

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: P934967

Luminaire Tested: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934967
REPORT IS A COMBINATION OF REPORTS P933720 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-8-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

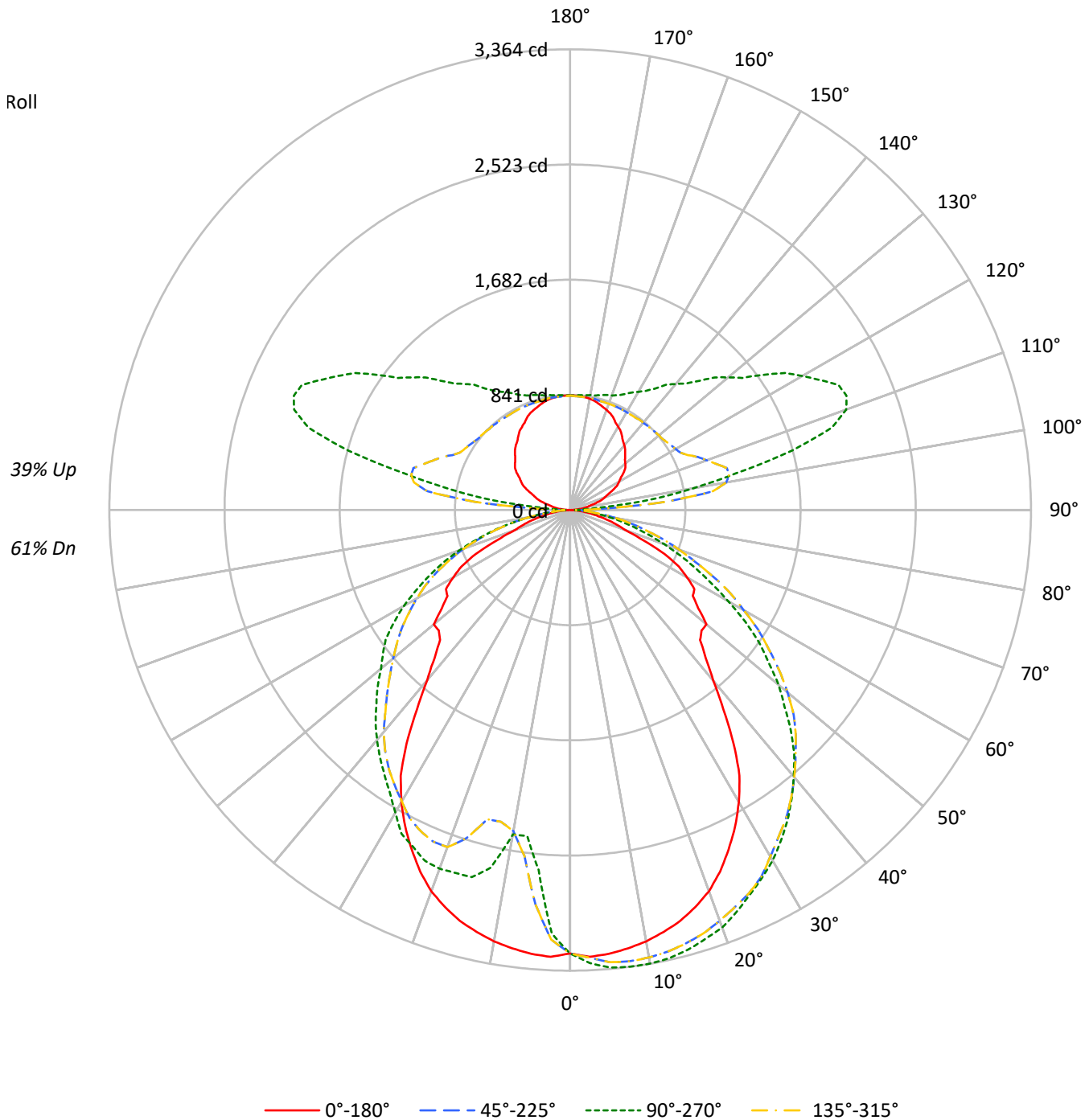
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13819.1 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 124
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





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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	0
RCR																		
0	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	61
1	100	96	92	88	94	90	86	83	79	76	74	68	66	65	59	57	56	51
2	91	84	78	72	85	79	73	68	69	65	61	60	57	54	52	49	47	43
3	83	74	66	60	78	69	63	57	61	56	51	53	49	46	46	43	40	36
4	76	65	57	51	71	61	54	49	54	48	44	47	43	39	41	37	35	31
5	70	58	50	44	65	55	47	42	48	42	38	42	38	34	37	33	30	27
6	65	52	44	38	60	49	42	36	44	37	33	38	33	30	33	29	26	24
7	60	47	39	33	56	45	37	32	39	33	29	35	30	26	30	26	23	21
8	55	43	35	29	52	40	33	28	36	30	26	32	27	23	28	24	21	19
9	52	39	31	26	48	37	30	25	33	27	23	29	24	21	26	22	19	17
10	48	36	29	24	45	34	27	23	30	25	21	27	22	19	24	20	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15023	15023	15023	15023
5°	15135	15165	15135	11924
10°	15034	14938	15034	10680
15°	14870	14614	14870	12203
20°	14559	14231	14559	12229
25°	13923	13672	13923	11970
30°	13100	13207	13100	11401
35°	11679	12620	11679	10775
40°	9731	11929	9731	10303
45°	8695	11120	8695	9759
50°	9237	10155	9237	9215
55°	8691	9115	8691	8899
60°	8959	7742	8959	8151
65°	8122	6400	8122	7153
70°	5625	5100	5625	5996
75°	4931	3770	4931	4514
80°	3975	2492	3975	2714
85°	2282	1321	2282	1123

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13326 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.3	2.1
10°-20°	829.9	6.0
20°-30°	1282.8	9.3
30°-40°	1531.4	11.1
40°-50°	1540.4	11.1
50°-60°	1340.3	9.7
60°-70°	950.3	6.9
70°-80°	502.8	3.6
80°-90°	128.4	0.9
90°-100°	407.6	2.9
100°-110°	1071.6	7.8
110°-120°	1111.1	8.0
120°-130°	891.2	6.4
130°-140°	699.3	5.1
140°-150°	536.7	3.9
150°-160°	386.5	2.8
160°-170°	236.5	1.7
170°-180°	79.9	0.6
0°-30°	2405.0	17.4
0°-40°	3936.4	28.5
0°-60°	6817.1	49.3
0°-90°	8398.6	60.8
90°-120°	2590.3	18.7
90°-150°	4717.6	34.1
90°-180°	5421.0	39.2
0°-180°	13819.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3238	3238	3238	3238	3238	
5°	3253	3354	3253	2638	3253	309
15°	3106	3324	3106	2775	3106	874
25°	2736	3100	2736	2714	2736	1256
35°	2080	2766	2080	2362	2080	1287
45°	1342	2279	1342	2000	1342	1075
55°	1094	1682	1094	1642	1094	1005
65°	760	1014	760	1133	760	726
75°	288	481	288	576	288	303
85°	49	123	49	104	49	66
90°	6	21	6	21	6	7
95°	54	246	54	246	54	60
105°	193	1678	193	1678	193	205
115°	343	2160	343	2160	343	339
125°	477	1721	477	1721	477	423
135°	568	1335	568	1335	568	440
145°	659	1083	659	1083	659	413
155°	745	933	745	933	745	342
165°	804	869	804	869	804	227
175°	836	842	836	842	836	79
180°	836	836	836	836	836	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9
2.5°	3265.5	3265.5	3283.8	3290.0	3290.0	3280.8	3271.6	3280.8	3308.4	3317.6	3314.5
5°	3253.2	3277.8	3311.4	3317.6	3323.7	3320.7	3314.5	3320.7	3351.3	3357.4	3360.5
7.5°	3228.7	3274.7	3317.6	3326.7	3336.0	3326.7	3323.7	3329.8	3360.5	3366.6	3366.6
10°	3198.1	3262.5	3311.4	3317.6	3326.7	3317.6	3317.6	3329.8	3360.5	3366.6	3369.6
12.5°	3155.2	3244.0	3290.0	3296.1	3308.4	3305.3	3302.3	3314.5	3345.1	3351.3	3351.3
15°	3106.2	3210.3	3253.2	3259.4	3280.8	3274.7	3274.7	3286.9	3320.7	3329.8	3326.7
17.5°	3038.8	3167.4	3216.5	3225.6	3241.0	3237.9	3241.0	3253.2	3283.8	3290.0	3293.1
20°	2962.2	3109.2	3167.4	3176.7	3192.0	3192.0	3192.0	3207.3	3237.9	3250.2	3250.2
22.5°	2858.0	3048.0	3109.2	3115.4	3133.8	3133.8	3139.9	3161.4	3188.9	3192.0	3192.0
25°	2735.6	2980.6	3032.7	3051.0	3069.4	3078.6	3087.9	3100.1	3109.2	3106.2	3109.2
27.5°	2606.9	2894.8	2962.2	2974.4	2999.0	3008.2	3020.4	3023.5	3026.6	3035.7	3029.6
30°	2462.9	2775.4	2876.4	2888.7	2928.6	2934.6	2922.4	2928.6	2943.9	2950.0	2956.1
32.5°	2300.6	2597.7	2787.6	2815.2	2852.0	2833.6	2830.5	2839.7	2864.2	2864.2	2870.4
35°	2080.0	2459.9	2704.9	2729.4	2756.9	2735.6	2747.8	2750.9	2766.2	2775.4	2772.3
37.5°	1838.0	2340.4	2619.2	2637.5	2659.0	2631.4	2649.8	2659.0	2671.2	2665.1	2665.1
40°	1623.6	2153.5	2518.1	2530.3	2548.7	2527.2	2545.6	2551.7	2557.9	2551.7	2548.7
42.5°	1464.3	1948.3	2410.8	2426.1	2413.9	2429.2	2435.3	2447.6	2438.4	2426.1	2426.1
45°	1341.7	1893.1	2294.4	2312.8	2294.4	2318.9	2328.2	2328.2	2300.6	2294.4	2291.3
47.5°	1301.9	1782.8	2178.0	2178.0	2168.9	2199.5	2214.7	2193.3	2165.8	2156.5	2156.5
50°	1298.8	1660.3	2018.7	2006.5	2049.4	2086.1	2070.8	2049.4	2027.9	1994.3	1994.3
52.5°	1179.3	1510.2	1813.5	1859.5	1926.8	1948.3	1923.7	1902.3	1865.5	1850.2	1838.0
55°	1093.6	1354.0	1626.7	1718.5	1789.0	1816.6	1770.6	1749.1	1694.0	1684.9	1678.7
57.5°	1075.2	1127.3	1455.0	1571.5	1657.3	1654.2	1626.7	1586.8	1540.9	1531.6	1528.6
60°	986.4	814.8	1271.3	1409.2	1498.0	1488.8	1464.3	1427.5	1384.6	1378.5	1372.4
62.5°	894.5	591.3	1062.9	1219.2	1344.8	1341.7	1320.3	1265.1	1234.5	1219.2	1206.9
65°	759.7	496.3	756.6	1014.0	1194.7	1200.8	1154.9	1115.1	1081.3	1062.9	1059.9
67.5°	578.9	404.3	511.6	845.5	1050.7	1044.6	986.4	968.0	925.2	915.9	897.6
70°	428.9	269.6	355.4	686.2	909.8	894.5	848.5	827.1	787.3	765.9	753.5
72.5°	355.4	217.5	260.4	533.0	765.9	747.5	707.7	683.1	649.5	631.1	618.8
75°	287.9	229.7	199.1	395.2	621.8	609.6	572.9	548.3	520.7	496.3	499.3
77.5°	211.4	214.4	159.3	291.0	493.2	474.8	453.4	422.7	410.5	386.0	386.0
80°	159.3	168.5	119.5	199.1	355.4	355.4	337.0	315.5	294.1	281.9	281.9
82.5°	107.2	107.2	88.8	125.6	242.0	232.8	220.6	214.4	202.2	196.1	196.1
85°	49.0	61.3	55.1	76.6	131.7	137.9	137.9	131.7	128.6	122.6	125.6
87.5°	15.3	27.6	33.7	42.9	67.4	70.4	73.5	73.5	73.5	76.6	76.6
90°	5.6	10.1	14.7	15.7	24.7	36.7	42.6	37.9	28.4	21.4	21.4
92.5°	22.4	60.6	98.8	108.3	152.3	210.9	240.2	210.5	151.2	106.6	102.4
95°	53.9	123.7	193.5	211.0	374.6	592.9	702.0	626.5	475.3	362.0	349.1
97.5°	93.1	154.8	216.4	231.8	504.7	868.6	1050.5	1002.7	907.2	835.6	811.2
100°	123.5	179.3	235.3	249.2	552.1	955.9	1157.7	1161.2	1168.2	1173.5	1144.3
102.5°	149.3	201.4	253.5	266.6	573.7	983.3	1188.0	1248.9	1370.6	1461.9	1436.9
105°	193.1	237.2	281.3	292.4	589.8	986.4	1184.7	1321.1	1593.9	1798.6	1785.2
107.5°	238.0	279.2	320.2	330.6	592.8	942.5	1117.3	1307.6	1688.2	1973.7	1977.0
110°	268.3	305.4	342.5	351.8	588.3	903.5	1061.2	1273.9	1699.4	2018.6	2032.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	298.0	333.4	368.8	377.6	588.4	869.6	1010.2	1227.9	1663.4	1990.0	2011.4
115°	342.9	375.6	408.2	416.4	593.9	830.6	949.0	1158.7	1578.2	1892.9	1922.7
117.5°	387.2	416.9	446.6	454.0	605.0	806.2	906.9	1096.1	1474.8	1758.7	1791.7
120°	413.0	440.9	468.9	475.8	613.9	798.0	890.0	1063.0	1409.0	1668.4	1700.4
122.5°	438.3	466.5	494.7	501.7	626.8	793.6	877.1	1032.9	1344.4	1578.1	1609.6
125°	477.0	502.7	528.3	534.8	644.2	790.1	863.1	995.4	1260.0	1458.5	1487.6
127.5°	508.4	534.4	560.3	566.8	661.7	788.1	851.3	964.9	1192.1	1362.5	1387.1
130°	525.3	553.1	581.1	588.1	674.3	789.4	846.9	948.0	1150.3	1302.0	1324.7
132.5°	542.6	570.6	598.6	605.6	684.7	790.1	842.9	933.4	1114.5	1250.3	1270.7
135°	568.4	593.9	619.4	625.7	695.9	789.4	836.2	912.0	1063.7	1177.3	1194.9
137.5°	594.9	620.0	645.2	651.5	712.7	794.3	835.0	899.1	1027.4	1123.5	1137.8
140°	616.8	639.9	663.1	668.9	723.0	795.1	831.1	886.5	997.2	1080.3	1093.7
142.5°	633.6	655.1	676.5	681.9	731.6	798.0	831.1	879.7	977.0	1050.0	1061.5
145°	659.4	678.1	696.8	701.5	742.9	798.0	825.5	865.3	944.9	1004.5	1013.2
147.5°	685.2	703.4	721.7	726.2	759.3	803.4	825.5	856.8	919.4	966.3	973.6
150°	702.0	718.5	735.0	739.1	767.8	806.3	825.5	851.9	904.8	944.4	950.3
152.5°	719.4	731.9	744.4	747.5	773.5	808.1	825.5	848.0	893.2	927.1	931.5
155°	745.2	754.5	763.7	766.0	785.9	812.3	825.5	843.4	879.4	906.3	909.2
157.5°	764.3	773.3	782.2	784.5	798.2	816.4	825.5	839.4	867.4	888.3	890.4
160°	777.3	784.2	791.2	792.9	803.8	818.3	825.5	837.5	861.4	879.4	880.5
162.5°	790.1	795.4	800.6	802.0	809.8	820.3	825.5	835.6	855.8	870.9	872.0
165°	804.1	808.9	813.6	814.8	818.4	823.2	825.5	832.7	847.2	858.1	859.3
167.5°	817.1	819.4	821.6	822.2	825.1	829.1	831.1	835.8	845.3	852.5	852.9
170°	825.5	827.8	830.0	830.6	830.8	831.0	831.1	835.8	845.3	852.5	852.5
172.5°	830.0	830.5	831.0	831.1	831.1	831.1	831.1	834.8	842.3	848.0	847.5
175°	836.2	836.2	836.2	836.2	834.5	832.2	831.1	833.5	838.3	841.8	841.8
177.5°	836.2	836.2	836.2	836.2	834.8	833.1	832.2	834.1	837.8	840.6	840.2
180°	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9
2.5°	3320.7	3311.4	3320.7	3314.5	3317.6	3308.4	3280.8	3271.6	3280.8	3290.0	3290.0
5°	3360.5	3354.3	3360.5	3360.5	3357.4	3351.3	3320.7	3314.5	3320.7	3323.7	3317.6
7.5°	3372.7	3363.5	3372.7	3366.6	3366.6	3360.5	3329.8	3323.7	3326.7	3336.0	3326.7
10°	3372.7	3363.5	3372.7	3369.6	3366.6	3360.5	3329.8	3317.6	3317.6	3326.7	3317.6
12.5°	3357.4	3351.3	3357.4	3351.3	3351.3	3345.1	3314.5	3302.3	3305.3	3308.4	3296.1
15°	3332.9	3323.7	3332.9	3326.7	3329.8	3320.7	3286.9	3274.7	3274.7	3280.8	3259.4
17.5°	3296.1	3283.8	3296.1	3293.1	3290.0	3283.8	3253.2	3241.0	3237.9	3241.0	3225.6
20°	3253.2	3244.0	3253.2	3250.2	3250.2	3237.9	3207.3	3192.0	3192.0	3192.0	3176.7
22.5°	3185.8	3176.7	3185.8	3192.0	3192.0	3188.9	3161.4	3139.9	3133.8	3133.8	3115.4
25°	3109.2	3100.1	3109.2	3109.2	3106.2	3109.2	3100.1	3087.9	3078.6	3069.4	3051.0
27.5°	3035.7	3029.6	3035.7	3029.6	3035.7	3026.6	3023.5	3020.4	3008.2	2999.0	2974.4
30°	2962.2	2956.1	2962.2	2956.1	2950.0	2943.9	2928.6	2922.4	2934.6	2928.6	2888.7
32.5°	2870.4	2864.2	2870.4	2870.4	2864.2	2864.2	2839.7	2830.5	2833.6	2852.0	2815.2
35°	2775.4	2766.2	2775.4	2772.3	2775.4	2766.2	2750.9	2747.8	2735.6	2756.9	2729.4
37.5°	2665.1	2655.9	2665.1	2665.1	2665.1	2671.2	2659.0	2649.8	2631.4	2659.0	2637.5
40°	2551.7	2539.5	2551.7	2548.7	2551.7	2557.9	2551.7	2545.6	2527.2	2548.7	2530.3
42.5°	2423.1	2420.0	2423.1	2426.1	2426.1	2438.4	2447.6	2435.3	2429.2	2413.9	2426.1
45°	2285.3	2279.1	2285.3	2291.3	2294.4	2300.6	2328.2	2328.2	2318.9	2294.4	2312.8
47.5°	2138.2	2122.9	2138.2	2156.5	2156.5	2165.8	2193.3	2214.7	2199.5	2168.9	2178.0
50°	1981.9	1985.0	1981.9	1994.3	1994.3	2027.9	2049.4	2070.8	2086.1	2049.4	2006.5
52.5°	1828.8	1825.7	1828.8	1838.0	1850.2	1865.5	1902.3	1923.7	1948.3	1926.8	1859.5
55°	1675.6	1681.8	1675.6	1678.7	1684.9	1694.0	1749.1	1770.6	1816.6	1789.0	1718.5
57.5°	1522.5	1513.2	1522.5	1528.6	1531.6	1540.9	1586.8	1626.7	1654.2	1657.3	1571.5
60°	1344.8	1332.6	1344.8	1372.4	1378.5	1384.6	1427.5	1464.3	1488.8	1498.0	1409.2
62.5°	1188.6	1167.1	1188.6	1206.9	1219.2	1234.5	1265.1	1320.3	1341.7	1344.8	1219.2
65°	1023.1	1014.0	1023.1	1059.9	1062.9	1081.3	1115.1	1154.9	1200.8	1194.7	1014.0
67.5°	873.0	873.0	873.0	897.6	915.9	925.2	968.0	986.4	1044.6	1050.7	845.5
70°	735.2	732.1	735.2	753.5	765.9	787.3	827.1	848.5	894.5	909.8	686.2
72.5°	603.5	600.4	603.5	618.8	631.1	649.5	683.1	707.7	747.5	765.9	533.0
75°	487.1	480.9	487.1	499.3	496.3	520.7	548.3	572.9	609.6	621.8	395.2
77.5°	373.7	373.7	373.7	386.0	386.0	410.5	422.7	453.4	474.8	493.2	291.0
80°	278.8	275.7	278.8	281.9	281.9	294.1	315.5	337.0	355.4	355.4	199.1
82.5°	196.1	189.9	196.1	196.1	196.1	202.2	214.4	220.6	232.8	242.0	125.6
85°	122.6	122.6	122.6	125.6	122.6	128.6	131.7	137.9	137.9	131.7	76.6
87.5°	79.7	76.6	79.7	76.6	76.6	73.5	73.5	73.5	70.4	67.4	42.9
90°	21.4	21.4	21.4	21.4	21.4	28.4	37.9	42.6	36.7	24.7	15.7
92.5°	85.4	68.4	85.4	102.4	106.6	151.2	210.5	240.2	210.9	152.3	108.3
95°	297.8	246.4	297.8	349.1	362.0	475.3	626.5	702.0	592.9	374.6	211.0
97.5°	713.4	615.6	713.4	811.2	835.6	907.2	1002.7	1050.5	868.6	504.7	231.8
100°	1027.9	911.4	1027.9	1144.3	1173.5	1168.2	1161.2	1157.7	955.9	552.1	249.2
102.5°	1337.2	1237.4	1337.2	1436.9	1461.9	1370.6	1248.9	1188.0	983.3	573.7	266.6
105°	1731.5	1677.9	1731.5	1785.2	1798.6	1593.9	1321.1	1184.7	986.4	589.8	292.4
107.5°	1989.9	2002.8	1989.9	1977.0	1973.7	1688.2	1307.6	1117.3	942.5	592.8	330.6
110°	2088.5	2144.3	2088.5	2032.5	2018.6	1699.4	1273.9	1061.2	903.5	588.3	351.8



TEST NUMBER: P934967

CATALOG NUMBER: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2097.2	2183.0	2097.2	2011.4	1990.0	1663.4	1227.9	1010.2	869.6	588.4	377.6
115°	2041.6	2160.5	2041.6	1922.7	1892.9	1578.2	1158.7	949.0	830.6	593.9	416.4
117.5°	1923.6	2055.6	1923.6	1791.7	1758.7	1474.8	1096.1	906.9	806.2	605.0	454.0
120°	1828.7	1956.9	1828.7	1700.4	1668.4	1409.0	1063.0	890.0	798.0	613.9	475.8
122.5°	1736.1	1862.5	1736.1	1609.6	1578.1	1344.4	1032.9	877.1	793.6	626.8	501.7
125°	1604.1	1720.6	1604.1	1487.6	1458.5	1260.0	995.4	863.1	790.1	644.2	534.8
127.5°	1485.4	1583.7	1485.4	1387.1	1362.5	1192.1	964.9	851.3	788.1	661.7	566.8
130°	1415.4	1506.2	1415.4	1324.7	1302.0	1150.3	948.0	846.9	789.4	674.3	588.1
132.5°	1351.9	1433.2	1351.9	1270.7	1250.3	1114.5	933.4	842.9	790.1	684.7	605.6
135°	1265.0	1335.0	1265.0	1194.9	1177.3	1063.7	912.0	836.2	789.4	695.9	625.7
137.5°	1195.2	1252.6	1195.2	1137.8	1123.5	1027.4	899.1	835.0	794.3	712.7	651.5
140°	1147.4	1201.0	1147.4	1093.7	1080.3	997.2	886.5	831.1	795.1	723.0	668.9
142.5°	1107.6	1153.8	1107.6	1061.5	1050.0	977.0	879.7	831.1	798.0	731.6	681.9
145°	1048.2	1083.1	1048.2	1013.2	1004.5	944.9	865.3	825.5	798.0	742.9	701.5
147.5°	1002.5	1031.4	1002.5	973.6	966.3	919.4	856.8	825.5	803.4	759.3	726.2
150°	973.8	997.2	973.8	950.3	944.4	904.8	851.9	825.5	806.3	767.8	739.1
152.5°	949.2	966.9	949.2	931.5	927.1	893.2	848.0	825.5	808.1	773.5	747.5
155°	921.0	932.7	921.0	909.2	906.3	879.4	843.4	825.5	812.3	785.9	766.0
157.5°	898.6	906.9	898.6	890.4	888.3	867.4	839.4	825.5	816.4	798.2	784.5
160°	885.3	890.0	885.3	880.5	879.4	861.4	837.5	825.5	818.3	803.8	792.9
162.5°	876.6	881.1	876.6	872.0	870.9	855.8	835.6	825.5	820.3	809.8	802.0
165°	864.0	868.7	864.0	859.3	858.1	847.2	832.7	825.5	823.2	818.4	814.8
167.5°	854.9	856.9	854.9	852.9	852.5	845.3	835.8	831.1	829.1	825.1	822.2
170°	852.5	852.5	852.5	852.5	852.5	845.3	835.8	831.1	831.0	830.8	830.6
172.5°	845.8	844.1	845.8	847.5	848.0	842.3	834.8	831.1	831.1	831.1	831.1
175°	841.8	841.8	841.8	841.8	841.8	838.3	833.5	831.1	832.2	834.5	836.2
177.5°	838.2	836.2	838.2	840.2	840.6	837.8	834.1	832.2	833.1	834.8	836.2
180°	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2



TEST NUMBER: P934967

CATALOG NUMBER: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9
2.5°	3283.8	3265.5	3265.5	3234.9	3222.6	3213.4	3198.1	3152.1	3139.9	3127.6	3146.1
5°	3311.4	3277.8	3253.2	3198.1	3152.1	3133.8	3075.6	2965.3	2891.8	2836.6	2806.0
7.5°	3317.6	3274.7	3228.7	3143.0	3032.7	2983.7	2806.0	2603.8	2548.7	2499.7	2469.0
10°	3311.4	3262.5	3198.1	3069.4	2809.1	2723.3	2545.6	2413.9	2380.2	2371.0	2380.2
12.5°	3290.0	3244.0	3155.2	2940.8	2576.3	2518.1	2413.9	2337.3	2331.2	2346.5	2429.2
15°	3253.2	3210.3	3106.2	2769.2	2447.6	2404.7	2331.2	2303.6	2337.3	2444.6	2692.7
17.5°	3216.5	3167.4	3038.8	2600.8	2349.5	2318.9	2266.9	2322.0	2511.9	2655.9	2738.6
20°	3167.4	3109.2	2962.2	2478.2	2279.1	2251.5	2227.1	2475.2	2619.2	2671.2	2717.2
22.5°	3109.2	3048.0	2858.0	2392.4	2205.6	2184.2	2199.5	2561.0	2619.2	2655.9	2695.8
25°	3032.7	2980.6	2735.6	2325.1	2147.4	2122.9	2181.1	2551.7	2585.4	2594.6	2674.3
27.5°	2962.2	2894.8	2606.9	2263.8	2076.9	2067.7	2196.4	2511.9	2536.4	2545.6	2631.4
30°	2876.4	2775.4	2462.9	2199.5	2003.4	2000.3	2199.5	2462.9	2456.8	2481.3	2567.0
32.5°	2787.6	2597.7	2300.6	2119.8	1933.0	1929.9	2178.0	2389.4	2383.3	2417.0	2481.3
35°	2704.9	2459.9	2080.0	2027.9	1844.1	1847.2	2126.0	2303.6	2306.7	2337.3	2377.1
37.5°	2619.2	2340.4	1838.0	1926.8	1758.4	1758.4	2055.4	2224.0	2217.8	2227.1	2282.2
40°	2518.1	2153.5	1623.6	1795.1	1678.7	1669.5	1969.7	2138.2	2116.7	2113.7	2190.3
42.5°	2410.8	1948.3	1464.3	1620.5	1586.8	1574.5	1865.5	2034.1	1994.3	2003.4	2101.4
45°	2294.4	1893.1	1341.7	1369.3	1491.8	1482.7	1752.2	1914.6	1887.0	1911.5	2012.6
47.5°	2178.0	1782.8	1301.9	1136.5	1390.8	1387.7	1626.7	1798.2	1782.8	1807.3	1914.6
50°	2018.7	1660.3	1298.8	974.1	1277.4	1289.7	1476.5	1684.9	1684.9	1706.2	1819.6
52.5°	1813.5	1510.2	1179.3	882.3	1145.7	1182.4	1344.8	1586.8	1592.9	1614.4	1715.5
55°	1626.7	1354.0	1093.6	811.7	989.4	1069.1	1216.2	1485.7	1498.0	1519.4	1611.3
57.5°	1455.0	1127.3	1075.2	729.1	845.5	922.1	1102.8	1387.7	1393.8	1412.2	1501.0
60°	1271.3	814.8	986.4	640.2	719.9	778.1	998.7	1271.3	1292.8	1305.0	1381.5
62.5°	1062.9	591.3	894.5	578.9	658.6	670.9	912.9	1161.0	1188.6	1197.8	1243.7
65°	756.6	496.3	759.7	526.9	594.2	597.3	821.0	1047.6	1072.2	1087.5	1121.1
67.5°	511.6	404.3	578.9	477.8	545.3	548.3	732.1	915.9	949.6	961.9	983.4
70°	355.4	269.6	428.9	425.8	490.1	496.3	637.1	796.5	827.1	836.3	848.5
72.5°	260.4	217.5	355.4	382.9	431.9	438.1	539.1	661.7	692.3	701.5	707.7
75°	199.1	229.7	287.9	333.9	367.6	370.7	441.1	539.1	560.6	566.7	569.8
77.5°	159.3	214.4	211.4	269.6	300.2	294.1	346.1	416.6	435.0	435.0	435.0
80°	119.5	168.5	159.3	193.0	220.6	214.4	248.1	297.2	303.2	309.4	306.3
82.5°	88.8	107.2	107.2	122.6	147.0	140.9	165.5	193.0	193.0	193.0	199.1
85°	55.1	61.3	49.0	64.4	82.7	79.7	91.9	104.2	107.2	107.2	101.1
87.5°	33.7	27.6	15.3	24.5	36.7	36.7	42.9	46.0	42.9	42.9	42.9
90°	14.7	10.1	5.6	10.1	14.7	15.7	24.7	36.7	42.6	37.9	28.4
92.5°	98.8	60.6	22.4	60.6	98.8	108.3	152.3	210.9	240.2	210.5	151.2
95°	193.5	123.7	53.9	123.7	193.5	211.0	374.6	592.9	702.0	626.5	475.3
97.5°	216.4	154.8	93.1	154.8	216.4	231.8	504.7	868.6	1050.5	1002.7	907.2
100°	235.3	179.3	123.5	179.3	235.3	249.2	552.1	955.9	1157.7	1161.2	1168.2
102.5°	253.5	201.4	149.3	201.4	253.5	266.6	573.7	983.3	1188.0	1248.9	1370.6
105°	281.3	237.2	193.1	237.2	281.3	292.4	589.8	986.4	1184.7	1321.1	1593.9
107.5°	320.2	279.2	238.0	279.2	320.2	330.6	592.8	942.5	1117.3	1307.6	1688.2
110°	342.5	305.4	268.3	305.4	342.5	351.8	588.3	903.5	1061.2	1273.9	1699.4



TEST NUMBER: P934967

CATALOG NUMBER: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	368.8	333.4	298.0	333.4	368.8	377.6	588.4	869.6	1010.2	1227.9	1663.4
115°	408.2	375.6	342.9	375.6	408.2	416.4	593.9	830.6	949.0	1158.7	1578.2
117.5°	446.6	416.9	387.2	416.9	446.6	454.0	605.0	806.2	906.9	1096.1	1474.8
120°	468.9	440.9	413.0	440.9	468.9	475.8	613.9	798.0	890.0	1063.0	1409.0
122.5°	494.7	466.5	438.3	466.5	494.7	501.7	626.8	793.6	877.1	1032.9	1344.4
125°	528.3	502.7	477.0	502.7	528.3	534.8	644.2	790.1	863.1	995.4	1260.0
127.5°	560.3	534.4	508.4	534.4	560.3	566.8	661.7	788.1	851.3	964.9	1192.1
130°	581.1	553.1	525.3	553.1	581.1	588.1	674.3	789.4	846.9	948.0	1150.3
132.5°	598.6	570.6	542.6	570.6	598.6	605.6	684.7	790.1	842.9	933.4	1114.5
135°	619.4	593.9	568.4	593.9	619.4	625.7	695.9	789.4	836.2	912.0	1063.7
137.5°	645.2	620.0	594.9	620.0	645.2	651.5	712.7	794.3	835.0	899.1	1027.4
140°	663.1	639.9	616.8	639.9	663.1	668.9	723.0	795.1	831.1	886.5	997.2
142.5°	676.5	655.1	633.6	655.1	676.5	681.9	731.6	798.0	831.1	879.7	977.0
145°	696.8	678.1	659.4	678.1	696.8	701.5	742.9	798.0	825.5	865.3	944.9
147.5°	721.7	703.4	685.2	703.4	721.7	726.2	759.3	803.4	825.5	856.8	919.4
150°	735.0	718.5	702.0	718.5	735.0	739.1	767.8	806.3	825.5	851.9	904.8
152.5°	744.4	731.9	719.4	731.9	744.4	747.5	773.5	808.1	825.5	848.0	893.2
155°	763.7	754.5	745.2	754.5	763.7	766.0	785.9	812.3	825.5	843.4	879.4
157.5°	782.2	773.3	764.3	773.3	782.2	784.5	798.2	816.4	825.5	839.4	867.4
160°	791.2	784.2	777.3	784.2	791.2	792.9	803.8	818.3	825.5	837.5	861.4
162.5°	800.6	795.4	790.1	795.4	800.6	802.0	809.8	820.3	825.5	835.6	855.8
165°	813.6	808.9	804.1	808.9	813.6	814.8	818.4	823.2	825.5	832.7	847.2
167.5°	821.6	819.4	817.1	819.4	821.6	822.2	825.1	829.1	831.1	835.8	845.3
170°	830.0	827.8	825.5	827.8	830.0	830.6	830.8	831.0	831.1	835.8	845.3
172.5°	831.0	830.5	830.0	830.5	831.0	831.1	831.1	831.1	831.1	834.8	842.3
175°	836.2	836.2	836.2	836.2	836.2	836.2	834.5	832.2	831.1	833.5	838.3
177.5°	836.2	836.2	836.2	836.2	836.2	836.2	834.8	833.1	832.2	834.1	837.8
180°	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2



TEST NUMBER: P934967

CATALOG NUMBER: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9
2.5°	3124.6	3115.4	3127.6	3093.9	3127.6	3115.4	3124.6	3146.1	3127.6	3139.9	3152.1
5°	2741.6	2726.3	2677.4	2637.5	2677.4	2726.3	2741.6	2806.0	2836.6	2891.8	2965.3
7.5°	2450.6	2438.4	2426.1	2401.7	2426.1	2438.4	2450.6	2469.0	2499.7	2548.7	2603.8
10°	2386.4	2389.4	2407.7	2404.7	2407.7	2389.4	2386.4	2380.2	2371.0	2380.2	2413.9
12.5°	2551.7	2579.3	2680.4	2674.3	2680.4	2579.3	2551.7	2429.2	2346.5	2331.2	2337.3
15°	2741.6	2750.9	2772.3	2775.4	2772.3	2750.9	2741.6	2692.7	2444.6	2337.3	2303.6
17.5°	2760.0	2763.1	2778.4	2778.4	2778.4	2763.1	2760.0	2738.6	2655.9	2511.9	2322.0
20°	2744.7	2750.9	2781.5	2787.6	2781.5	2750.9	2744.7	2717.2	2671.2	2619.2	2475.2
22.5°	2738.6	2750.9	2775.4	2772.3	2775.4	2750.9	2738.6	2695.8	2655.9	2619.2	2561.0
25°	2708.0	2708.0	2711.0	2714.1	2711.0	2708.0	2708.0	2674.3	2594.6	2585.4	2551.7
27.5°	2643.6	2649.8	2668.1	2665.1	2668.1	2649.8	2643.6	2631.4	2545.6	2536.4	2511.9
30°	2585.4	2579.3	2564.0	2551.7	2564.0	2579.3	2585.4	2567.0	2481.3	2456.8	2462.9
32.5°	2487.4	2472.1	2456.8	2447.6	2456.8	2472.1	2487.4	2481.3	2417.0	2383.3	2389.4
35°	2371.0	2374.1	2371.0	2361.8	2371.0	2374.1	2371.0	2377.1	2337.3	2306.7	2303.6
37.5°	2288.3	2294.4	2291.3	2279.1	2291.3	2294.4	2288.3	2282.2	2227.1	2217.8	2224.0
40°	2202.5	2205.6	2202.5	2193.3	2202.5	2205.6	2202.5	2190.3	2113.7	2116.7	2138.2
42.5°	2119.8	2116.7	2107.6	2101.4	2107.6	2116.7	2119.8	2101.4	2003.4	1994.3	2034.1
45°	2024.8	2027.9	2009.5	2000.3	2009.5	2027.9	2024.8	2012.6	1911.5	1887.0	1914.6
47.5°	1929.9	1929.9	1914.6	1905.4	1914.6	1929.9	1929.9	1914.6	1807.3	1782.8	1798.2
50°	1828.8	1825.7	1804.3	1801.3	1804.3	1825.7	1828.8	1819.6	1706.2	1684.9	1684.9
52.5°	1712.4	1712.4	1715.5	1721.6	1715.5	1712.4	1712.4	1715.5	1614.4	1592.9	1586.8
55°	1611.3	1614.4	1635.8	1642.0	1635.8	1614.4	1611.3	1611.3	1519.4	1498.0	1485.7
57.5°	1507.2	1507.2	1522.5	1522.5	1522.5	1507.2	1507.2	1501.0	1412.2	1393.8	1387.7
60°	1387.7	1393.8	1406.1	1403.0	1406.1	1393.8	1387.7	1381.5	1305.0	1292.8	1271.3
62.5°	1262.1	1268.2	1271.3	1265.1	1271.3	1268.2	1262.1	1243.7	1197.8	1188.6	1161.0
65°	1130.4	1136.5	1139.6	1133.4	1139.6	1136.5	1130.4	1121.1	1087.5	1072.2	1047.6
67.5°	995.6	992.5	989.4	1001.7	989.4	992.5	995.6	983.4	961.9	949.6	915.9
70°	857.7	857.7	854.7	860.8	854.7	857.7	857.7	848.5	836.3	827.1	796.5
72.5°	710.7	707.7	719.9	710.7	719.9	707.7	710.7	707.7	701.5	692.3	661.7
75°	566.7	572.9	566.7	575.9	566.7	572.9	566.7	569.8	566.7	560.6	539.1
77.5°	431.9	438.1	431.9	431.9	431.9	438.1	431.9	435.0	435.0	435.0	416.6
80°	306.3	303.2	303.2	300.2	303.2	303.2	306.3	306.3	309.4	303.2	297.2
82.5°	196.1	193.0	193.0	199.1	193.0	193.0	196.1	199.1	193.0	193.0	193.0
85°	107.2	110.2	104.2	104.2	104.2	110.2	107.2	101.1	107.2	107.2	104.2
87.5°	39.8	36.7	36.7	36.7	36.7	36.7	39.8	42.9	42.9	42.9	46.0
90°	21.4	21.4	21.4	21.4	21.4	21.4	21.4	28.4	37.9	42.6	36.7
92.5°	106.6	102.4	85.4	68.4	85.4	102.4	106.6	151.2	210.5	240.2	210.9
95°	362.0	349.1	297.8	246.4	297.8	349.1	362.0	475.3	626.5	702.0	592.9
97.5°	835.6	811.2	713.4	615.6	713.4	811.2	835.6	907.2	1002.7	1050.5	868.6
100°	1173.5	1144.3	1027.9	911.4	1027.9	1144.3	1173.5	1168.2	1161.2	1157.7	955.9
102.5°	1461.9	1436.9	1337.2	1237.4	1337.2	1436.9	1461.9	1370.6	1248.9	1188.0	983.3
105°	1798.6	1785.2	1731.5	1677.9	1731.5	1785.2	1798.6	1593.9	1321.1	1184.7	986.4
107.5°	1973.7	1977.0	1989.9	2002.8	1989.9	1977.0	1973.7	1688.2	1307.6	1117.3	942.5
110°	2018.6	2032.5	2088.5	2144.3	2088.5	2032.5	2018.6	1699.4	1273.9	1061.2	903.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1990.0	2011.4	2097.2	2183.0	2097.2	2011.4	1990.0	1663.4	1227.9	1010.2	869.6
115°	1892.9	1922.7	2041.6	2160.5	2041.6	1922.7	1892.9	1578.2	1158.7	949.0	830.6
117.5°	1758.7	1791.7	1923.6	2055.6	1923.6	1791.7	1758.7	1474.8	1096.1	906.9	806.2
120°	1668.4	1700.4	1828.7	1956.9	1828.7	1700.4	1668.4	1409.0	1063.0	890.0	798.0
122.5°	1578.1	1609.6	1736.1	1862.5	1736.1	1609.6	1578.1	1344.4	1032.9	877.1	793.6
125°	1458.5	1487.6	1604.1	1720.6	1604.1	1487.6	1458.5	1260.0	995.4	863.1	790.1
127.5°	1362.5	1387.1	1485.4	1583.7	1485.4	1387.1	1362.5	1192.1	964.9	851.3	788.1
130°	1302.0	1324.7	1415.4	1506.2	1415.4	1324.7	1302.0	1150.3	948.0	846.9	789.4
132.5°	1250.3	1270.7	1351.9	1433.2	1351.9	1270.7	1250.3	1114.5	933.4	842.9	790.1
135°	1177.3	1194.9	1265.0	1335.0	1265.0	1194.9	1177.3	1063.7	912.0	836.2	789.4
137.5°	1123.5	1137.8	1195.2	1252.6	1195.2	1137.8	1123.5	1027.4	899.1	835.0	794.3
140°	1080.3	1093.7	1147.4	1201.0	1147.4	1093.7	1080.3	997.2	886.5	831.1	795.1
142.5°	1050.0	1061.5	1107.6	1153.8	1107.6	1061.5	1050.0	977.0	879.7	831.1	798.0
145°	1004.5	1013.2	1048.2	1083.1	1048.2	1013.2	1004.5	944.9	865.3	825.5	798.0
147.5°	966.3	973.6	1002.5	1031.4	1002.5	973.6	966.3	919.4	856.8	825.5	803.4
150°	944.4	950.3	973.8	997.2	973.8	950.3	944.4	904.8	851.9	825.5	806.3
152.5°	927.1	931.5	949.2	966.9	949.2	931.5	927.1	893.2	848.0	825.5	808.1
155°	906.3	909.2	921.0	932.7	921.0	909.2	906.3	879.4	843.4	825.5	812.3
157.5°	888.3	890.4	898.6	906.9	898.6	890.4	888.3	867.4	839.4	825.5	816.4
160°	879.4	880.5	885.3	890.0	885.3	880.5	879.4	861.4	837.5	825.5	818.3
162.5°	870.9	872.0	876.6	881.1	876.6	872.0	870.9	855.8	835.6	825.5	820.3
165°	858.1	859.3	864.0	868.7	864.0	859.3	858.1	847.2	832.7	825.5	823.2
167.5°	852.5	852.9	854.9	856.9	854.9	852.9	852.5	845.3	835.8	831.1	829.1
170°	852.5	852.5	852.5	852.5	852.5	852.5	852.5	845.3	835.8	831.1	831.0
172.5°	848.0	847.5	845.8	844.1	845.8	847.5	848.0	842.3	834.8	831.1	831.1
175°	841.8	841.8	841.8	841.8	841.8	841.8	841.8	838.3	833.5	831.1	832.2
177.5°	840.6	840.2	838.2	836.2	838.2	840.2	840.6	837.8	834.1	832.2	833.1
180°	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2	836.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3237.9	3237.9	3237.9	3237.9	3237.9
2.5°	3198.1	3213.4	3222.6	3234.9	3265.5
5°	3075.6	3133.8	3152.1	3198.1	3253.2
7.5°	2806.0	2983.7	3032.7	3143.0	3228.7
10°	2545.6	2723.3	2809.1	3069.4	3198.1
12.5°	2413.9	2518.1	2576.3	2940.8	3155.2
15°	2331.2	2404.7	2447.6	2769.2	3106.2
17.5°	2266.9	2318.9	2349.5	2600.8	3038.8
20°	2227.1	2251.5	2279.1	2478.2	2962.2
22.5°	2199.5	2184.2	2205.6	2392.4	2858.0
25°	2181.1	2122.9	2147.4	2325.1	2735.6
27.5°	2196.4	2067.7	2076.9	2263.8	2606.9
30°	2199.5	2000.3	2003.4	2199.5	2462.9
32.5°	2178.0	1929.9	1933.0	2119.8	2300.6
35°	2126.0	1847.2	1844.1	2027.9	2080.0
37.5°	2055.4	1758.4	1758.4	1926.8	1838.0
40°	1969.7	1669.5	1678.7	1795.1	1623.6
42.5°	1865.5	1574.5	1586.8	1620.5	1464.3
45°	1752.2	1482.7	1491.8	1369.3	1341.7
47.5°	1626.7	1387.7	1390.8	1136.5	1301.9
50°	1476.5	1289.7	1277.4	974.1	1298.8
52.5°	1344.8	1182.4	1145.7	882.3	1179.3
55°	1216.2	1069.1	989.4	811.7	1093.6
57.5°	1102.8	922.1	845.5	729.1	1075.2
60°	998.7	778.1	719.9	640.2	986.4
62.5°	912.9	670.9	658.6	578.9	894.5
65°	821.0	597.3	594.2	526.9	759.7
67.5°	732.1	548.3	545.3	477.8	578.9
70°	637.1	496.3	490.1	425.8	428.9
72.5°	539.1	438.1	431.9	382.9	355.4
75°	441.1	370.7	367.6	333.9	287.9
77.5°	346.1	294.1	300.2	269.6	211.4
80°	248.1	214.4	220.6	193.0	159.3
82.5°	165.5	140.9	147.0	122.6	107.2
85°	91.9	79.7	82.7	64.4	49.0
87.5°	42.9	36.7	36.7	24.5	15.3
90°	24.7	15.7	14.7	10.1	5.6
92.5°	152.3	108.3	98.8	60.6	22.4
95°	374.6	211.0	193.5	123.7	53.9
97.5°	504.7	231.8	216.4	154.8	93.1
100°	552.1	249.2	235.3	179.3	123.5
102.5°	573.7	266.6	253.5	201.4	149.3
105°	589.8	292.4	281.3	237.2	193.1
107.5°	592.8	330.6	320.2	279.2	238.0
110°	588.3	351.8	342.5	305.4	268.3



TEST NUMBER: P934967

CATALOG NUMBER: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	588.4	377.6	368.8	333.4	298.0
115°	593.9	416.4	408.2	375.6	342.9
117.5°	605.0	454.0	446.6	416.9	387.2
120°	613.9	475.8	468.9	440.9	413.0
122.5°	626.8	501.7	494.7	466.5	438.3
125°	644.2	534.8	528.3	502.7	477.0
127.5°	661.7	566.8	560.3	534.4	508.4
130°	674.3	588.1	581.1	553.1	525.3
132.5°	684.7	605.6	598.6	570.6	542.6
135°	695.9	625.7	619.4	593.9	568.4
137.5°	712.7	651.5	645.2	620.0	594.9
140°	723.0	668.9	663.1	639.9	616.8
142.5°	731.6	681.9	676.5	655.1	633.6
145°	742.9	701.5	696.8	678.1	659.4
147.5°	759.3	726.2	721.7	703.4	685.2
150°	767.8	739.1	735.0	718.5	702.0
152.5°	773.5	747.5	744.4	731.9	719.4
155°	785.9	766.0	763.7	754.5	745.2
157.5°	798.2	784.5	782.2	773.3	764.3
160°	803.8	792.9	791.2	784.2	777.3
162.5°	809.8	802.0	800.6	795.4	790.1
165°	818.4	814.8	813.6	808.9	804.1
167.5°	825.1	822.2	821.6	819.4	817.1
170°	830.8	830.6	830.0	827.8	825.5
172.5°	831.1	831.1	831.0	830.5	830.0
175°	834.5	836.2	836.2	836.2	836.2
177.5°	834.8	836.2	836.2	836.2	836.2
180°	836.2	836.2	836.2	836.2	836.2



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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	15.16	16.13	16.02	17.01	18.12	18.00	18.96	18.86	19.85	20.95
	3H	15.65	16.51	16.52	17.40	18.54	19.35	20.22	20.23	21.11	22.25
	4H	15.84	16.66	16.73	17.56	18.70	19.80	20.62	20.69	21.52	22.67
	6H	15.97	16.72	16.86	17.62	18.78	20.10	20.85	21.00	21.76	22.91
	8H	15.97	16.69	16.88	17.61	18.77	20.18	20.89	21.08	21.82	22.97
	12H	15.94	16.63	16.86	17.54	18.73	20.22	20.90	21.13	21.82	23.00
4H	2H	16.21	17.03	17.10	17.92	19.07	18.42	19.24	19.31	20.14	21.28
	3H	17.24	17.93	18.15	18.86	20.02	19.94	20.62	20.84	21.55	22.71
	4H	17.53	18.15	18.44	19.07	20.26	20.47	21.09	21.39	22.02	23.20
	6H	17.66	18.19	18.59	19.14	20.33	20.85	21.38	21.77	22.33	23.52
	8H	17.66	18.17	18.60	19.11	20.31	20.96	21.46	21.89	22.40	23.60
	12H	17.64	18.09	18.59	19.05	20.25	21.02	21.47	21.97	22.43	23.64
8H	4H	17.99	18.49	18.92	19.43	20.63	20.60	21.11	21.54	22.05	23.25
	6H	18.25	18.67	19.21	19.65	20.85	21.05	21.46	22.01	22.45	23.65
	8H	18.30	18.67	19.27	19.64	20.86	21.20	21.57	22.17	22.54	23.76
	12H	18.29	18.61	19.26	19.58	20.84	21.31	21.63	22.28	22.60	23.86
12H	4H	18.00	18.45	18.95	19.41	20.62	20.57	21.03	21.53	21.99	23.19
	6H	18.32	18.68	19.28	19.66	20.87	21.05	21.41	22.01	22.39	23.60
	8H	18.39	18.71	19.36	19.68	20.94	21.21	21.54	22.18	22.50	23.77