

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: P934053

Luminaire Tested: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934053
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-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

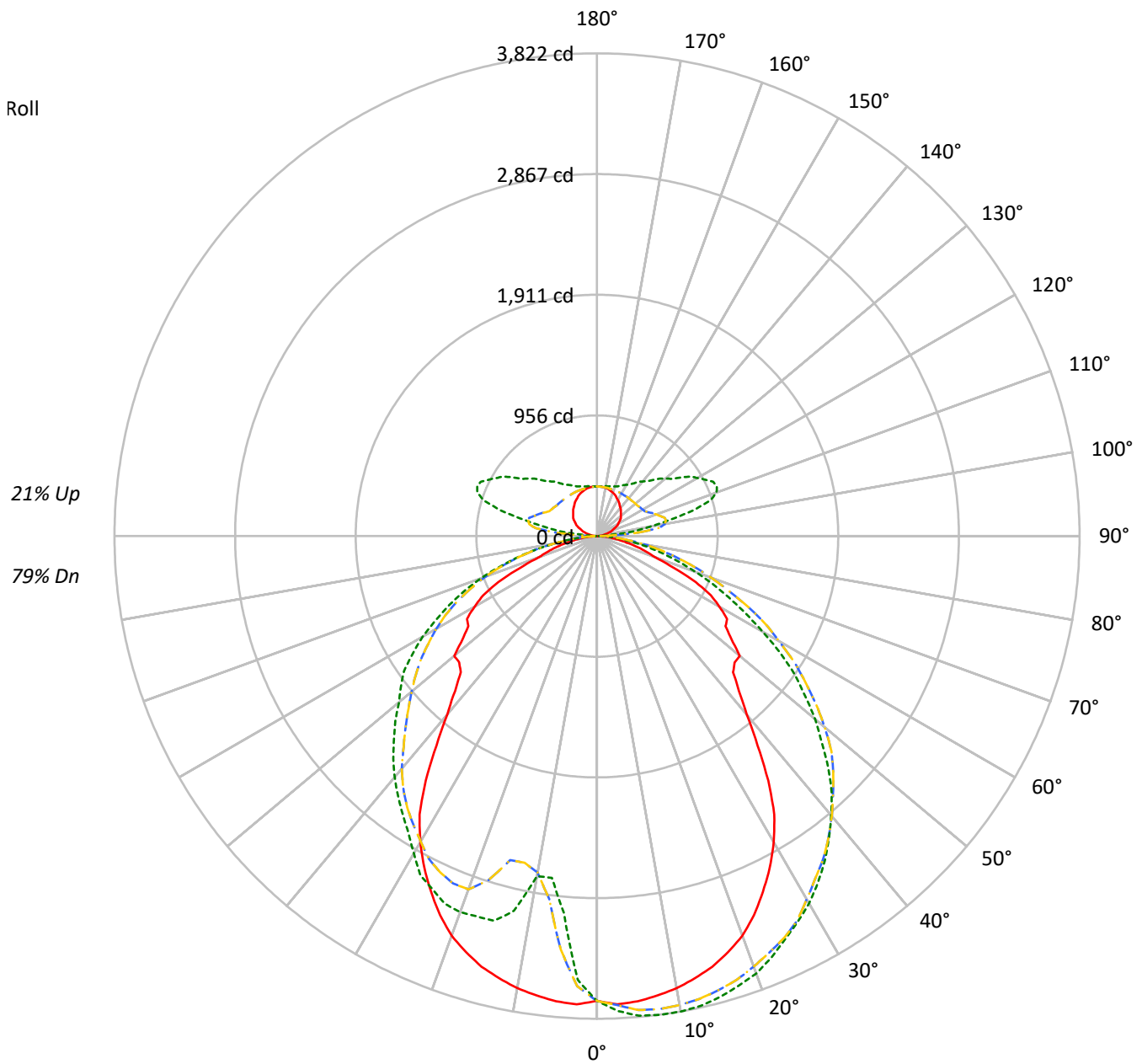
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12091.6 lumens
Efficiency: N/A
Efficacy: 103.9 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°	11382	11382	11382	11382
5°	11471	11490	11471	9034
10°	11398	11318	11398	8091
15°	11279	11072	11279	9246
20°	11047	10782	11047	9265
25°	10569	10358	10569	9068
30°	9949	10007	9949	8638
35°	8874	9561	8874	8164
40°	7398	9038	7398	7806
45°	6615	8425	6615	7394
50°	7033	7694	7033	6982
55°	6623	6906	6623	6742
60°	6836	5865	6836	6175
65°	6208	4848	6208	5420
70°	4309	3864	4309	4543
75°	3793	2856	3793	3420
80°	3079	1888	3079	2056
85°	1805	1000	1805	850

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10132 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.2	2.7
10°-20°	943.1	7.8
20°-30°	1457.9	12.1
30°-40°	1740.4	14.4
40°-50°	1750.6	14.5
50°-60°	1523.2	12.6
60°-70°	1080.0	8.9
70°-80°	571.4	4.7
80°-90°	143.8	1.2
90°-100°	191.7	1.6
100°-110°	503.9	4.2
110°-120°	522.5	4.3
120°-130°	419.1	3.5
130°-140°	328.9	2.7
140°-150°	252.4	2.1
150°-160°	181.8	1.5
160°-170°	111.2	0.9
170°-180°	37.6	0.3
0°-30°	2733.1	22.6
0°-40°	4473.5	37.0
0°-60°	7747.3	64.1
0°-90°	9542.5	78.9
90°-120°	1218.1	10.1
90°-150°	2218.5	18.3
90°-180°	2549.0	21.1
0°-180°	12091.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3680	3680	3680	3680	3680	
5°	3697	3812	3697	2998	3697	351
15°	3530	3777	3530	3154	3530	993
25°	3109	3523	3109	3084	3109	1427
35°	2364	3144	2364	2684	2364	1462
45°	1525	2590	1525	2273	1525	1221
55°	1243	1911	1243	1866	1243	1142
65°	863	1152	863	1288	863	825
75°	327	547	327	654	327	344
85°	56	139	56	118	56	75
90°	3	10	3	10	3	5
95°	25	116	25	116	25	28
105°	91	789	91	789	91	96
115°	161	1016	161	1016	161	159
125°	224	809	224	809	224	199
135°	267	628	267	628	267	207
145°	310	509	310	509	310	194
155°	350	439	350	439	350	161
165°	378	408	378	408	378	107
175°	393	396	393	396	393	37
180°	393	393	393	393	393	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7
2.5°	3711.1	3711.1	3732.0	3738.9	3738.9	3728.5	3718.0	3728.5	3759.8	3770.3	3766.8
5°	3697.2	3725.1	3763.3	3770.3	3777.2	3773.8	3766.8	3773.8	3808.6	3815.5	3819.0
7.5°	3669.3	3721.5	3770.3	3780.7	3791.2	3780.7	3777.2	3784.2	3819.0	3826.0	3826.0
10°	3634.5	3707.7	3763.3	3770.3	3780.7	3770.3	3770.3	3784.2	3819.0	3826.0	3829.5
12.5°	3585.8	3686.8	3738.9	3746.0	3759.8	3756.3	3752.9	3766.8	3801.6	3808.6	3808.6
15°	3530.1	3648.5	3697.2	3704.1	3728.5	3721.5	3721.5	3735.5	3773.8	3784.2	3780.7
17.5°	3453.5	3599.7	3655.4	3665.9	3683.2	3679.7	3683.2	3697.2	3732.0	3738.9	3742.4
20°	3366.4	3533.6	3599.7	3610.2	3627.6	3627.6	3627.6	3644.9	3679.7	3693.7	3693.7
22.5°	3248.0	3463.9	3533.6	3540.5	3561.4	3561.4	3568.4	3592.7	3624.0	3627.6	3627.6
25°	3108.8	3387.3	3446.5	3467.4	3488.3	3498.7	3509.2	3523.1	3533.6	3530.1	3533.6
27.5°	2962.6	3289.9	3366.4	3380.4	3408.2	3418.7	3432.6	3436.1	3439.5	3450.0	3443.0
30°	2799.0	3154.1	3268.9	3282.9	3328.1	3335.1	3321.2	3328.1	3345.5	3352.6	3359.5
32.5°	2614.4	2952.1	3168.0	3199.3	3241.1	3220.2	3216.8	3227.2	3255.1	3255.1	3262.0
35°	2363.9	2795.5	3074.1	3101.9	3133.2	3108.8	3122.7	3126.2	3143.6	3154.1	3150.6
37.5°	2088.8	2659.8	2976.6	2997.5	3021.8	2990.4	3011.3	3021.8	3035.8	3028.7	3028.7
40°	1845.1	2447.4	2861.7	2875.6	2896.5	2872.1	2892.9	2900.0	2906.9	2900.0	2896.5
42.5°	1664.1	2214.1	2739.8	2757.3	2743.3	2760.7	2767.6	2781.6	2771.1	2757.3	2757.3
45°	1524.8	2151.5	2607.5	2628.4	2607.5	2635.3	2645.8	2645.8	2614.4	2607.5	2604.1
47.5°	1479.6	2026.2	2475.2	2475.2	2464.8	2499.6	2517.0	2492.6	2461.3	2450.9	2450.9
50°	1476.1	1886.9	2294.2	2280.2	2329.0	2370.8	2353.4	2329.0	2304.7	2266.4	2266.4
52.5°	1340.3	1716.3	2060.9	2113.2	2189.8	2214.1	2186.3	2161.9	2120.1	2102.7	2088.8
55°	1242.8	1538.8	1848.6	1953.0	2033.1	2064.4	2012.2	1987.9	1925.1	1914.7	1907.8
57.5°	1222.0	1281.1	1653.7	1785.9	1883.4	1879.9	1848.6	1803.3	1751.1	1740.7	1737.2
60°	1121.0	926.0	1444.7	1601.4	1702.4	1692.0	1664.1	1622.3	1573.6	1566.6	1559.6
62.5°	1016.5	671.9	1208.0	1385.6	1528.3	1524.8	1500.5	1437.8	1403.0	1385.6	1371.6
65°	863.4	564.0	859.9	1152.3	1357.7	1364.7	1312.4	1267.2	1228.9	1208.0	1204.5
67.5°	657.9	459.5	581.3	960.9	1194.1	1187.1	1121.0	1100.1	1051.3	1040.9	1020.1
70°	487.4	306.4	403.8	779.8	1033.9	1016.5	964.3	940.0	894.7	870.3	856.4
72.5°	403.8	247.2	295.9	605.8	870.3	849.4	804.2	776.3	738.0	717.1	703.3
75°	327.3	261.1	226.3	449.1	706.7	692.8	651.0	623.2	591.8	564.0	567.5
77.5°	240.2	243.7	181.0	330.8	560.5	539.6	515.2	480.4	466.5	438.6	438.6
80°	181.0	191.5	135.8	226.3	403.8	403.8	382.9	358.6	334.2	320.3	320.3
82.5°	121.8	121.8	100.9	142.7	275.0	264.5	250.7	243.7	229.8	222.8	222.8
85°	55.7	69.6	62.6	87.0	149.7	156.7	156.7	149.7	146.2	139.2	142.7
87.5°	17.4	31.4	38.3	48.7	76.6	80.1	83.5	83.5	83.5	87.0	87.0
90°	2.6	4.7	6.9	7.4	11.6	17.2	20.0	17.8	13.4	10.0	10.0
92.5°	10.5	28.5	46.5	50.9	71.6	99.2	112.9	99.0	71.1	50.2	48.1
95°	25.3	58.1	91.0	99.2	176.2	278.9	330.2	294.6	223.5	170.2	164.2
97.5°	43.8	72.8	101.8	109.0	237.3	408.5	494.0	471.6	426.7	393.0	381.4
100°	58.1	84.3	110.6	117.2	259.6	449.5	544.5	546.1	549.4	551.8	538.1
102.5°	70.2	94.7	119.2	125.3	269.8	462.4	558.7	587.3	644.5	687.4	675.7
105°	90.8	111.5	132.3	137.5	277.4	463.8	557.1	621.2	749.5	845.8	839.5
107.5°	111.9	131.2	150.6	155.5	278.8	443.2	525.4	614.9	793.9	928.2	929.7
110°	126.1	143.6	161.1	165.5	276.7	424.9	499.1	599.1	799.2	949.3	955.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	140.2	156.8	173.5	177.6	276.8	408.9	475.1	577.5	782.2	935.8	945.9
115°	161.3	176.6	192.0	195.9	279.3	390.6	446.3	544.9	742.2	890.2	904.1
117.5°	182.1	196.0	210.0	213.5	284.5	379.2	426.5	515.6	693.6	827.1	842.6
120°	194.2	207.4	220.5	223.8	288.7	375.2	418.5	499.8	662.6	784.6	799.7
122.5°	206.1	219.4	232.6	235.9	294.8	373.2	412.5	485.7	632.2	742.1	756.9
125°	224.3	236.4	248.6	251.5	303.0	371.6	405.9	468.0	592.5	685.9	699.6
127.5°	239.1	251.3	263.5	266.6	311.2	370.6	400.3	453.7	560.6	640.7	652.3
130°	247.0	260.2	273.3	276.6	317.2	371.2	398.2	445.8	540.9	612.3	623.0
132.5°	255.2	268.3	281.5	284.7	322.0	371.6	396.4	439.0	524.2	588.0	597.6
135°	267.4	279.3	291.2	294.2	327.3	371.3	393.2	428.9	500.2	553.7	561.9
137.5°	279.7	291.6	303.4	306.4	335.2	373.5	392.7	422.8	483.1	528.3	535.1
140°	290.0	300.9	311.9	314.6	340.0	373.9	390.8	416.8	468.9	508.0	514.3
142.5°	297.9	308.0	318.1	320.7	344.0	375.2	390.8	413.7	459.4	493.8	499.2
145°	310.1	318.9	327.7	329.9	349.3	375.2	388.2	406.9	444.3	472.4	476.5
147.5°	322.2	330.8	339.4	341.5	357.0	377.8	388.2	403.0	432.4	454.4	457.9
150°	330.2	337.9	345.6	347.5	361.1	379.2	388.2	400.7	425.5	444.2	446.9
152.5°	338.3	344.2	350.0	351.5	363.7	380.0	388.2	398.8	420.1	436.0	438.1
155°	350.4	354.7	359.1	360.2	369.5	382.0	388.2	396.6	413.6	426.2	427.6
157.5°	359.4	363.6	367.9	369.0	375.4	383.9	388.2	394.8	407.9	417.7	418.7
160°	365.5	368.8	372.1	372.9	378.0	384.8	388.2	393.8	405.1	413.5	414.0
162.5°	371.6	374.1	376.5	377.1	380.8	385.7	388.2	393.0	402.4	409.6	410.1
165°	378.2	380.4	382.7	383.2	384.9	387.1	388.2	391.6	398.4	403.5	404.0
167.5°	384.3	385.3	386.4	386.6	388.0	389.9	390.8	393.0	397.5	400.9	401.1
170°	388.2	389.3	390.3	390.6	390.7	390.8	390.8	393.0	397.5	400.9	400.9
172.5°	390.3	390.6	390.8	390.8	390.8	390.8	390.8	392.6	396.1	398.7	398.6
175°	393.2	393.2	393.2	393.2	392.4	391.4	390.8	392.0	394.2	395.9	395.9
177.5°	393.2	393.2	393.2	393.2	392.6	391.8	391.4	392.2	394.0	395.3	395.1
180°	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7
2.5°	3773.8	3763.3	3773.8	3766.8	3770.3	3759.8	3728.5	3718.0	3728.5	3738.9	3738.9
5°	3819.0	3812.1	3819.0	3819.0	3815.5	3808.6	3773.8	3766.8	3773.8	3777.2	3770.3
7.5°	3832.9	3822.5	3832.9	3826.0	3826.0	3819.0	3784.2	3777.2	3780.7	3791.2	3780.7
10°	3832.9	3822.5	3832.9	3829.5	3826.0	3819.0	3784.2	3770.3	3770.3	3780.7	3770.3
12.5°	3815.5	3808.6	3815.5	3808.6	3808.6	3801.6	3766.8	3752.9	3756.3	3759.8	3746.0
15°	3787.7	3777.2	3787.7	3780.7	3784.2	3773.8	3735.5	3721.5	3721.5	3728.5	3704.1
17.5°	3746.0	3732.0	3746.0	3742.4	3738.9	3732.0	3697.2	3683.2	3679.7	3683.2	3665.9
20°	3697.2	3686.8	3697.2	3693.7	3693.7	3679.7	3644.9	3627.6	3627.6	3627.6	3610.2
22.5°	3620.6	3610.2	3620.6	3627.6	3627.6	3624.0	3592.7	3568.4	3561.4	3561.4	3540.5
25°	3533.6	3523.1	3533.6	3533.6	3530.1	3533.6	3523.1	3509.2	3498.7	3488.3	3467.4
27.5°	3450.0	3443.0	3450.0	3443.0	3450.0	3439.5	3436.1	3432.6	3418.7	3408.2	3380.4
30°	3366.4	3359.5	3366.4	3359.5	3352.6	3345.5	3328.1	3321.2	3335.1	3328.1	3282.9
32.5°	3262.0	3255.1	3262.0	3262.0	3255.1	3255.1	3227.2	3216.8	3220.2	3241.1	3199.3
35°	3154.1	3143.6	3154.1	3150.6	3154.1	3143.6	3126.2	3122.7	3108.8	3133.2	3101.9
37.5°	3028.7	3018.3	3028.7	3028.7	3028.7	3035.8	3021.8	3011.3	2990.4	3021.8	2997.5
40°	2900.0	2886.0	2900.0	2896.5	2900.0	2906.9	2900.0	2892.9	2872.1	2896.5	2875.6
42.5°	2753.7	2750.2	2753.7	2757.3	2757.3	2771.1	2781.6	2767.6	2760.7	2743.3	2757.3
45°	2597.0	2590.1	2597.0	2604.1	2607.5	2614.4	2645.8	2645.8	2635.3	2607.5	2628.4
47.5°	2430.0	2412.6	2430.0	2450.9	2450.9	2461.3	2492.6	2517.0	2499.6	2464.8	2475.2
50°	2252.4	2255.9	2252.4	2266.4	2266.4	2304.7	2329.0	2353.4	2370.8	2329.0	2280.2
52.5°	2078.3	2074.9	2078.3	2088.8	2102.7	2120.1	2161.9	2186.3	2214.1	2189.8	2113.2
55°	1904.2	1911.3	1904.2	1907.8	1914.7	1925.1	1987.9	2012.2	2064.4	2033.1	1953.0
57.5°	1730.3	1719.8	1730.3	1737.2	1740.7	1751.1	1803.3	1848.6	1879.9	1883.4	1785.9
60°	1528.3	1514.4	1528.3	1559.6	1566.6	1573.6	1622.3	1664.1	1692.0	1702.4	1601.4
62.5°	1350.7	1326.4	1350.7	1371.6	1385.6	1403.0	1437.8	1500.5	1524.8	1528.3	1385.6
65°	1162.8	1152.3	1162.8	1204.5	1208.0	1228.9	1267.2	1312.4	1364.7	1357.7	1152.3
67.5°	992.2	992.2	992.2	1020.1	1040.9	1051.3	1100.1	1121.0	1187.1	1194.1	960.9
70°	835.5	832.0	835.5	856.4	870.3	894.7	940.0	964.3	1016.5	1033.9	779.8
72.5°	685.9	682.4	685.9	703.3	717.1	738.0	776.3	804.2	849.4	870.3	605.8
75°	553.5	546.6	553.5	567.5	564.0	591.8	623.2	651.0	692.8	706.7	449.1
77.5°	424.7	424.7	424.7	438.6	438.6	466.5	480.4	515.2	539.6	560.5	330.8
80°	316.8	313.3	316.8	320.3	320.3	334.2	358.6	382.9	403.8	403.8	226.3
82.5°	222.8	215.8	222.8	222.8	222.8	229.8	243.7	250.7	264.5	275.0	142.7
85°	139.2	139.2	139.2	142.7	139.2	146.2	149.7	156.7	156.7	149.7	87.0
87.5°	90.6	87.0	90.6	87.0	87.0	83.5	83.5	83.5	80.1	76.6	48.7
90°	10.0	10.0	10.0	10.0	10.0	13.4	17.8	20.0	17.2	11.6	7.4
92.5°	40.2	32.2	40.2	48.1	50.2	71.1	99.0	112.9	99.2	71.6	50.9
95°	140.0	115.8	140.0	164.2	170.2	223.5	294.6	330.2	278.9	176.2	99.2
97.5°	335.5	289.5	335.5	381.4	393.0	426.7	471.6	494.0	408.5	237.3	109.0
100°	483.4	428.6	483.4	538.1	551.8	549.4	546.1	544.5	449.5	259.6	117.2
102.5°	628.8	581.9	628.8	675.7	687.4	644.5	587.3	558.7	462.4	269.8	125.3
105°	814.3	789.1	814.3	839.5	845.8	749.5	621.2	557.1	463.8	277.4	137.5
107.5°	935.8	941.9	935.8	929.7	928.2	793.9	614.9	525.4	443.2	278.8	155.5
110°	982.1	1008.4	982.1	955.9	949.3	799.2	599.1	499.1	424.9	276.7	165.5



TEST NUMBER: P934053

CATALOG NUMBER: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	986.2	1026.6	986.2	945.9	935.8	782.2	577.5	475.1	408.9	276.8	177.6
115°	960.1	1016.0	960.1	904.1	890.2	742.2	544.9	446.3	390.6	279.3	195.9
117.5°	904.7	966.7	904.7	842.6	827.1	693.6	515.6	426.5	379.2	284.5	213.5
120°	859.9	920.2	859.9	799.7	784.6	662.6	499.8	418.5	375.2	288.7	223.8
122.5°	816.5	875.9	816.5	756.9	742.1	632.2	485.7	412.5	373.2	294.8	235.9
125°	754.3	809.1	754.3	699.6	685.9	592.5	468.0	405.9	371.6	303.0	251.5
127.5°	698.5	744.7	698.5	652.3	640.7	560.6	453.7	400.3	370.6	311.2	266.6
130°	665.7	708.3	665.7	623.0	612.3	540.9	445.8	398.2	371.2	317.2	276.6
132.5°	635.8	674.0	635.8	597.6	588.0	524.2	439.0	396.4	371.6	322.0	284.7
135°	594.9	627.8	594.9	561.9	553.7	500.2	428.9	393.2	371.3	327.3	294.2
137.5°	562.0	589.1	562.0	535.1	528.3	483.1	422.8	392.7	373.5	335.2	306.4
140°	539.5	564.7	539.5	514.3	508.0	468.9	416.8	390.8	373.9	340.0	314.6
142.5°	520.9	542.6	520.9	499.2	493.8	459.4	413.7	390.8	375.2	344.0	320.7
145°	492.9	509.3	492.9	476.5	472.4	444.3	406.9	388.2	375.2	349.3	329.9
147.5°	471.5	485.1	471.5	457.9	454.4	432.4	403.0	388.2	377.8	357.0	341.5
150°	457.9	468.9	457.9	446.9	444.2	425.5	400.7	388.2	379.2	361.1	347.5
152.5°	446.4	454.7	446.4	438.1	436.0	420.1	398.8	388.2	380.0	363.7	351.5
155°	433.1	438.6	433.1	427.6	426.2	413.6	396.6	388.2	382.0	369.5	360.2
157.5°	422.6	426.5	422.6	418.7	417.7	407.9	394.8	388.2	383.9	375.4	369.0
160°	416.3	418.5	416.3	414.0	413.5	405.1	393.8	388.2	384.8	378.0	372.9
162.5°	412.2	414.3	412.2	410.1	409.6	402.4	393.0	388.2	385.7	380.8	377.1
165°	406.3	408.5	406.3	404.0	403.5	398.4	391.6	388.2	387.1	384.9	383.2
167.5°	402.0	403.0	402.0	401.1	400.9	397.5	393.0	390.8	389.9	388.0	386.6
170°	400.9	400.9	400.9	400.9	400.9	397.5	393.0	390.8	390.8	390.7	390.6
172.5°	397.7	396.9	397.7	398.6	398.7	396.1	392.6	390.8	390.8	390.8	390.8
175°	395.9	395.9	395.9	395.9	395.9	394.2	392.0	390.8	391.4	392.4	393.2
177.5°	394.2	393.2	394.2	395.1	395.3	394.0	392.2	391.4	391.8	392.6	393.2
180°	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2



TEST NUMBER: P934053

CATALOG NUMBER: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7
2.5°	3732.0	3711.1	3711.1	3676.3	3662.3	3651.9	3634.5	3582.3	3568.4	3554.4	3575.3
5°	3763.3	3725.1	3697.2	3634.5	3582.3	3561.4	3495.3	3370.0	3286.3	3223.7	3188.9
7.5°	3770.3	3721.5	3669.3	3571.9	3446.5	3390.9	3188.9	2959.2	2896.5	2840.8	2805.9
10°	3763.3	3707.7	3634.5	3488.3	3192.4	3094.9	2892.9	2743.3	2705.0	2694.5	2705.0
12.5°	3738.9	3686.8	3585.8	3342.1	2927.8	2861.7	2743.3	2656.2	2649.3	2666.7	2760.7
15°	3697.2	3648.5	3530.1	3147.1	2781.6	2732.8	2649.3	2618.0	2656.2	2778.1	3060.1
17.5°	3655.4	3599.7	3453.5	2955.7	2670.2	2635.3	2576.1	2638.9	2854.7	3018.3	3112.3
20°	3599.7	3533.6	3366.4	2816.4	2590.1	2558.8	2530.9	2812.9	2976.6	3035.8	3087.9
22.5°	3533.6	3463.9	3248.0	2719.0	2506.6	2482.2	2499.6	2910.4	2976.6	3018.3	3063.6
25°	3446.5	3387.3	3108.8	2642.4	2440.4	2412.6	2478.7	2900.0	2938.3	2948.7	3039.2
27.5°	3366.4	3289.9	2962.6	2572.7	2360.3	2349.9	2496.1	2854.7	2882.6	2892.9	2990.4
30°	3268.9	3154.1	2799.0	2499.6	2276.8	2273.3	2499.6	2799.0	2792.0	2819.9	2917.4
32.5°	3168.0	2952.1	2614.4	2409.1	2196.7	2193.2	2475.2	2715.4	2708.5	2746.8	2819.9
35°	3074.1	2795.5	2363.9	2304.7	2095.8	2099.2	2416.0	2618.0	2621.5	2656.2	2701.5
37.5°	2976.6	2659.8	2088.8	2189.8	1998.3	1998.3	2335.9	2527.5	2520.5	2530.9	2593.6
40°	2861.7	2447.4	1845.1	2040.0	1907.8	1897.3	2238.5	2430.0	2405.6	2402.2	2489.2
42.5°	2739.8	2214.1	1664.1	1841.6	1803.3	1789.4	2120.1	2311.6	2266.4	2276.8	2388.2
45°	2607.5	2151.5	1524.8	1556.2	1695.4	1684.9	1991.3	2175.8	2144.5	2172.4	2287.3
47.5°	2475.2	2026.2	1479.6	1291.5	1580.5	1577.1	1848.6	2043.5	2026.2	2054.0	2175.8
50°	2294.2	1886.9	1476.1	1107.1	1451.7	1465.6	1678.0	1914.7	1914.7	1939.1	2067.9
52.5°	2060.9	1716.3	1340.3	1002.6	1302.0	1343.8	1528.3	1803.3	1810.3	1834.7	1949.6
55°	1848.6	1538.8	1242.8	922.6	1124.5	1215.0	1382.1	1688.4	1702.4	1726.7	1831.2
57.5°	1653.7	1281.1	1222.0	828.6	960.9	1047.9	1253.2	1577.1	1584.0	1604.9	1705.8
60°	1444.7	926.0	1121.0	727.6	818.1	884.3	1134.9	1444.7	1469.1	1483.0	1570.1
62.5°	1208.0	671.9	1016.5	657.9	748.5	762.5	1037.4	1319.4	1350.7	1361.2	1413.4
65°	859.9	564.0	863.4	598.8	675.4	678.8	933.0	1190.6	1218.5	1235.9	1274.2
67.5°	581.3	459.5	657.9	543.1	619.6	623.2	832.0	1040.9	1079.2	1093.1	1117.6
70°	403.8	306.4	487.4	483.9	557.0	564.0	724.2	905.2	940.0	950.4	964.3
72.5°	295.9	247.2	403.8	435.2	490.9	497.8	612.7	752.0	786.8	797.2	804.2
75°	226.3	261.1	327.3	379.4	417.7	421.2	501.3	612.7	637.1	644.1	647.5
77.5°	181.0	243.7	240.2	306.4	341.1	334.2	393.4	473.5	494.3	494.3	494.3
80°	135.8	191.5	181.0	219.3	250.7	243.7	282.0	337.7	344.6	351.6	348.2
82.5°	100.9	121.8	121.8	139.2	167.1	160.1	188.0	219.3	219.3	219.3	226.3
85°	62.6	69.6	55.7	73.1	94.0	90.6	104.4	118.4	121.8	121.8	114.9
87.5°	38.3	31.4	17.4	27.8	41.8	41.8	48.7	52.3	48.7	48.7	48.7
90°	6.9	4.7	2.6	4.7	6.9	7.4	11.6	17.2	20.0	17.8	13.4
92.5°	46.5	28.5	10.5	28.5	46.5	50.9	71.6	99.2	112.9	99.0	71.1
95°	91.0	58.1	25.3	58.1	91.0	99.2	176.2	278.9	330.2	294.6	223.5
97.5°	101.8	72.8	43.8	72.8	101.8	109.0	237.3	408.5	494.0	471.6	426.7
100°	110.6	84.3	58.1	84.3	110.6	117.2	259.6	449.5	544.5	546.1	549.4
102.5°	119.2	94.7	70.2	94.7	119.2	125.3	269.8	462.4	558.7	587.3	644.5
105°	132.3	111.5	90.8	111.5	132.3	137.5	277.4	463.8	557.1	621.2	749.5
107.5°	150.6	131.2	111.9	131.2	150.6	155.5	278.8	443.2	525.4	614.9	793.9
110°	161.1	143.6	126.1	143.6	161.1	165.5	276.7	424.9	499.1	599.1	799.2



TEST NUMBER: P934053

CATALOG NUMBER: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	173.5	156.8	140.2	156.8	173.5	177.6	276.8	408.9	475.1	577.5	782.2
115°	192.0	176.6	161.3	176.6	192.0	195.9	279.3	390.6	446.3	544.9	742.2
117.5°	210.0	196.0	182.1	196.0	210.0	213.5	284.5	379.2	426.5	515.6	693.6
120°	220.5	207.4	194.2	207.4	220.5	223.8	288.7	375.2	418.5	499.8	662.6
122.5°	232.6	219.4	206.1	219.4	232.6	235.9	294.8	373.2	412.5	485.7	632.2
125°	248.6	236.4	224.3	236.4	248.6	251.5	303.0	371.6	405.9	468.0	592.5
127.5°	263.5	251.3	239.1	251.3	263.5	266.6	311.2	370.6	400.3	453.7	560.6
130°	273.3	260.2	247.0	260.2	273.3	276.6	317.2	371.2	398.2	445.8	540.9
132.5°	281.5	268.3	255.2	268.3	281.5	284.7	322.0	371.6	396.4	439.0	524.2
135°	291.2	279.3	267.4	279.3	291.2	294.2	327.3	371.3	393.2	428.9	500.2
137.5°	303.4	291.6	279.7	291.6	303.4	306.4	335.2	373.5	392.7	422.8	483.1
140°	311.9	300.9	290.0	300.9	311.9	314.6	340.0	373.9	390.8	416.8	468.9
142.5°	318.1	308.0	297.9	308.0	318.1	320.7	344.0	375.2	390.8	413.7	459.4
145°	327.7	318.9	310.1	318.9	327.7	329.9	349.3	375.2	388.2	406.9	444.3
147.5°	339.4	330.8	322.2	330.8	339.4	341.5	357.0	377.8	388.2	403.0	432.4
150°	345.6	337.9	330.2	337.9	345.6	347.5	361.1	379.2	388.2	400.7	425.5
152.5°	350.0	344.2	338.3	344.2	350.0	351.5	363.7	380.0	388.2	398.8	420.1
155°	359.1	354.7	350.4	354.7	359.1	360.2	369.5	382.0	388.2	396.6	413.6
157.5°	367.9	363.6	359.4	363.6	367.9	369.0	375.4	383.9	388.2	394.8	407.9
160°	372.1	368.8	365.5	368.8	372.1	372.9	378.0	384.8	388.2	393.8	405.1
162.5°	376.5	374.1	371.6	374.1	376.5	377.1	380.8	385.7	388.2	393.0	402.4
165°	382.7	380.4	378.2	380.4	382.7	383.2	384.9	387.1	388.2	391.6	398.4
167.5°	386.4	385.3	384.3	385.3	386.4	386.6	388.0	389.9	390.8	393.0	397.5
170°	390.3	389.3	388.2	389.3	390.3	390.6	390.7	390.8	390.8	393.0	397.5
172.5°	390.8	390.6	390.3	390.6	390.8	390.8	390.8	390.8	390.8	392.6	396.1
175°	393.2	393.2	393.2	393.2	393.2	393.2	392.4	391.4	390.8	392.0	394.2
177.5°	393.2	393.2	393.2	393.2	393.2	393.2	392.6	391.8	391.4	392.2	394.0
180°	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2



TEST NUMBER: P934053

CATALOG NUMBER: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7	3679.7
2.5°	3551.0	3540.5	3554.4	3516.1	3554.4	3540.5	3551.0	3575.3	3554.4	3568.4	3582.3
5°	3115.8	3098.4	3042.7	2997.5	3042.7	3098.4	3115.8	3188.9	3223.7	3286.3	3370.0
7.5°	2785.1	2771.1	2757.3	2729.3	2757.3	2771.1	2785.1	2805.9	2840.8	2896.5	2959.2
10°	2711.9	2715.4	2736.3	2732.8	2736.3	2715.4	2711.9	2705.0	2694.5	2705.0	2743.3
12.5°	2900.0	2931.2	3046.1	3039.2	3046.1	2931.2	2900.0	2760.7	2666.7	2649.3	2656.2
15°	3115.8	3126.2	3150.6	3154.1	3150.6	3126.2	3115.8	3060.1	2778.1	2656.2	2618.0
17.5°	3136.7	3140.2	3157.6	3157.6	3157.6	3140.2	3136.7	3112.3	3018.3	2854.7	2638.9
20°	3119.3	3126.2	3161.0	3168.0	3161.0	3126.2	3119.3	3087.9	3035.8	2976.6	2812.9
22.5°	3112.3	3126.2	3154.1	3150.6	3154.1	3126.2	3112.3	3063.6	3018.3	2976.6	2910.4
25°	3077.5	3077.5	3081.0	3084.4	3081.0	3077.5	3077.5	3039.2	2948.7	2938.3	2900.0
27.5°	3004.4	3011.3	3032.2	3028.7	3032.2	3011.3	3004.4	2990.4	2892.9	2882.6	2854.7
30°	2938.3	2931.2	2913.9	2900.0	2913.9	2931.2	2938.3	2917.4	2819.9	2792.0	2799.0
32.5°	2826.8	2809.4	2792.0	2781.6	2792.0	2809.4	2826.8	2819.9	2746.8	2708.5	2715.4
35°	2694.5	2698.1	2694.5	2684.1	2694.5	2698.1	2694.5	2701.5	2656.2	2621.5	2618.0
37.5°	2600.6	2607.5	2604.1	2590.1	2604.1	2607.5	2600.6	2593.6	2530.9	2520.5	2527.5
40°	2503.1	2506.6	2503.1	2492.6	2503.1	2506.6	2503.1	2489.2	2402.2	2405.6	2430.0
42.5°	2409.1	2405.6	2395.1	2388.2	2395.1	2405.6	2409.1	2388.2	2276.8	2266.4	2311.6
45°	2301.1	2304.7	2283.8	2273.3	2283.8	2304.7	2301.1	2287.3	2172.4	2144.5	2175.8
47.5°	2193.2	2193.2	2175.8	2165.4	2175.8	2193.2	2193.2	2175.8	2054.0	2026.2	2043.5
50°	2078.3	2074.9	2050.5	2047.1	2050.5	2074.9	2078.3	2067.9	1939.1	1914.7	1914.7
52.5°	1946.1	1946.1	1949.6	1956.5	1949.6	1946.1	1946.1	1949.6	1834.7	1810.3	1803.3
55°	1831.2	1834.7	1859.0	1866.0	1859.0	1834.7	1831.2	1831.2	1726.7	1702.4	1688.4
57.5°	1712.8	1712.8	1730.3	1730.3	1730.3	1712.8	1712.8	1705.8	1604.9	1584.0	1577.1
60°	1577.1	1584.0	1597.9	1594.5	1597.9	1584.0	1577.1	1570.1	1483.0	1469.1	1444.7
62.5°	1434.3	1441.3	1444.7	1437.8	1444.7	1441.3	1434.3	1413.4	1361.2	1350.7	1319.4
65°	1284.6	1291.5	1295.1	1288.1	1295.1	1291.5	1284.6	1274.2	1235.9	1218.5	1190.6
67.5°	1131.4	1127.9	1124.5	1138.4	1124.5	1127.9	1131.4	1117.6	1093.1	1079.2	1040.9
70°	974.7	974.7	971.3	978.3	971.3	974.7	974.7	964.3	950.4	940.0	905.2
72.5°	807.7	804.2	818.1	807.7	818.1	804.2	807.7	804.2	797.2	786.8	752.0
75°	644.1	651.0	644.1	654.5	644.1	651.0	644.1	647.5	644.1	637.1	612.7
77.5°	490.9	497.8	490.9	490.9	490.9	497.8	490.9	494.3	494.3	494.3	473.5
80°	348.2	344.6	344.6	341.1	344.6	344.6	348.2	348.2	351.6	344.6	337.7
82.5°	222.8	219.3	219.3	226.3	219.3	219.3	222.8	226.3	219.3	219.3	219.3
85°	121.8	125.3	118.4	118.4	118.4	125.3	121.8	114.9	121.8	121.8	118.4
87.5°	45.2	41.8	41.8	41.8	41.8	41.8	45.2	48.7	48.7	48.7	52.3
90°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.4	17.8	20.0	17.2
92.5°	50.2	48.1	40.2	32.2	40.2	48.1	50.2	71.1	99.0	112.9	99.2
95°	170.2	164.2	140.0	115.8	140.0	164.2	170.2	223.5	294.6	330.2	278.9
97.5°	393.0	381.4	335.5	289.5	335.5	381.4	393.0	426.7	471.6	494.0	408.5
100°	551.8	538.1	483.4	428.6	483.4	538.1	551.8	549.4	546.1	544.5	449.5
102.5°	687.4	675.7	628.8	581.9	628.8	675.7	687.4	644.5	587.3	558.7	462.4
105°	845.8	839.5	814.3	789.1	814.3	839.5	845.8	749.5	621.2	557.1	463.8
107.5°	928.2	929.7	935.8	941.9	935.8	929.7	928.2	793.9	614.9	525.4	443.2
110°	949.3	955.9	982.1	1008.4	982.1	955.9	949.3	799.2	599.1	499.1	424.9



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	935.8	945.9	986.2	1026.6	986.2	945.9	935.8	782.2	577.5	475.1	408.9
115°	890.2	904.1	960.1	1016.0	960.1	904.1	890.2	742.2	544.9	446.3	390.6
117.5°	827.1	842.6	904.7	966.7	904.7	842.6	827.1	693.6	515.6	426.5	379.2
120°	784.6	799.7	859.9	920.2	859.9	799.7	784.6	662.6	499.8	418.5	375.2
122.5°	742.1	756.9	816.5	875.9	816.5	756.9	742.1	632.2	485.7	412.5	373.2
125°	685.9	699.6	754.3	809.1	754.3	699.6	685.9	592.5	468.0	405.9	371.6
127.5°	640.7	652.3	698.5	744.7	698.5	652.3	640.7	560.6	453.7	400.3	370.6
130°	612.3	623.0	665.7	708.3	665.7	623.0	612.3	540.9	445.8	398.2	371.2
132.5°	588.0	597.6	635.8	674.0	635.8	597.6	588.0	524.2	439.0	396.4	371.6
135°	553.7	561.9	594.9	627.8	594.9	561.9	553.7	500.2	428.9	393.2	371.3
137.5°	528.3	535.1	562.0	589.1	562.0	535.1	528.3	483.1	422.8	392.7	373.5
140°	508.0	514.3	539.5	564.7	539.5	514.3	508.0	468.9	416.8	390.8	373.9
142.5°	493.8	499.2	520.9	542.6	520.9	499.2	493.8	459.4	413.7	390.8	375.2
145°	472.4	476.5	492.9	509.3	492.9	476.5	472.4	444.3	406.9	388.2	375.2
147.5°	454.4	457.9	471.5	485.1	471.5	457.9	454.4	432.4	403.0	388.2	377.8
150°	444.2	446.9	457.9	468.9	457.9	446.9	444.2	425.5	400.7	388.2	379.2
152.5°	436.0	438.1	446.4	454.7	446.4	438.1	436.0	420.1	398.8	388.2	380.0
155°	426.2	427.6	433.1	438.6	433.1	427.6	426.2	413.6	396.6	388.2	382.0
157.5°	417.7	418.7	422.6	426.5	422.6	418.7	417.7	407.9	394.8	388.2	383.9
160°	413.5	414.0	416.3	418.5	416.3	414.0	413.5	405.1	393.8	388.2	384.8
162.5°	409.6	410.1	412.2	414.3	412.2	410.1	409.6	402.4	393.0	388.2	385.7
165°	403.5	404.0	406.3	408.5	406.3	404.0	403.5	398.4	391.6	388.2	387.1
167.5°	400.9	401.1	402.0	403.0	402.0	401.1	400.9	397.5	393.0	390.8	389.9
170°	400.9	400.9	400.9	400.9	400.9	400.9	400.9	397.5	393.0	390.8	390.8
172.5°	398.7	398.6	397.7	396.9	397.7	398.6	398.7	396.1	392.6	390.8	390.8
175°	395.9	395.9	395.9	395.9	395.9	395.9	395.9	394.2	392.0	390.8	391.4
177.5°	395.3	395.1	394.2	393.2	394.2	395.1	395.3	394.0	392.2	391.4	391.8
180°	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3679.7	3679.7	3679.7	3679.7	3679.7
2.5°	3634.5	3651.9	3662.3	3676.3	3711.1
5°	3495.3	3561.4	3582.3	3634.5	3697.2
7.5°	3188.9	3390.9	3446.5	3571.9	3669.3
10°	2892.9	3094.9	3192.4	3488.3	3634.5
12.5°	2743.3	2861.7	2927.8	3342.1	3585.8
15°	2649.3	2732.8	2781.6	3147.1	3530.1
17.5°	2576.1	2635.3	2670.2	2955.7	3453.5
20°	2530.9	2558.8	2590.1	2816.4	3366.4
22.5°	2499.6	2482.2	2506.6	2719.0	3248.0
25°	2478.7	2412.6	2440.4	2642.4	3108.8
27.5°	2496.1	2349.9	2360.3	2572.7	2962.6
30°	2499.6	2273.3	2276.8	2499.6	2799.0
32.5°	2475.2	2193.2	2196.7	2409.1	2614.4
35°	2416.0	2099.2	2095.8	2304.7	2363.9
37.5°	2335.9	1998.3	1998.3	2189.8	2088.8
40°	2238.5	1897.3	1907.8	2040.0	1845.1
42.5°	2120.1	1789.4	1803.3	1841.6	1664.1
45°	1991.3	1684.9	1695.4	1556.2	1524.8
47.5°	1848.6	1577.1	1580.5	1291.5	1479.6
50°	1678.0	1465.6	1451.7	1107.1	1476.1
52.5°	1528.3	1343.8	1302.0	1002.6	1340.3
55°	1382.1	1215.0	1124.5	922.6	1242.8
57.5°	1253.2	1047.9	960.9	828.6	1222.0
60°	1134.9	884.3	818.1	727.6	1121.0
62.5°	1037.4	762.5	748.5	657.9	1016.5
65°	933.0	678.8	675.4	598.8	863.4
67.5°	832.0	623.2	619.6	543.1	657.9
70°	724.2	564.0	557.0	483.9	487.4
72.5°	612.7	497.8	490.9	435.2	403.8
75°	501.3	421.2	417.7	379.4	327.3
77.5°	393.4	334.2	341.1	306.4	240.2
80°	282.0	243.7	250.7	219.3	181.0
82.5°	188.0	160.1	167.1	139.2	121.8
85°	104.4	90.6	94.0	73.1	55.7
87.5°	48.7	41.8	41.8	27.8	17.4
90°	11.6	7.4	6.9	4.7	2.6
92.5°	71.6	50.9	46.5	28.5	10.5
95°	176.2	99.2	91.0	58.1	25.3
97.5°	237.3	109.0	101.8	72.8	43.8
100°	259.6	117.2	110.6	84.3	58.1
102.5°	269.8	125.3	119.2	94.7	70.2
105°	277.4	137.5	132.3	111.5	90.8
107.5°	278.8	155.5	150.6	131.2	111.9
110°	276.7	165.5	161.1	143.6	126.1



TEST NUMBER: P934053

CATALOG NUMBER: SQ4-FA-025U-100D-93050-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	276.8	177.6	173.5	156.8	140.2
115°	279.3	195.9	192.0	176.6	161.3
117.5°	284.5	213.5	210.0	196.0	182.1
120°	288.7	223.8	220.5	207.4	194.2
122.5°	294.8	235.9	232.6	219.4	206.1
125°	303.0	251.5	248.6	236.4	224.3
127.5°	311.2	266.6	263.5	251.3	239.1
130°	317.2	276.6	273.3	260.2	247.0
132.5°	322.0	284.7	281.5	268.3	255.2
135°	327.3	294.2	291.2	279.3	267.4
137.5°	335.2	306.4	303.4	291.6	279.7
140°	340.0	314.6	311.9	300.9	290.0
142.5°	344.0	320.7	318.1	308.0	297.9
145°	349.3	329.9	327.7	318.9	310.1
147.5°	357.0	341.5	339.4	330.8	322.2
150°	361.1	347.5	345.6	337.9	330.2
152.5°	363.7	351.5	350.0	344.2	338.3
155°	369.5	360.2	359.1	354.7	350.4
157.5°	375.4	369.0	367.9	363.6	359.4
160°	378.0	372.9	372.1	368.8	365.5
162.5°	380.8	377.1	376.5	374.1	371.6
165°	384.9	383.2	382.7	380.4	378.2
167.5°	388.0	386.6	386.4	385.3	384.3
170°	390.7	390.6	390.3	389.3	388.2
172.5°	390.8	390.8	390.8	390.6	390.3
175°	392.4	393.2	393.2	393.2	393.2
177.5°	392.6	393.2	393.2	393.2	393.2
180°	393.2	393.2	393.2	393.2	393.2



TEST NUMBER: P934053
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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	15.60	16.80	16.26	17.47	18.26	18.45	19.65	19.11	20.32	21.11
	3H	16.10	17.18	16.77	17.86	18.69	19.82	20.90	20.50	21.59	22.41
	4H	16.30	17.32	17.00	18.02	18.85	20.29	21.30	20.98	22.00	22.84
	6H	16.44	17.38	17.15	18.09	18.94	20.60	21.53	21.30	22.24	23.09
	8H	16.45	17.34	17.17	18.07	18.93	20.68	21.58	21.40	22.31	23.16
	12H	16.43	17.29	17.16	18.01	18.89	20.74	21.59	21.46	22.31	23.19
4H	2H	16.67	17.69	17.37	18.39	19.22	18.90	19.91	19.59	20.61	21.45
	3H	17.73	18.58	18.44	19.32	20.17	20.44	21.29	21.15	22.02	22.88
	4H	18.02	18.79	18.75	19.53	20.41	20.99	21.75	21.71	22.49	23.38
	6H	18.17	18.83	18.91	19.60	20.49	21.37	22.04	22.12	22.81	23.70
	8H	18.18	18.80	18.93	19.56	20.47	21.49	22.11	22.24	22.88	23.78
	12H	18.16	18.72	18.93	19.51	20.42	21.57	22.13	22.34	22.91	23.82
8H	4H	18.51	19.13	19.26	19.89	20.79	21.14	21.76	21.89	22.52	23.42
	6H	18.78	19.30	19.56	20.10	21.01	21.59	22.11	22.37	22.91	23.82
	8H	18.83	19.29	19.62	20.09	21.01	21.75	22.21	22.54	23.01	23.93
	12H	18.83	19.23	19.62	20.02	21.00	21.87	22.27	22.66	23.07	24.05
12H	4H	18.53	19.09	19.30	19.87	20.78	21.12	21.68	21.89	22.46	23.37
	6H	18.85	19.31	19.64	20.11	21.03	21.59	22.05	22.38	22.85	23.78
	8H	18.93	19.33	19.72	20.13	21.11	21.77	22.18	22.57	22.97	23.95