

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: P935665

Luminaire Tested: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935665
REPORT IS A COMBINATION OF REPORTS P933764 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-8-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

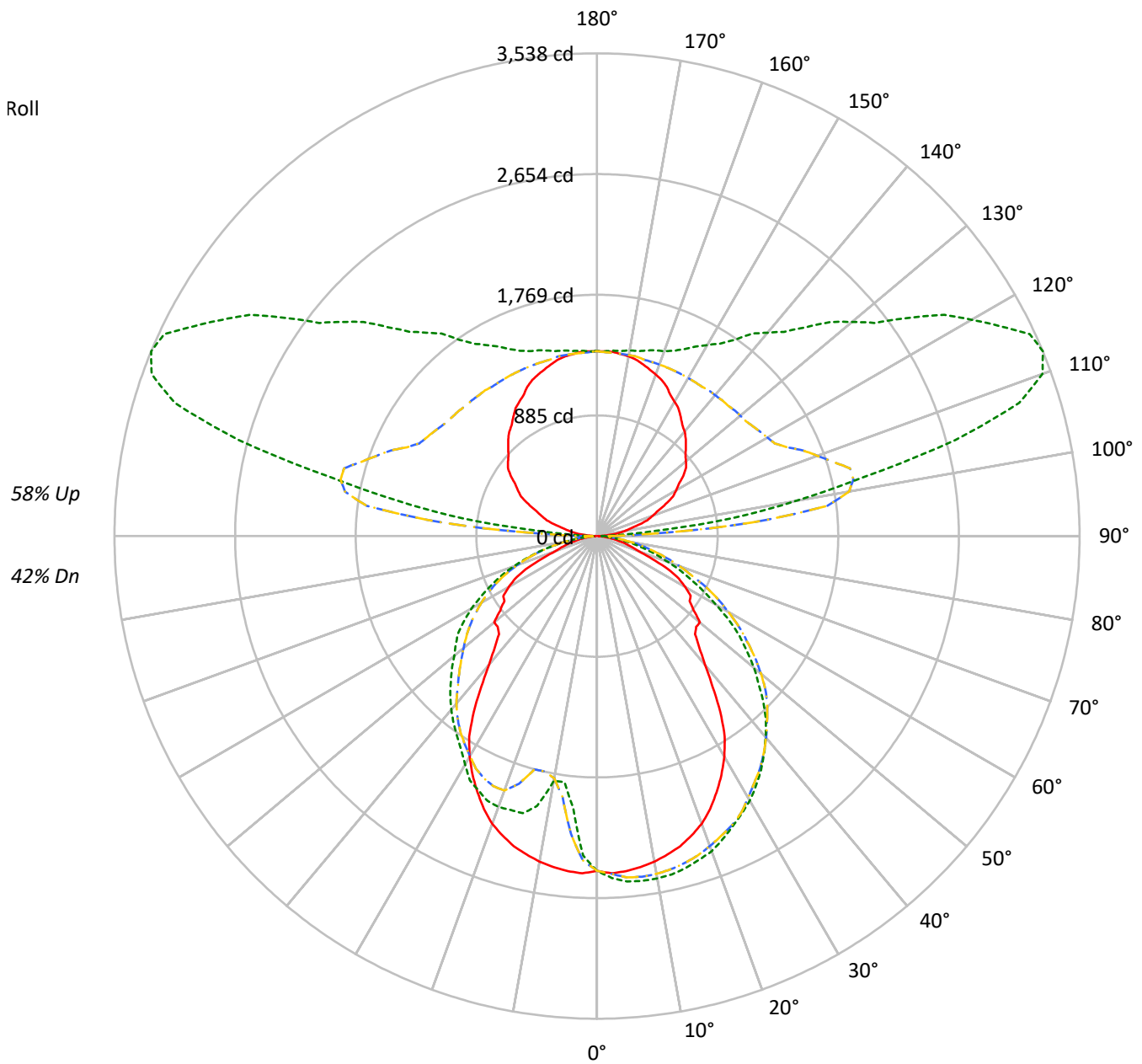
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15150.7 lumens
Efficiency: N/A
Efficacy: 117.6 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: General Diffuse

Input Watts (W): 128.8
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
RCR																				
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	42		42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	35		35
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	30		30
3	80	70	63	57	72	65	58	53	53	49	45	43	40	37	34	31	30	25		25
4	73	62	54	49	66	57	50	45	47	42	38	38	35	32	30	28	25	22		22
5	67	55	47	41	61	51	44	39	42	37	33	34	31	27	27	24	22	19		19
6	62	50	42	36	56	46	39	33	38	33	29	31	27	24	24	22	19	16		16
7	57	45	37	31	52	41	34	29	34	29	25	28	24	21	22	19	17	15		15
8	53	40	33	28	48	37	31	26	31	26	22	26	22	19	20	18	15	13		13
9	49	37	30	25	45	34	27	23	29	24	20	24	20	17	19	16	14	12		12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	11		11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11382	11382	11382	11382
5°	11467	11490	11467	9034
10°	11390	11317	11390	8091
15°	11266	11073	11266	9246
20°	11031	10782	11031	9265
25°	10548	10358	10548	9069
30°	9925	10007	9925	8638
35°	8848	9562	8848	8164
40°	7373	9038	7373	7806
45°	6587	8425	6587	7394
50°	6998	7693	6998	6981
55°	6585	6906	6585	6742
60°	6787	5865	6787	6175
65°	6154	4848	6154	5419
70°	4261	3864	4261	4542
75°	3737	2856	3737	3420
80°	3011	1888	3011	2057
85°	1733	1000	1733	850

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10096 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.4	1.5
10°-20°	628.7	4.1
20°-30°	971.9	6.4
30°-40°	1160.3	7.7
40°-50°	1167.1	7.7
50°-60°	1015.5	6.7
60°-70°	720.0	4.8
70°-80°	380.9	2.5
80°-90°	100.0	0.7
90°-100°	660.6	4.4
100°-110°	1736.7	11.5
110°-120°	1800.7	11.9
120°-130°	1444.4	9.5
130°-140°	1133.3	7.5
140°-150°	869.9	5.7
150°-160°	626.5	4.1
160°-170°	383.3	2.5
170°-180°	129.5	0.9
0°-30°	1822.1	12.0
0°-40°	2982.3	19.7
0°-60°	5164.9	34.1
0°-90°	6365.8	42.0
90°-120°	4198.0	27.7
90°-150°	7645.6	50.5
90°-180°	8785.0	58.0
0°-180°	15150.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2453	2453	2453	2453	2453	
5°	2465	2541	2465	1998	2465	234
15°	2353	2518	2353	2103	2353	662
25°	2072	2349	2072	2056	2072	952
35°	1576	2096	1576	1789	1576	975
45°	1016	1727	1016	1516	1016	814
55°	829	1274	829	1244	829	761
65°	576	768	576	859	576	550
75°	218	364	218	436	218	229
85°	37	93	37	79	37	50
90°	9	34	9	34	9	9
95°	87	399	87	399	87	97
105°	313	2719	313	2719	313	332
115°	556	3502	556	3502	556	549
125°	773	2788	773	2788	773	686
135°	921	2164	921	2164	921	713
145°	1069	1755	1069	1755	1069	669
155°	1208	1512	1208	1512	1208	555
165°	1303	1408	1303	1408	1303	368
175°	1355	1364	1355	1364	1355	129
180°	1355	1355	1355	1355	1355	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2
2.5°	2474.1	2474.1	2488.0	2492.6	2492.6	2485.7	2478.7	2485.7	2506.6	2513.5	2511.2
5°	2464.8	2483.3	2508.9	2513.5	2518.2	2515.8	2511.2	2515.8	2539.1	2543.7	2546.0
7.5°	2446.2	2481.0	2513.5	2520.5	2527.5	2520.5	2518.2	2522.8	2546.0	2550.7	2550.7
10°	2423.0	2471.7	2508.9	2513.5	2520.5	2513.5	2513.5	2522.8	2546.0	2550.7	2553.0
12.5°	2390.5	2457.8	2492.6	2497.3	2506.6	2504.2	2501.9	2511.2	2534.4	2539.1	2539.1
15°	2353.4	2432.3	2464.8	2469.4	2485.7	2481.0	2481.0	2490.3	2515.8	2522.8	2520.5
17.5°	2302.3	2399.8	2436.9	2443.9	2455.5	2453.2	2455.5	2464.8	2488.0	2492.6	2495.0
20°	2244.3	2355.7	2399.8	2406.7	2418.4	2418.4	2418.4	2430.0	2453.2	2462.5	2462.5
22.5°	2165.4	2309.3	2355.7	2360.3	2374.2	2374.2	2378.9	2395.1	2416.0	2418.4	2418.4
25°	2072.5	2258.2	2297.6	2311.6	2325.6	2332.5	2339.4	2348.8	2355.7	2353.4	2355.7
27.5°	1975.0	2193.2	2244.3	2253.5	2272.2	2279.1	2288.4	2290.7	2293.1	2300.0	2295.4
30°	1866.0	2102.7	2179.3	2188.6	2218.8	2223.4	2214.1	2218.8	2230.4	2235.0	2239.7
32.5°	1743.0	1968.1	2112.1	2132.9	2160.7	2146.8	2144.5	2151.5	2170.0	2170.0	2174.7
35°	1575.8	1863.7	2049.3	2067.9	2088.8	2072.5	2081.8	2084.1	2095.8	2102.7	2100.4
37.5°	1392.5	1773.1	1984.3	1998.3	2014.6	1993.7	2007.5	2014.6	2023.8	2019.2	2019.2
40°	1230.1	1631.6	1907.8	1917.1	1930.9	1914.7	1928.7	1933.3	1938.0	1933.3	1930.9
42.5°	1109.4	1476.1	1826.5	1838.1	1828.9	1840.5	1845.1	1854.4	1847.4	1838.1	1838.1
45°	1016.5	1434.3	1738.3	1752.3	1738.3	1757.0	1763.9	1763.9	1743.0	1738.3	1736.0
47.5°	986.4	1350.7	1650.2	1650.2	1643.2	1666.4	1678.0	1661.7	1640.8	1633.9	1633.9
50°	984.0	1257.9	1529.5	1520.2	1552.7	1580.5	1568.9	1552.7	1536.4	1510.9	1510.9
52.5°	893.6	1144.2	1373.9	1408.8	1459.8	1476.1	1457.5	1441.3	1413.4	1401.9	1392.5
55°	828.6	1025.9	1232.4	1302.0	1355.4	1376.3	1341.4	1325.3	1283.5	1276.5	1271.9
57.5°	814.6	854.1	1102.4	1190.6	1255.6	1253.2	1232.4	1202.2	1167.4	1160.4	1158.1
60°	747.3	617.4	963.1	1067.6	1134.9	1127.9	1109.4	1081.5	1049.0	1044.4	1039.7
62.5°	677.7	447.9	805.3	923.7	1018.8	1016.5	1000.3	958.5	935.3	923.7	914.4
65°	575.6	376.0	573.3	768.2	905.2	909.7	875.0	844.8	819.3	805.3	803.0
67.5°	438.6	306.4	387.6	640.5	796.1	791.4	747.3	733.4	700.9	693.9	680.0
70°	324.9	204.2	269.2	519.9	689.3	677.7	642.9	626.7	596.5	580.2	570.9
72.5°	269.2	164.8	197.3	403.8	580.2	566.3	536.1	517.6	492.0	478.1	468.8
75°	218.2	174.1	150.9	299.4	471.1	461.9	434.0	415.4	394.5	376.0	378.3
77.5°	160.1	162.5	120.7	220.5	373.6	359.8	343.5	320.3	311.0	292.5	292.5
80°	120.7	127.6	90.6	150.9	269.2	269.2	255.3	239.1	222.8	213.5	213.5
82.5°	81.2	81.2	67.3	95.1	183.4	176.4	167.1	162.5	153.2	148.5	148.5
85°	37.2	46.4	41.8	58.1	99.8	104.4	104.4	99.8	97.5	92.8	95.1
87.5°	11.6	20.9	25.6	32.5	51.0	53.4	55.7	55.7	55.7	58.1	58.1
90°	9.1	16.4	23.6	25.5	40.1	59.5	69.1	61.4	46.0	34.5	34.5
92.5°	36.4	98.2	160.1	175.6	246.8	341.7	389.3	341.1	245.0	172.8	165.9
95°	87.3	200.5	313.7	342.0	607.3	960.9	1137.8	1015.3	770.4	586.6	565.8
97.5°	151.0	250.8	350.7	375.6	818.0	1407.7	1702.6	1625.2	1470.4	1354.3	1314.6
100°	200.1	290.6	381.2	403.8	894.6	1549.1	1876.3	1881.9	1893.3	1901.8	1854.6
102.5°	241.9	326.4	410.9	432.0	929.9	1593.6	1925.4	2024.0	2221.3	2369.2	2328.8
105°	312.9	384.4	455.9	473.8	955.9	1598.6	1920.0	2141.0	2583.3	2914.9	2893.2
107.5°	385.7	452.3	519.0	535.7	960.7	1527.5	1810.8	2119.3	2736.1	3198.7	3204.0
110°	434.8	495.0	555.3	570.3	953.5	1464.4	1719.9	2064.7	2754.3	3271.4	3294.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	483.0	540.3	597.8	612.1	953.7	1409.3	1637.1	1990.0	2695.7	3225.0	3259.8
115°	555.7	608.7	661.5	674.8	962.5	1346.2	1538.0	1877.9	2557.8	3067.7	3115.9
117.5°	627.5	675.7	723.7	735.8	980.4	1306.6	1469.7	1776.5	2390.1	2850.4	2903.8
120°	669.4	714.7	759.9	771.2	994.9	1293.3	1442.4	1722.8	2283.4	2703.9	2755.8
122.5°	710.3	756.0	801.6	813.0	1015.8	1286.3	1421.5	1674.0	2178.9	2557.5	2608.7
125°	773.1	814.7	856.3	866.7	1044.0	1280.6	1398.8	1613.3	2042.1	2363.8	2410.9
127.5°	824.0	866.1	908.1	918.6	1072.3	1277.2	1379.7	1563.8	1932.1	2208.2	2248.0
130°	851.2	896.6	941.8	953.1	1092.9	1279.2	1372.4	1536.3	1864.2	2110.0	2146.8
132.5°	879.4	924.8	970.0	981.3	1109.6	1280.6	1366.0	1512.8	1806.2	2026.3	2059.3
135°	921.3	962.5	1003.8	1014.1	1127.7	1279.3	1355.1	1478.0	1723.8	1908.1	1936.5
137.5°	964.0	1004.9	1045.7	1055.9	1155.1	1287.2	1353.3	1457.2	1665.0	1820.8	1844.1
140°	999.5	1037.1	1074.7	1084.1	1171.7	1288.6	1347.0	1436.7	1616.2	1750.8	1772.5
142.5°	1026.8	1061.6	1096.3	1105.0	1185.6	1293.2	1347.0	1425.7	1583.4	1701.6	1720.3
145°	1068.6	1098.9	1129.3	1136.9	1203.9	1293.2	1337.8	1402.3	1531.3	1628.0	1642.2
147.5°	1110.5	1140.0	1169.5	1176.9	1230.6	1302.1	1337.8	1388.6	1490.0	1566.2	1577.9
150°	1137.8	1164.5	1191.2	1197.8	1244.5	1306.7	1337.8	1380.7	1466.4	1530.7	1540.2
152.5°	1165.9	1186.1	1206.3	1211.4	1253.6	1309.7	1337.8	1374.5	1447.6	1502.5	1509.7
155°	1207.8	1222.8	1237.7	1241.5	1273.6	1316.4	1337.8	1367.0	1425.2	1468.9	1473.6
157.5°	1238.8	1253.2	1267.8	1271.4	1293.6	1323.1	1337.8	1360.5	1405.7	1439.7	1443.0
160°	1259.7	1271.0	1282.3	1285.1	1302.7	1326.1	1337.8	1357.2	1396.1	1425.1	1427.1
162.5°	1280.6	1289.0	1297.5	1299.6	1312.4	1329.3	1337.8	1354.2	1386.9	1411.5	1413.4
165°	1303.3	1311.0	1318.7	1320.6	1326.3	1334.0	1337.8	1349.6	1373.0	1390.6	1392.5
167.5°	1324.2	1327.8	1331.5	1332.4	1337.2	1343.7	1347.0	1354.6	1370.0	1381.5	1382.3
170°	1337.8	1341.5	1345.2	1346.1	1346.3	1346.8	1347.0	1354.6	1370.0	1381.5	1381.5
172.5°	1345.1	1345.9	1346.8	1347.0	1347.0	1347.0	1347.0	1353.0	1365.1	1374.3	1373.6
175°	1355.1	1355.1	1355.1	1355.1	1352.4	1348.8	1347.0	1350.8	1358.5	1364.3	1364.3
177.5°	1355.1	1355.1	1355.1	1355.1	1353.0	1350.2	1348.8	1351.8	1357.9	1362.4	1361.6
180°	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2
2.5°	2515.8	2508.9	2515.8	2511.2	2513.5	2506.6	2485.7	2478.7	2485.7	2492.6	2492.6
5°	2546.0	2541.4	2546.0	2546.0	2543.7	2539.1	2515.8	2511.2	2515.8	2518.2	2513.5
7.5°	2555.3	2548.3	2555.3	2550.7	2550.7	2546.0	2522.8	2518.2	2520.5	2527.5	2520.5
10°	2555.3	2548.3	2555.3	2553.0	2550.7	2546.0	2522.8	2513.5	2513.5	2520.5	2513.5
12.5°	2543.7	2539.1	2543.7	2539.1	2539.1	2534.4	2511.2	2501.9	2504.2	2506.6	2497.3
15°	2525.1	2518.2	2525.1	2520.5	2522.8	2515.8	2490.3	2481.0	2481.0	2485.7	2469.4
17.5°	2497.3	2488.0	2497.3	2495.0	2492.6	2488.0	2464.8	2455.5	2453.2	2455.5	2443.9
20°	2464.8	2457.8	2464.8	2462.5	2462.5	2453.2	2430.0	2418.4	2418.4	2418.4	2406.7
22.5°	2413.7	2406.7	2413.7	2418.4	2418.4	2416.0	2395.1	2378.9	2374.2	2374.2	2360.3
25°	2355.7	2348.8	2355.7	2355.7	2353.4	2355.7	2348.8	2339.4	2332.5	2325.6	2311.6
27.5°	2300.0	2295.4	2300.0	2295.4	2300.0	2293.1	2290.7	2288.4	2279.1	2272.2	2253.5
30°	2244.3	2239.7	2244.3	2239.7	2235.0	2230.4	2218.8	2214.1	2223.4	2218.8	2188.6
32.5°	2174.7	2170.0	2174.7	2174.7	2170.0	2170.0	2151.5	2144.5	2146.8	2160.7	2132.9
35°	2102.7	2095.8	2102.7	2100.4	2102.7	2095.8	2084.1	2081.8	2072.5	2088.8	2067.9
37.5°	2019.2	2012.2	2019.2	2019.2	2019.2	2023.8	2014.6	2007.5	1993.7	2014.6	1998.3
40°	1933.3	1924.0	1933.3	1930.9	1933.3	1938.0	1933.3	1928.7	1914.7	1930.9	1917.1
42.5°	1835.8	1833.5	1835.8	1838.1	1838.1	1847.4	1854.4	1845.1	1840.5	1828.9	1838.1
45°	1731.4	1726.7	1731.4	1736.0	1738.3	1743.0	1763.9	1763.9	1757.0	1738.3	1752.3
47.5°	1619.9	1608.3	1619.9	1633.9	1633.9	1640.8	1661.7	1678.0	1666.4	1643.2	1650.2
50°	1501.6	1503.9	1501.6	1510.9	1510.9	1536.4	1552.7	1568.9	1580.5	1552.7	1520.2
52.5°	1385.6	1383.2	1385.6	1392.5	1401.9	1413.4	1441.3	1457.5	1476.1	1459.8	1408.8
55°	1269.5	1274.2	1269.5	1271.9	1276.5	1283.5	1325.3	1341.4	1376.3	1355.4	1302.0
57.5°	1153.5	1146.5	1153.5	1158.1	1160.4	1167.4	1202.2	1232.4	1253.2	1255.6	1190.6
60°	1018.8	1009.6	1018.8	1039.7	1044.4	1049.0	1081.5	1109.4	1127.9	1134.9	1067.6
62.5°	900.5	884.3	900.5	914.4	923.7	935.3	958.5	1000.3	1016.5	1018.8	923.7
65°	775.2	768.2	775.2	803.0	805.3	819.3	844.8	875.0	909.7	905.2	768.2
67.5°	661.4	661.4	661.4	680.0	693.9	700.9	733.4	747.3	791.4	796.1	640.5
70°	557.0	554.7	557.0	570.9	580.2	596.5	626.7	642.9	677.7	689.3	519.9
72.5°	457.2	454.9	457.2	468.8	478.1	492.0	517.6	536.1	566.3	580.2	403.8
75°	369.1	364.4	369.1	378.3	376.0	394.5	415.4	434.0	461.9	471.1	299.4
77.5°	283.2	283.2	283.2	292.5	292.5	311.0	320.3	343.5	359.8	373.6	220.5
80°	211.2	208.9	211.2	213.5	213.5	222.8	239.1	255.3	269.2	269.2	150.9
82.5°	148.5	143.9	148.5	148.5	148.5	153.2	162.5	167.1	176.4	183.4	95.1
85°	92.8	92.8	92.8	95.1	92.8	97.5	99.8	104.4	104.4	99.8	58.1
87.5°	60.3	58.1	60.3	58.1	58.1	55.7	55.7	55.7	53.4	51.0	32.5
90°	34.5	34.5	34.5	34.5	34.5	46.0	61.4	69.1	59.5	40.1	25.5
92.5°	138.4	110.9	138.4	165.9	172.8	245.0	341.1	389.3	341.7	246.8	175.6
95°	482.5	399.3	482.5	565.8	586.6	770.4	1015.3	1137.8	960.9	607.3	342.0
97.5°	1156.2	997.7	1156.2	1314.6	1354.3	1470.4	1625.2	1702.6	1407.7	818.0	375.6
100°	1665.8	1477.0	1665.8	1854.6	1901.8	1893.3	1881.9	1876.3	1549.1	894.6	403.8
102.5°	2167.1	2005.4	2167.1	2328.8	2369.2	2221.3	2024.0	1925.4	1593.6	929.9	432.0
105°	2806.3	2719.4	2806.3	2893.2	2914.9	2583.3	2141.0	1920.0	1598.6	955.9	473.8
107.5°	3224.9	3245.9	3224.9	3204.0	3198.7	2736.1	2119.3	1810.8	1527.5	960.7	535.7
110°	3384.6	3475.2	3384.6	3294.1	3271.4	2754.3	2064.7	1719.9	1464.4	953.5	570.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3398.8	3537.9	3398.8	3259.8	3225.0	2695.7	1990.0	1637.1	1409.3	953.7	612.1
115°	3308.7	3501.5	3308.7	3115.9	3067.7	2557.8	1877.9	1538.0	1346.2	962.5	674.8
117.5°	3117.6	3331.5	3117.6	2903.8	2850.4	2390.1	1776.5	1469.7	1306.6	980.4	735.8
120°	2963.7	3171.4	2963.7	2755.8	2703.9	2283.4	1722.8	1442.4	1293.3	994.9	771.2
122.5°	2813.7	3018.6	2813.7	2608.7	2557.5	2178.9	1674.0	1421.5	1286.3	1015.8	813.0
125°	2599.8	2788.5	2599.8	2410.9	2363.8	2042.1	1613.3	1398.8	1280.6	1044.0	866.7
127.5°	2407.3	2566.6	2407.3	2248.0	2208.2	1932.1	1563.8	1379.7	1277.2	1072.3	918.6
130°	2293.9	2441.1	2293.9	2146.8	2110.0	1864.2	1536.3	1372.4	1279.2	1092.9	953.1
132.5°	2191.1	2322.8	2191.1	2059.3	2026.3	1806.2	1512.8	1366.0	1280.6	1109.6	981.3
135°	2050.1	2163.7	2050.1	1936.5	1908.1	1723.8	1478.0	1355.1	1279.3	1127.7	1014.1
137.5°	1937.0	2030.0	1937.0	1844.1	1820.8	1665.0	1457.2	1353.3	1287.2	1155.1	1055.9
140°	1859.5	1946.3	1859.5	1772.5	1750.8	1616.2	1436.7	1347.0	1288.6	1171.7	1084.1
142.5°	1795.1	1869.9	1795.1	1720.3	1701.6	1583.4	1425.7	1347.0	1293.2	1185.6	1105.0
145°	1698.7	1755.3	1698.7	1642.2	1628.0	1531.3	1402.3	1337.8	1293.2	1203.9	1136.9
147.5°	1624.8	1671.7	1624.8	1577.9	1566.2	1490.0	1388.6	1337.8	1302.1	1230.6	1176.9
150°	1578.2	1616.2	1578.2	1540.2	1530.7	1466.4	1380.7	1337.8	1306.7	1244.5	1197.8
152.5°	1538.3	1567.1	1538.3	1509.7	1502.5	1447.6	1374.5	1337.8	1309.7	1253.6	1211.4
155°	1492.6	1511.6	1492.6	1473.6	1468.9	1425.2	1367.0	1337.8	1316.4	1273.6	1241.5
157.5°	1456.4	1469.7	1456.4	1443.0	1439.7	1405.7	1360.5	1337.8	1323.1	1293.6	1271.4
160°	1434.7	1442.4	1434.7	1427.1	1425.1	1396.1	1357.2	1337.8	1326.1	1302.7	1285.1
162.5°	1420.7	1427.9	1420.7	1413.4	1411.5	1386.9	1354.2	1337.8	1329.3	1312.4	1299.6
165°	1400.2	1407.9	1400.2	1392.5	1390.6	1373.0	1349.6	1337.8	1334.0	1326.3	1320.6
167.5°	1385.5	1388.8	1385.5	1382.3	1381.5	1370.0	1354.6	1347.0	1343.7	1337.2	1332.4
170°	1381.5	1381.5	1381.5	1381.5	1381.5	1370.0	1354.6	1347.0	1346.8	1346.3	1346.1
172.5°	1370.7	1367.9	1370.7	1373.6	1374.3	1365.1	1353.0	1347.0	1347.0	1347.0	1347.0
175°	1364.3	1364.3	1364.3	1364.3	1364.3	1358.5	1350.8	1347.0	1348.8	1352.4	1355.1
177.5°	1358.4	1355.1	1358.4	1361.6	1362.4	1357.9	1351.8	1348.8	1350.2	1353.0	1355.1
180°	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2
2.5°	2488.0	2474.1	2474.1	2450.9	2441.6	2434.7	2423.0	2388.2	2378.9	2369.7	2383.5
5°	2508.9	2483.3	2464.8	2423.0	2388.2	2374.2	2330.1	2246.6	2190.9	2149.1	2125.9
7.5°	2513.5	2481.0	2446.2	2381.2	2297.6	2260.6	2125.9	1972.8	1930.9	1893.9	1870.6
10°	2508.9	2471.7	2423.0	2325.6	2128.2	2063.3	1928.7	1828.9	1803.3	1796.4	1803.3
12.5°	2492.6	2457.8	2390.5	2228.1	1951.8	1907.8	1828.9	1770.8	1766.2	1777.8	1840.5
15°	2464.8	2432.3	2353.4	2098.1	1854.4	1821.9	1766.2	1745.3	1770.8	1852.1	2040.0
17.5°	2436.9	2399.8	2302.3	1970.5	1780.1	1757.0	1717.4	1759.2	1903.1	2012.2	2074.9
20°	2399.8	2355.7	2244.3	1877.6	1726.7	1705.8	1687.3	1875.3	1984.3	2023.8	2058.6
22.5°	2355.7	2309.3	2165.4	1812.6	1671.1	1654.8	1666.4	1940.3	1984.3	2012.2	2042.4
25°	2297.6	2258.2	2072.5	1761.5	1627.0	1608.3	1652.4	1933.3	1958.8	1965.8	2026.2
27.5°	2244.3	2193.2	1975.0	1715.1	1573.6	1566.6	1664.1	1903.1	1921.7	1928.7	1993.7
30°	2179.3	2102.7	1866.0	1666.4	1517.9	1515.5	1666.4	1866.0	1861.4	1879.9	1944.9
32.5°	2112.1	1968.1	1743.0	1606.1	1464.5	1462.2	1650.2	1810.3	1805.6	1831.2	1879.9
35°	2049.3	1863.7	1575.8	1536.4	1397.2	1399.5	1610.7	1745.3	1747.6	1770.8	1801.0
37.5°	1984.3	1773.1	1392.5	1459.8	1332.2	1332.2	1557.3	1684.9	1680.4	1687.3	1729.0
40°	1907.8	1631.6	1230.1	1360.0	1271.9	1264.8	1492.3	1619.9	1603.7	1601.4	1659.5
42.5°	1826.5	1476.1	1109.4	1227.8	1202.2	1192.9	1413.4	1541.1	1510.9	1517.9	1592.1
45°	1738.3	1434.3	1016.5	1037.4	1130.3	1123.3	1327.6	1450.5	1429.7	1448.2	1524.8
47.5°	1650.2	1350.7	986.4	861.1	1053.7	1051.3	1232.4	1362.3	1350.7	1369.4	1450.5
50°	1529.5	1257.9	984.0	738.0	967.8	977.1	1118.7	1276.5	1276.5	1292.8	1378.6
52.5°	1373.9	1144.2	893.6	668.4	868.0	895.9	1018.8	1202.2	1206.9	1223.1	1299.7
55°	1232.4	1025.9	828.6	615.1	749.6	810.0	921.4	1125.6	1134.9	1151.2	1220.8
57.5°	1102.4	854.1	814.6	552.4	640.5	698.6	835.5	1051.3	1056.0	1069.9	1137.2
60°	963.1	617.4	747.3	485.1	545.4	589.5	756.6	963.1	979.4	988.7	1046.8
62.5°	805.3	447.9	677.7	438.6	499.0	508.3	691.7	879.6	900.5	907.5	942.2
65°	573.3	376.0	575.6	399.2	450.2	452.6	622.0	793.7	812.3	823.9	849.4
67.5°	387.6	306.4	438.6	362.0	413.2	415.4	554.7	693.9	719.5	728.7	745.0
70°	269.2	204.2	324.9	322.6	371.3	376.0	482.7	603.4	626.7	633.6	642.9
72.5°	197.3	164.8	269.2	290.1	327.3	331.9	408.5	501.3	524.5	531.5	536.1
75°	150.9	174.1	218.2	253.0	278.5	280.8	334.2	408.5	424.7	429.4	431.7
77.5°	120.7	162.5	160.1	204.2	227.5	222.8	262.3	315.7	329.5	329.5	329.5
80°	90.6	127.6	120.7	146.2	167.1	162.5	188.0	225.1	229.8	234.4	232.0
82.5°	67.3	81.2	81.2	92.8	111.4	106.8	125.3	146.2	146.2	146.2	150.9
85°	41.8	46.4	37.2	48.7	62.6	60.3	69.6	78.9	81.2	81.2	76.6
87.5°	25.6	20.9	11.6	18.5	27.8	27.8	32.5	34.8	32.5	32.5	32.5
90°	23.6	16.4	9.1	16.4	23.6	25.5	40.1	59.5	69.1	61.4	46.0
92.5°	160.1	98.2	36.4	98.2	160.1	175.6	246.8	341.7	389.3	341.1	245.0
95°	313.7	200.5	87.3	200.5	313.7	342.0	607.3	960.9	1137.8	1015.3	770.4
97.5°	350.7	250.8	151.0	250.8	350.7	375.6	818.0	1407.7	1702.6	1625.2	1470.4
100°	381.2	290.6	200.1	290.6	381.2	403.8	894.6	1549.1	1876.3	1881.9	1893.3
102.5°	410.9	326.4	241.9	326.4	410.9	432.0	929.9	1593.6	1925.4	2024.0	2221.3
105°	455.9	384.4	312.9	384.4	455.9	473.8	955.9	1598.6	1920.0	2141.0	2583.3
107.5°	519.0	452.3	385.7	452.3	519.0	535.7	960.7	1527.5	1810.8	2119.3	2736.1
110°	555.3	495.0	434.8	495.0	555.3	570.3	953.5	1464.4	1719.9	2064.7	2754.3



TEST NUMBER: P935665

CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	597.8	540.3	483.0	540.3	597.8	612.1	953.7	1409.3	1637.1	1990.0	2695.7
115°	661.5	608.7	555.7	608.7	661.5	674.8	962.5	1346.2	1538.0	1877.9	2557.8
117.5°	723.7	675.7	627.5	675.7	723.7	735.8	980.4	1306.6	1469.7	1776.5	2390.1
120°	759.9	714.7	669.4	714.7	759.9	771.2	994.9	1293.3	1442.4	1722.8	2283.4
122.5°	801.6	756.0	710.3	756.0	801.6	813.0	1015.8	1286.3	1421.5	1674.0	2178.9
125°	856.3	814.7	773.1	814.7	856.3	866.7	1044.0	1280.6	1398.8	1613.3	2042.1
127.5°	908.1	866.1	824.0	866.1	908.1	918.6	1072.3	1277.2	1379.7	1563.8	1932.1
130°	941.8	896.6	851.2	896.6	941.8	953.1	1092.9	1279.2	1372.4	1536.3	1864.2
132.5°	970.0	924.8	879.4	924.8	970.0	981.3	1109.6	1280.6	1366.0	1512.8	1806.2
135°	1003.8	962.5	921.3	962.5	1003.8	1014.1	1127.7	1279.3	1355.1	1478.0	1723.8
137.5°	1045.7	1004.9	964.0	1004.9	1045.7	1055.9	1155.1	1287.2	1353.3	1457.2	1665.0
140°	1074.7	1037.1	999.5	1037.1	1074.7	1084.1	1171.7	1288.6	1347.0	1436.7	1616.2
142.5°	1096.3	1061.6	1026.8	1061.6	1096.3	1105.0	1185.6	1293.2	1347.0	1425.7	1583.4
145°	1129.3	1098.9	1068.6	1098.9	1129.3	1136.9	1203.9	1293.2	1337.8	1402.3	1531.3
147.5°	1169.5	1140.0	1110.5	1140.0	1169.5	1176.9	1230.6	1302.1	1337.8	1388.6	1490.0
150°	1191.2	1164.5	1137.8	1164.5	1191.2	1197.8	1244.5	1306.7	1337.8	1380.7	1466.4
152.5°	1206.3	1186.1	1165.9	1186.1	1206.3	1211.4	1253.6	1309.7	1337.8	1374.5	1447.6
155°	1237.7	1222.8	1207.8	1222.8	1237.7	1241.5	1273.6	1316.4	1337.8	1367.0	1425.2
157.5°	1267.8	1253.2	1238.8	1253.2	1267.8	1271.4	1293.6	1323.1	1337.8	1360.5	1405.7
160°	1282.3	1271.0	1259.7	1271.0	1282.3	1285.1	1302.7	1326.1	1337.8	1357.2	1396.1
162.5°	1297.5	1289.0	1280.6	1289.0	1297.5	1299.6	1312.4	1329.3	1337.8	1354.2	1386.9
165°	1318.7	1311.0	1303.3	1311.0	1318.7	1320.6	1326.3	1334.0	1337.8	1349.6	1373.0
167.5°	1331.5	1327.8	1324.2	1327.8	1331.5	1332.4	1337.2	1343.7	1347.0	1354.6	1370.0
170°	1345.2	1341.5	1337.8	1341.5	1345.2	1346.1	1346.3	1346.8	1347.0	1354.6	1370.0
172.5°	1346.8	1345.9	1345.1	1345.9	1346.8	1347.0	1347.0	1347.0	1347.0	1353.0	1365.1
175°	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1352.4	1348.8	1347.0	1350.8	1358.5
177.5°	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1353.0	1350.2	1348.8	1351.8	1357.9
180°	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1



TEST NUMBER: P935665
 CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2	2453.2
2.5°	2367.3	2360.3	2369.7	2344.1	2369.7	2360.3	2367.3	2383.5	2369.7	2378.9	2388.2
5°	2077.2	2065.6	2028.4	1998.3	2028.4	2065.6	2077.2	2125.9	2149.1	2190.9	2246.6
7.5°	1856.7	1847.4	1838.1	1819.6	1838.1	1847.4	1856.7	1870.6	1893.9	1930.9	1972.8
10°	1808.0	1810.3	1824.2	1821.9	1824.2	1810.3	1808.0	1803.3	1796.4	1803.3	1828.9
12.5°	1933.3	1954.2	2030.8	2026.2	2030.8	1954.2	1933.3	1840.5	1777.8	1766.2	1770.8
15°	2077.2	2084.1	2100.4	2102.7	2100.4	2084.1	2077.2	2040.0	1852.1	1770.8	1745.3
17.5°	2091.1	2093.4	2105.0	2105.0	2105.0	2093.4	2091.1	2074.9	2012.2	1903.1	1759.2
20°	2079.6	2084.1	2107.4	2112.1	2107.4	2084.1	2079.6	2058.6	2023.8	1984.3	1875.3
22.5°	2074.9	2084.1	2102.7	2100.4	2102.7	2084.1	2074.9	2042.4	2012.2	1984.3	1940.3
25°	2051.6	2051.6	2054.0	2056.3	2054.0	2051.6	2051.6	2026.2	1965.8	1958.8	1933.3
27.5°	2003.0	2007.5	2021.5	2019.2	2021.5	2007.5	2003.0	1993.7	1928.7	1921.7	1903.1
30°	1958.8	1954.2	1942.5	1933.3	1942.5	1954.2	1958.8	1944.9	1879.9	1861.4	1866.0
32.5°	1884.6	1873.0	1861.4	1854.4	1861.4	1873.0	1884.6	1879.9	1831.2	1805.6	1810.3
35°	1796.4	1798.7	1796.4	1789.4	1796.4	1798.7	1796.4	1801.0	1770.8	1747.6	1745.3
37.5°	1733.7	1738.3	1736.0	1726.7	1736.0	1738.3	1733.7	1729.0	1687.3	1680.4	1684.9
40°	1668.7	1671.1	1668.7	1661.7	1668.7	1671.1	1668.7	1659.5	1601.4	1603.7	1619.9
42.5°	1606.1	1603.7	1596.8	1592.1	1596.8	1603.7	1606.1	1592.1	1517.9	1510.9	1541.1
45°	1534.1	1536.4	1522.5	1515.5	1522.5	1536.4	1534.1	1524.8	1448.2	1429.7	1450.5
47.5°	1462.2	1462.2	1450.5	1443.6	1450.5	1462.2	1462.2	1450.5	1369.4	1350.7	1362.3
50°	1385.6	1383.2	1367.0	1364.7	1367.0	1383.2	1385.6	1378.6	1292.8	1276.5	1276.5
52.5°	1297.3	1297.3	1299.7	1304.4	1299.7	1297.3	1297.3	1299.7	1223.1	1206.9	1202.2
55°	1220.8	1223.1	1239.4	1244.0	1239.4	1223.1	1220.8	1220.8	1151.2	1134.9	1125.6
57.5°	1141.9	1141.9	1153.5	1153.5	1153.5	1141.9	1141.9	1137.2	1069.9	1056.0	1051.3
60°	1051.3	1056.0	1065.3	1063.0	1065.3	1056.0	1051.3	1046.8	988.7	979.4	963.1
62.5°	956.2	960.9	963.1	958.5	963.1	960.9	956.2	942.2	907.5	900.5	879.6
65°	856.4	861.1	863.4	858.7	863.4	861.1	856.4	849.4	823.9	812.3	793.7
67.5°	754.3	752.0	749.6	758.9	749.6	752.0	754.3	745.0	728.7	719.5	693.9
70°	649.9	649.9	647.5	652.1	647.5	649.9	649.9	642.9	633.6	626.7	603.4
72.5°	538.5	536.1	545.4	538.5	545.4	536.1	538.5	536.1	531.5	524.5	501.3
75°	429.4	434.0	429.4	436.3	429.4	434.0	429.4	431.7	429.4	424.7	408.5
77.5°	327.3	331.9	327.3	327.3	327.3	331.9	327.3	329.5	329.5	329.5	315.7
80°	232.0	229.8	229.8	227.5	229.8	229.8	232.0	232.0	234.4	229.8	225.1
82.5°	148.5	146.2	146.2	150.9	146.2	146.2	148.5	150.9	146.2	146.2	146.2
85°	81.2	83.5	78.9	78.9	78.9	83.5	81.2	76.6	81.2	81.2	78.9
87.5°	30.2	27.8	27.8	27.8	27.8	27.8	30.2	32.5	32.5	32.5	34.8
90°	34.5	34.5	34.5	34.5	34.5	34.5	34.5	46.0	61.4	69.1	59.5
92.5°	172.8	165.9	138.4	110.9	138.4	165.9	172.8	245.0	341.1	389.3	341.7
95°	586.6	565.8	482.5	399.3	482.5	565.8	586.6	770.4	1015.3	1137.8	960.9
97.5°	1354.3	1314.6	1156.2	997.7	1156.2	1314.6	1354.3	1470.4	1625.2	1702.6	1407.7
100°	1901.8	1854.6	1665.8	1477.0	1665.8	1854.6	1901.8	1893.3	1881.9	1876.3	1549.1
102.5°	2369.2	2328.8	2167.1	2005.4	2167.1	2328.8	2369.2	2221.3	2024.0	1925.4	1593.6
105°	2914.9	2893.2	2806.3	2719.4	2806.3	2893.2	2914.9	2583.3	2141.0	1920.0	1598.6
107.5°	3198.7	3204.0	3224.9	3245.9	3224.9	3204.0	3198.7	2736.1	2119.3	1810.8	1527.5
110°	3271.4	3294.1	3384.6	3475.2	3384.6	3294.1	3271.4	2754.3	2064.7	1719.9	1464.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3225.0	3259.8	3398.8	3537.9	3398.8	3259.8	3225.0	2695.7	1990.0	1637.1	1409.3
115°	3067.7	3115.9	3308.7	3501.5	3308.7	3115.9	3067.7	2557.8	1877.9	1538.0	1346.2
117.5°	2850.4	2903.8	3117.6	3331.5	3117.6	2903.8	2850.4	2390.1	1776.5	1469.7	1306.6
120°	2703.9	2755.8	2963.7	3171.4	2963.7	2755.8	2703.9	2283.4	1722.8	1442.4	1293.3
122.5°	2557.5	2608.7	2813.7	3018.6	2813.7	2608.7	2557.5	2178.9	1674.0	1421.5	1286.3
125°	2363.8	2410.9	2599.8	2788.5	2599.8	2410.9	2363.8	2042.1	1613.3	1398.8	1280.6
127.5°	2208.2	2248.0	2407.3	2566.6	2407.3	2248.0	2208.2	1932.1	1563.8	1379.7	1277.2
130°	2110.0	2146.8	2293.9	2441.1	2293.9	2146.8	2110.0	1864.2	1536.3	1372.4	1279.2
132.5°	2026.3	2059.3	2191.1	2322.8	2191.1	2059.3	2026.3	1806.2	1512.8	1366.0	1280.6
135°	1908.1	1936.5	2050.1	2163.7	2050.1	1936.5	1908.1	1723.8	1478.0	1355.1	1279.3
137.5°	1820.8	1844.1	1937.0	2030.0	1937.0	1844.1	1820.8	1665.0	1457.2	1353.3	1287.2
140°	1750.8	1772.5	1859.5	1946.3	1859.5	1772.5	1750.8	1616.2	1436.7	1347.0	1288.6
142.5°	1701.6	1720.3	1795.1	1869.9	1795.1	1720.3	1701.6	1583.4	1425.7	1347.0	1293.2
145°	1628.0	1642.2	1698.7	1755.3	1698.7	1642.2	1628.0	1531.3	1402.3	1337.8	1293.2
147.5°	1566.2	1577.9	1624.8	1671.7	1624.8	1577.9	1566.2	1490.0	1388.6	1337.8	1302.1
150°	1530.7	1540.2	1578.2	1616.2	1578.2	1540.2	1530.7	1466.4	1380.7	1337.8	1306.7
152.5°	1502.5	1509.7	1538.3	1567.1	1538.3	1509.7	1502.5	1447.6	1374.5	1337.8	1309.7
155°	1468.9	1473.6	1492.6	1511.6	1492.6	1473.6	1468.9	1425.2	1367.0	1337.8	1316.4
157.5°	1439.7	1443.0	1456.4	1469.7	1456.4	1443.0	1439.7	1405.7	1360.5	1337.8	1323.1
160°	1425.1	1427.1	1434.7	1442.4	1434.7	1427.1	1425.1	1396.1	1357.2	1337.8	1326.1
162.5°	1411.5	1413.4	1420.7	1427.9	1420.7	1413.4	1411.5	1386.9	1354.2	1337.8	1329.3
165°	1390.6	1392.5	1400.2	1407.9	1400.2	1392.5	1390.6	1373.0	1349.6	1337.8	1334.0
167.5°	1381.5	1382.3	1385.5	1388.8	1385.5	1382.3	1381.5	1370.0	1354.6	1347.0	1343.7
170°	1381.5	1381.5	1381.5	1381.5	1381.5	1381.5	1381.5	1370.0	1354.6	1347.0	1346.8
172.5°	1374.3	1373.6	1370.7	1367.9	1370.7	1373.6	1374.3	1365.1	1353.0	1347.0	1347.0
175°	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1364.3	1358.5	1350.8	1347.0	1348.8
177.5°	1362.4	1361.6	1358.4	1355.1	1358.4	1361.6	1362.4	1357.9	1351.8	1348.8	1350.2
180°	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1	1355.1



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2453.2	2453.2	2453.2	2453.2	2453.2
2.5°	2423.0	2434.7	2441.6	2450.9	2474.1
5°	2330.1	2374.2	2388.2	2423.0	2464.8
7.5°	2125.9	2260.6	2297.6	2381.2	2446.2
10°	1928.7	2063.3	2128.2	2325.6	2423.0
12.5°	1828.9	1907.8	1951.8	2228.1	2390.5
15°	1766.2	1821.9	1854.4	2098.1	2353.4
17.5°	1717.4	1757.0	1780.1	1970.5	2302.3
20°	1687.3	1705.8	1726.7	1877.6	2244.3
22.5°	1666.4	1654.8	1671.1	1812.6	2165.4
25°	1652.4	1608.3	1627.0	1761.5	2072.5
27.5°	1664.1	1566.6	1573.6	1715.1	1975.0
30°	1666.4	1515.5	1517.9	1666.4	1866.0
32.5°	1650.2	1462.2	1464.5	1606.1	1743.0
35°	1610.7	1399.5	1397.2	1536.4	1575.8
37.5°	1557.3	1332.2	1332.2	1459.8	1392.5
40°	1492.3	1264.8	1271.9	1360.0	1230.1
42.5°	1413.4	1192.9	1202.2	1227.8	1109.4
45°	1327.6	1123.3	1130.3	1037.4	1016.5
47.5°	1232.4	1051.3	1053.7	861.1	986.4
50°	1118.7	977.1	967.8	738.0	984.0
52.5°	1018.8	895.9	868.0	668.4	893.6
55°	921.4	810.0	749.6	615.1	828.6
57.5°	835.5	698.6	640.5	552.4	814.6
60°	756.6	589.5	545.4	485.1	747.3
62.5°	691.7	508.3	499.0	438.6	677.7
65°	622.0	452.6	450.2	399.2	575.6
67.5°	554.7	415.4	413.2	362.0	438.6
70°	482.7	376.0	371.3	322.6	324.9
72.5°	408.5	331.9	327.3	290.1	269.2
75°	334.2	280.8	278.5	253.0	218.2
77.5°	262.3	222.8	227.5	204.2	160.1
80°	188.0	162.5	167.1	146.2	120.7
82.5°	125.3	106.8	111.4	92.8	81.2
85°	69.6	60.3	62.6	48.7	37.2
87.5°	32.5	27.8	27.8	18.5	11.6
90°	40.1	25.5	23.6	16.4	9.1
92.5°	246.8	175.6	160.1	98.2	36.4
95°	607.3	342.0	313.7	200.5	87.3
97.5°	818.0	375.6	350.7	250.8	151.0
100°	894.6	403.8	381.2	290.6	200.1
102.5°	929.9	432.0	410.9	326.4	241.9
105°	955.9	473.8	455.9	384.4	312.9
107.5°	960.7	535.7	519.0	452.3	385.7
110°	953.5	570.3	555.3	495.0	434.8



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CATALOG NUMBER: SQ4-FA-125U-100D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	953.7	612.1	597.8	540.3	483.0
115°	962.5	674.8	661.5	608.7	555.7
117.5°	980.4	735.8	723.7	675.7	627.5
120°	994.9	771.2	759.9	714.7	669.4
122.5°	1015.8	813.0	801.6	756.0	710.3
125°	1044.0	866.7	856.3	814.7	773.1
127.5°	1072.3	918.6	908.1	866.1	824.0
130°	1092.9	953.1	941.8	896.6	851.2
132.5°	1109.6	981.3	970.0	924.8	879.4
135°	1127.7	1014.1	1003.8	962.5	921.3
137.5°	1155.1	1055.9	1045.7	1004.9	964.0
140°	1171.7	1084.1	1074.7	1037.1	999.5
142.5°	1185.6	1105.0	1096.3	1061.6	1026.8
145°	1203.9	1136.9	1129.3	1098.9	1068.6
147.5°	1230.6	1176.9	1169.5	1140.0	1110.5
150°	1244.5	1197.8	1191.2	1164.5	1137.8
152.5°	1253.6	1211.4	1206.3	1186.1	1165.9
155°	1273.6	1241.5	1237.7	1222.8	1207.8
157.5°	1293.6	1271.4	1267.8	1253.2	1238.8
160°	1302.7	1285.1	1282.3	1271.0	1259.7
162.5°	1312.4	1299.6	1297.5	1289.0	1280.6
165°	1326.3	1320.6	1318.7	1311.0	1303.3
167.5°	1337.2	1332.4	1331.5	1327.8	1324.2
170°	1346.3	1346.1	1345.2	1341.5	1337.8
172.5°	1347.0	1347.0	1346.8	1345.9	1345.1
175°	1352.4	1355.1	1355.1	1355.1	1355.1
177.5°	1353.0	1355.1	1355.1	1355.1	1355.1
180°	1355.1	1355.1	1355.1	1355.1	1355.1



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	12.47	13.27	13.49	14.30	15.68	15.31	16.10	16.33	17.13	18.51
	3H	12.94	13.65	13.98	14.69	16.09	16.65	17.36	17.68	18.40	19.80
	4H	13.13	13.80	14.18	14.85	16.25	17.09	17.77	18.14	18.81	20.22
	6H	13.25	13.87	14.30	14.91	16.33	17.38	18.00	18.43	19.04	20.46
	8H	13.25	13.84	14.31	14.90	16.31	17.45	18.04	18.51	19.10	20.52
	12H	13.21	13.77	14.28	14.83	16.27	17.49	18.05	18.55	19.11	20.55
4H	2H	13.50	14.17	14.55	15.21	16.62	15.71	16.38	16.76	17.43	18.83
	3H	14.52	15.08	15.58	16.15	17.57	17.21	17.77	18.27	18.84	20.26
	4H	14.79	15.31	15.86	16.37	17.81	17.74	18.25	18.80	19.31	20.76
	6H	14.91	15.35	15.99	16.44	17.88	18.10	18.54	19.18	19.63	21.07
	8H	14.92	15.33	15.99	16.41	17.86	18.21	18.62	19.28	19.70	21.15
	12H	14.88	15.25	15.97	16.34	17.80	18.26	18.64	19.36	19.73	21.18
8H	4H	15.24	15.65	16.32	16.73	18.18	17.86	18.27	18.93	19.35	20.80
	6H	15.50	15.84	16.60	16.96	18.41	18.29	18.63	19.39	19.75	21.20
	8H	15.54	15.84	16.65	16.94	18.41	18.45	18.74	19.55	19.85	21.32
	12H	15.52	15.78	16.63	16.88	18.39	18.54	18.80	19.65	19.90	21.41
12H	4H	15.24	15.62	16.34	16.71	18.17	17.82	18.19	18.91	19.28	20.74
	6H	15.56	15.86	16.67	16.96	18.43	18.29	18.59	19.39	19.69	21.16
	8H	15.62	15.89	16.73	16.98	18.49	18.45	18.71	19.56	19.81	21.32