8	362.2	360.7	354.7	348.7
155°	380.8	371.2	370.1	365.6	361.2
157.5°	386.9	380.3	379.2	374.7	370.4
160°	389.6	384.3	383.5	380.1	376.7
162.5°	392.5	388.7	388.0	385.5	383.0
165°	396.6	394.9	394.4	392.0	389.8
167.5°	399.9	398.5	398.2	397.1	396.0
170°	402.6	402.5	402.3	401.2	400.1
172.5°	402.8	402.8	402.7	402.5	402.3
175°	404.4	405.2	405.2	405.2	405.2
177.5°	404.6	405.2	405.2	405.2	405.2
180°	405.2	405.2	405.2	405.2	405.2



TEST NUMBER: P934055
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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	15.70	16.90	16.36	17.58	18.37	18.55	19.75	19.21	20.43	21.22
	3H	16.20	17.28	16.88	17.97	18.79	19.93	21.01	20.60	21.69	22.52
	4H	16.41	17.42	17.10	18.12	18.96	20.39	21.41	21.09	22.11	22.94
	6H	16.54	17.48	17.25	18.19	19.04	20.70	21.64	21.41	22.35	23.20
	8H	16.56	17.45	17.27	18.18	19.03	20.79	21.68	21.51	22.41	23.26
	12H	16.54	17.39	17.26	18.11	18.99	20.84	21.69	21.57	22.42	23.30
4H	2H	16.78	17.79	17.48	18.49	19.33	19.00	20.02	19.70	20.72	21.55
	3H	17.84	18.68	18.55	19.42	20.27	20.54	21.39	21.25	22.13	22.98
	4H	18.13	18.89	18.85	19.63	20.52	21.09	21.86	21.82	22.60	23.48
	6H	18.27	18.94	19.02	19.70	20.59	21.48	22.15	22.23	22.91	23.80
	8H	18.28	18.91	19.03	19.67	20.57	21.60	22.22	22.35	22.98	23.88
	12H	18.27	18.83	19.04	19.61	20.52	21.67	22.23	22.44	23.02	23.93
8H	4H	18.61	19.23	19.36	19.99	20.90	21.24	21.86	21.99	22.62	23.53
	6H	18.89	19.40	19.67	20.20	21.11	21.70	22.21	22.48	23.02	23.92
	8H	18.93	19.39	19.72	20.19	21.12	21.85	22.31	22.65	23.12	24.04
	12H	18.93	19.34	19.73	20.13	21.11	21.97	22.38	22.77	23.17	24.15
12H	4H	18.63	19.19	19.40	19.98	20.89	21.22	21.78	21.99	22.56	23.47
	6H	18.95	19.41	19.74	20.21	21.13	21.70	22.16	22.49	22.96	23.88
	8H	19.03	19.44	19.83	20.23	21.21	21.88	22.28	22.67	23.07	24.06