

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: P935348

Luminaire Tested: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-8-6500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935348
REPORT IS A COMBINATION OF REPORTS P933752 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-8-6500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

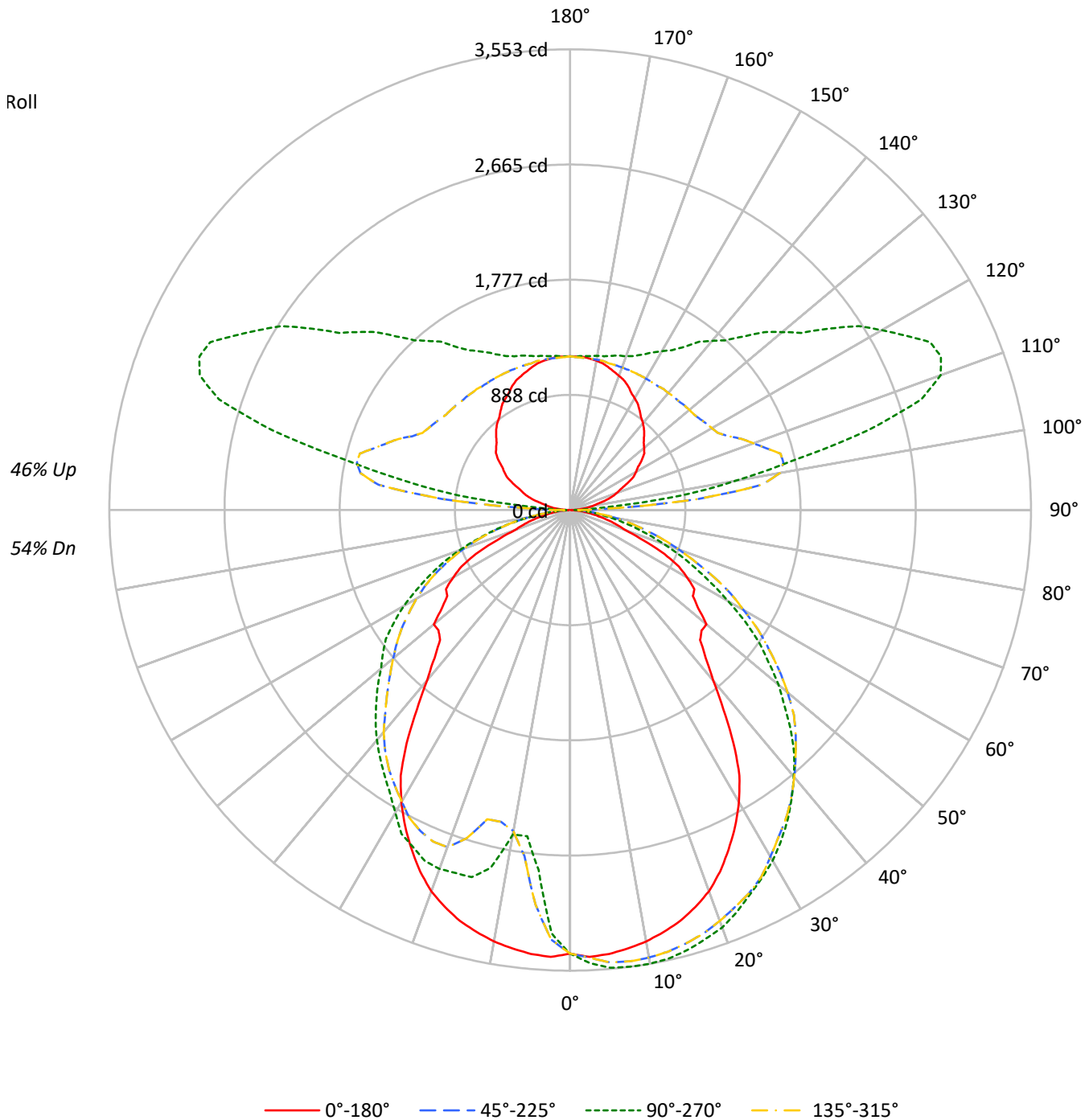
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16556.5 lumens
Efficiency: N/A
Efficacy: 120.3 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): 137.6
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	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	54
1	99	94	90	87	91	88	84	81	75	73	70	63	62	60	53	51	50	45
2	90	82	76	71	83	77	71	67	66	62	58	56	53	50	46	44	42	38
3	82	72	65	59	76	67	61	56	58	53	49	49	46	42	41	38	36	32
4	75	64	56	50	69	60	53	47	51	46	42	44	40	36	37	34	31	28
5	69	57	49	43	64	53	46	41	46	40	36	39	35	31	33	30	27	24
6	63	51	43	37	59	48	41	35	41	36	31	35	31	28	30	26	24	21
7	59	46	38	33	54	43	36	31	38	32	28	32	28	24	27	24	21	19
8	54	42	34	29	50	39	32	27	34	29	24	29	25	22	25	22	19	17
9	51	38	31	26	47	36	29	24	31	26	22	27	23	19	23	20	17	15
10	47	35	28	23	44	33	26	22	29	23	20	25	21	18	21	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15870	15870	15870	15870
5°	15988	16020	15988	12597
10°	15881	15780	15881	11282
15°	15709	15438	15709	12892
20°	15380	15033	15380	12918
25°	14708	14443	14708	12644
30°	13839	13952	13839	12044
35°	12337	13332	12337	11383
40°	10280	12602	10280	10884
45°	9185	11747	9185	10310
50°	9758	10727	9758	9734
55°	9181	9629	9181	9401
60°	9464	8178	9464	8610
65°	8580	6760	8580	7556
70°	5941	5387	5941	6334
75°	5210	3982	5210	4768
80°	4199	2633	4199	2867
85°	2408	1395	2408	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14078 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.8	1.9
10°-20°	876.6	5.3
20°-30°	1355.1	8.2
30°-40°	1617.8	9.8
40°-50°	1627.2	9.8
50°-60°	1415.9	8.6
60°-70°	1003.9	6.1
70°-80°	531.1	3.2
80°-90°	136.8	0.8
90°-100°	577.8	3.5
100°-110°	1518.9	9.2
110°-120°	1574.9	9.5
120°-130°	1263.3	7.6
130°-140°	991.2	6.0
140°-150°	760.8	4.6
150°-160°	547.9	3.3
160°-170°	335.2	2.0
170°-180°	113.3	0.7
0°-30°	2540.5	15.3
0°-40°	4158.3	25.1
0°-60°	7201.4	43.5
0°-90°	8873.2	53.6
90°-120°	3671.6	22.2
90°-150°	6686.9	40.4
90°-180°	7683.0	46.4
0°-180°	16556.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3420	3420	3420	3420	3420	
5°	3437	3544	3437	2786	3437	326
15°	3281	3511	3281	2932	3281	923
25°	2890	3275	2890	2867	2890	1327
35°	2197	2922	2197	2495	2197	1359
45°	1417	2408	1417	2113	1417	1135
55°	1155	1777	1155	1734	1155	1062
65°	802	1071	802	1197	802	767
75°	304	508	304	608	304	320
85°	52	130	52	110	52	70
90°	8	30	8	30	8	9
95°	76	349	76	349	76	85
105°	274	2378	274	2378	274	290
115°	486	3062	486	3062	486	480
125°	676	2439	676	2439	676	600
135°	806	1892	806	1892	806	623
145°	935	1535	935	1535	935	586
155°	1056	1322	1056	1322	1056	485
165°	1140	1231	1140	1231	1140	322
175°	1185	1193	1185	1193	1185	113
180°	1185	1185	1185	1185	1185	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5
2.5°	3449.6	3449.6	3469.0	3475.5	3475.5	3465.8	3456.1	3465.8	3494.9	3504.6	3501.4
5°	3436.7	3462.6	3498.1	3504.6	3511.0	3507.9	3501.4	3507.9	3540.2	3546.7	3550.0
7.5°	3410.7	3459.3	3504.6	3514.3	3524.0	3514.3	3511.0	3517.5	3550.0	3556.4	3556.4
10°	3378.4	3446.4	3498.1	3504.6	3514.3	3504.6	3504.6	3517.5	3550.0	3556.4	3559.6
12.5°	3333.1	3426.9	3475.5	3482.0	3494.9	3491.6	3488.5	3501.4	3533.7	3540.2	3540.2
15°	3281.4	3391.3	3436.7	3443.2	3465.8	3459.3	3459.3	3472.2	3507.9	3517.5	3514.3
17.5°	3210.1	3346.0	3397.8	3407.5	3423.7	3420.5	3423.7	3436.7	3469.0	3475.5	3478.7
20°	3129.2	3284.5	3346.0	3355.8	3371.9	3371.9	3371.9	3388.1	3420.5	3433.4	3433.4
22.5°	3019.2	3219.9	3284.5	3291.0	3310.4	3310.4	3316.9	3339.6	3368.7	3371.9	3371.9
25°	2889.8	3148.6	3203.6	3223.0	3242.5	3252.2	3262.0	3274.9	3284.5	3281.4	3284.5
27.5°	2753.8	3058.0	3129.2	3142.1	3168.1	3177.8	3190.7	3194.0	3197.2	3206.9	3200.4
30°	2601.8	2931.9	3038.6	3051.6	3093.7	3100.1	3087.2	3093.7	3109.8	3116.3	3122.7
32.5°	2430.3	2744.2	2944.8	2974.0	3012.8	2993.4	2990.1	2999.8	3025.7	3025.7	3032.2
35°	2197.2	2598.6	2857.4	2883.3	2912.4	2889.8	2902.7	2906.0	2922.1	2931.9	2928.6
37.5°	1941.6	2472.3	2766.8	2786.3	2808.9	2779.7	2799.2	2808.9	2821.8	2815.3	2815.3
40°	1715.1	2274.9	2660.0	2672.9	2692.4	2669.7	2689.1	2695.6	2702.1	2695.6	2692.4
42.5°	1546.8	2058.1	2546.7	2562.9	2550.0	2566.1	2572.6	2585.5	2575.9	2562.9	2562.9
45°	1417.4	1999.9	2423.8	2443.2	2423.8	2449.7	2459.4	2459.4	2430.3	2423.8	2420.5
47.5°	1375.3	1883.3	2300.8	2300.8	2291.1	2323.5	2339.6	2317.0	2287.9	2278.1	2278.1
50°	1372.0	1753.9	2132.5	2119.6	2164.9	2203.7	2187.6	2164.9	2142.3	2106.7	2106.7
52.5°	1245.8	1595.3	1915.7	1964.3	2035.4	2058.1	2032.2	2009.5	1970.7	1954.6	1941.6
55°	1155.3	1430.4	1718.4	1815.4	1889.8	1919.0	1870.4	1847.7	1789.5	1779.9	1773.4
57.5°	1135.9	1190.8	1537.1	1660.0	1750.7	1747.4	1718.4	1676.3	1627.7	1618.0	1614.8
60°	1042.0	860.8	1343.0	1488.6	1582.4	1572.7	1546.8	1508.0	1462.7	1456.2	1449.8
62.5°	944.9	624.6	1122.9	1287.9	1420.6	1417.4	1394.7	1336.5	1304.2	1287.9	1275.0
65°	802.5	524.3	799.3	1071.1	1262.1	1268.5	1220.0	1177.9	1142.3	1122.9	1119.7
67.5°	611.6	427.1	540.4	893.2	1109.9	1103.4	1042.0	1022.6	977.3	967.6	948.2
70°	453.0	284.8	375.4	724.9	961.1	944.9	896.3	873.8	831.7	809.0	796.0
72.5°	375.4	229.8	275.1	563.1	809.0	789.6	747.6	721.6	686.1	666.7	653.7
75°	304.2	242.7	210.4	417.5	656.9	644.0	605.2	579.3	550.1	524.3	527.4
77.5°	223.3	226.5	168.3	307.4	521.0	501.6	479.0	446.5	433.6	407.7	407.7
80°	168.3	177.9	126.2	210.4	375.4	375.4	356.0	333.3	310.7	297.8	297.8
82.5°	113.2	113.2	93.8	132.7	255.7	245.9	233.0	226.5	213.6	207.1	207.1
85°	51.7	64.7	58.2	80.9	139.1	145.6	145.6	139.1	135.9	129.5	132.7
87.5°	16.2	29.2	35.6	45.3	71.2	74.4	77.6	77.6	77.6	80.9	80.9
90°	7.9	14.3	20.7	22.3	35.0	51.9	60.4	53.7	40.3	30.2	30.2
92.5°	31.8	86.0	140.1	153.6	215.8	298.9	340.4	298.3	214.3	151.2	145.2
95°	76.4	175.4	274.3	299.1	531.1	840.4	995.1	888.0	673.7	513.1	494.9
97.5°	132.1	219.4	306.7	328.5	715.4	1231.2	1489.1	1421.4	1286.0	1184.4	1149.8
100°	175.0	254.2	333.4	353.2	782.5	1354.8	1641.0	1646.0	1655.8	1663.3	1622.0
102.5°	211.6	285.4	359.3	377.8	813.1	1393.7	1684.0	1770.2	1942.8	2072.2	2036.8
105°	273.7	336.2	398.7	414.4	836.0	1398.1	1679.2	1872.5	2259.3	2549.4	2530.4
107.5°	337.2	395.6	453.9	468.5	840.3	1335.9	1583.7	1853.5	2393.0	2797.5	2802.1
110°	380.2	432.9	485.6	498.8	833.9	1280.7	1504.2	1805.8	2408.8	2861.2	2881.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	422.4	472.6	522.8	535.4	834.2	1232.6	1431.8	1740.5	2357.7	2820.7	2851.1
115°	486.0	532.3	578.7	590.3	841.8	1177.4	1345.1	1642.5	2237.1	2683.1	2725.2
117.5°	548.9	590.9	633.0	643.5	857.5	1142.7	1285.4	1553.7	2090.4	2492.9	2539.6
120°	585.5	625.1	664.6	674.5	870.2	1131.2	1261.6	1506.8	1997.1	2364.9	2410.3
122.5°	621.2	661.2	701.2	711.1	888.5	1125.0	1243.2	1464.0	1905.6	2236.8	2281.7
125°	676.1	712.6	749.0	758.1	913.2	1120.0	1223.4	1411.0	1786.1	2067.4	2108.7
127.5°	720.7	757.4	794.2	803.4	937.8	1117.1	1206.7	1367.7	1689.8	1931.3	1966.1
130°	744.5	784.1	823.7	833.6	955.8	1118.8	1200.3	1343.6	1630.4	1845.5	1877.6
132.5°	769.2	808.7	848.3	858.3	970.4	1120.0	1194.8	1323.1	1579.7	1772.2	1801.0
135°	805.8	841.8	878.0	887.0	986.4	1118.9	1185.2	1292.7	1507.6	1668.8	1693.7
137.5°	843.2	878.8	914.6	923.5	1010.2	1125.8	1183.6	1274.4	1456.2	1592.4	1612.8
140°	874.2	907.0	939.9	948.2	1024.8	1127.0	1178.0	1256.5	1413.5	1531.2	1550.3
142.5°	898.1	928.5	958.9	966.4	1037.0	1131.0	1178.0	1247.0	1384.9	1488.3	1504.7
145°	934.7	961.2	987.7	994.3	1053.0	1131.1	1170.1	1226.5	1339.2	1423.9	1436.2
147.5°	971.2	997.0	1022.8	1029.3	1076.3	1138.8	1170.1	1214.5	1303.2	1369.7	1380.0
150°	995.1	1018.4	1041.8	1047.6	1088.4	1142.8	1170.1	1207.6	1282.5	1338.8	1347.1
152.5°	1019.8	1037.5	1055.2	1059.6	1096.4	1145.5	1170.1	1202.1	1266.1	1314.1	1320.4
155°	1056.3	1069.4	1082.5	1085.8	1113.9	1151.4	1170.1	1195.5	1246.5	1284.6	1288.8
157.5°	1083.4	1096.1	1108.9	1112.1	1131.4	1157.2	1170.1	1189.9	1229.5	1259.2	1262.1
160°	1101.7	1111.7	1121.5	1124.0	1139.4	1159.9	1170.1	1187.1	1221.1	1246.5	1248.2
162.5°	1120.0	1127.4	1134.9	1136.7	1147.8	1162.6	1170.1	1184.4	1213.0	1234.5	1236.2
165°	1139.9	1146.6	1153.3	1155.0	1160.1	1166.7	1170.1	1180.3	1200.9	1216.3	1218.0
167.5°	1158.1	1161.3	1164.5	1165.3	1169.5	1175.2	1178.0	1184.7	1198.2	1208.2	1208.9
170°	1170.1	1173.2	1176.5	1177.3	1177.6	1177.8	1178.0	1184.7	1198.2	1208.2	1208.2
172.5°	1176.5	1177.2	1177.8	1178.0	1178.0	1178.0	1178.0	1183.4	1194.0	1201.9	1201.4
175°	1185.2	1185.2	1185.2	1185.2	1182.8	1179.7	1178.0	1181.4	1188.1	1193.1	1193.1
177.5°	1185.2	1185.2	1185.2	1185.2	1183.4	1180.9	1179.7	1182.3	1187.6	1191.6	1190.9
180°	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5
2.5°	3507.9	3498.1	3507.9	3501.4	3504.6	3494.9	3465.8	3456.1	3465.8	3475.5	3475.5
5°	3550.0	3543.5	3550.0	3550.0	3546.7	3540.2	3507.9	3501.4	3507.9	3511.0	3504.6
7.5°	3562.9	3553.1	3562.9	3556.4	3556.4	3550.0	3517.5	3511.0	3514.3	3524.0	3514.3
10°	3562.9	3553.1	3562.9	3559.6	3556.4	3550.0	3517.5	3504.6	3504.6	3514.3	3504.6
12.5°	3546.7	3540.2	3546.7	3540.2	3540.2	3533.7	3501.4	3488.5	3491.6	3494.9	3482.0
15°	3520.8	3511.0	3520.8	3514.3	3517.5	3507.9	3472.2	3459.3	3459.3	3465.8	3443.2
17.5°	3482.0	3469.0	3482.0	3478.7	3475.5	3469.0	3436.7	3423.7	3420.5	3423.7	3407.5
20°	3436.7	3426.9	3436.7	3433.4	3433.4	3420.5	3388.1	3371.9	3371.9	3371.9	3355.8
22.5°	3365.4	3355.8	3365.4	3371.9	3371.9	3368.7	3339.6	3316.9	3310.4	3310.4	3291.0
25°	3284.5	3274.9	3284.5	3284.5	3281.4	3284.5	3274.9	3262.0	3252.2	3242.5	3223.0
27.5°	3206.9	3200.4	3206.9	3200.4	3206.9	3197.2	3194.0	3190.7	3177.8	3168.1	3142.1
30°	3129.2	3122.7	3129.2	3122.7	3116.3	3109.8	3093.7	3087.2	3100.1	3093.7	3051.6
32.5°	3032.2	3025.7	3032.2	3032.2	3025.7	3025.7	2999.8	2990.1	2993.4	3012.8	2974.0
35°	2931.9	2922.1	2931.9	2928.6	2931.9	2922.1	2906.0	2902.7	2889.8	2912.4	2883.3
37.5°	2815.3	2805.7	2815.3	2815.3	2815.3	2821.8	2808.9	2799.2	2779.7	2808.9	2786.3
40°	2695.6	2682.7	2695.6	2692.4	2695.6	2702.1	2695.6	2689.1	2669.7	2692.4	2672.9
42.5°	2559.7	2556.5	2559.7	2562.9	2562.9	2575.9	2585.5	2572.6	2566.1	2550.0	2562.9
45°	2414.1	2407.6	2414.1	2420.5	2423.8	2430.3	2459.4	2459.4	2449.7	2423.8	2443.2
47.5°	2258.7	2242.6	2258.7	2278.1	2278.1	2287.9	2317.0	2339.6	2323.5	2291.1	2300.8
50°	2093.7	2096.9	2093.7	2106.7	2106.7	2142.3	2164.9	2187.6	2203.7	2164.9	2119.6
52.5°	1931.9	1928.6	1931.9	1941.6	1954.6	1970.7	2009.5	2032.2	2058.1	2035.4	1964.3
55°	1770.1	1776.6	1770.1	1773.4	1779.9	1789.5	1847.7	1870.4	1919.0	1889.8	1815.4
57.5°	1608.3	1598.6	1608.3	1614.8	1618.0	1627.7	1676.3	1718.4	1747.4	1750.7	1660.0
60°	1420.6	1407.7	1420.6	1449.8	1456.2	1462.7	1508.0	1546.8	1572.7	1582.4	1488.6
62.5°	1255.6	1232.9	1255.6	1275.0	1287.9	1304.2	1336.5	1394.7	1417.4	1420.6	1287.9
65°	1080.8	1071.1	1080.8	1119.7	1122.9	1142.3	1177.9	1220.0	1268.5	1262.1	1071.1
67.5°	922.2	922.2	922.2	948.2	967.6	977.3	1022.6	1042.0	1103.4	1109.9	893.2
70°	776.6	773.4	776.6	796.0	809.0	831.7	873.8	896.3	944.9	961.1	724.9
72.5°	637.5	634.2	637.5	653.7	666.7	686.1	721.6	747.6	789.6	809.0	563.1
75°	514.5	508.0	514.5	527.4	524.3	550.1	579.3	605.2	644.0	656.9	417.5
77.5°	394.8	394.8	394.8	407.7	407.7	433.6	446.5	479.0	501.6	521.0	307.4
80°	294.5	291.3	294.5	297.8	297.8	310.7	333.3	356.0	375.4	375.4	210.4
82.5°	207.1	200.6	207.1	207.1	207.1	213.6	226.5	233.0	245.9	255.7	132.7
85°	129.5	129.5	129.5	132.7	129.5	135.9	139.1	145.6	145.6	139.1	80.9
87.5°	84.1	80.9	84.1	80.9	80.9	77.6	77.6	77.6	74.4	71.2	45.3
90°	30.2	30.2	30.2	30.2	30.2	40.3	53.7	60.4	51.9	35.0	22.3
92.5°	121.1	97.1	121.1	145.2	151.2	214.3	298.3	340.4	298.9	215.8	153.6
95°	422.1	349.2	422.1	494.9	513.1	673.7	888.0	995.1	840.4	531.1	299.1
97.5°	1011.2	872.6	1011.2	1149.8	1184.4	1286.0	1421.4	1489.1	1231.2	715.4	328.5
100°	1457.0	1291.8	1457.0	1622.0	1663.3	1655.8	1646.0	1641.0	1354.8	782.5	353.2
102.5°	1895.4	1753.9	1895.4	2036.8	2072.2	1942.8	1770.2	1684.0	1393.7	813.1	377.8
105°	2454.4	2378.3	2454.4	2530.4	2549.4	2259.3	1872.5	1679.2	1398.1	836.0	414.4
107.5°	2820.6	2838.9	2820.6	2802.1	2797.5	2393.0	1853.5	1583.7	1335.9	840.3	468.5
110°	2960.2	3039.4	2960.2	2881.0	2861.2	2408.8	1805.8	1504.2	1280.7	833.9	498.8



TEST NUMBER: P935348

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-8-6500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2972.6	3094.2	2972.6	2851.1	2820.7	2357.7	1740.5	1431.8	1232.6	834.2	535.4
115°	2893.8	3062.5	2893.8	2725.2	2683.1	2237.1	1642.5	1345.1	1177.4	841.8	590.3
117.5°	2726.7	2913.7	2726.7	2539.6	2492.9	2090.4	1553.7	1285.4	1142.7	857.5	643.5
120°	2592.0	2773.7	2592.0	2410.3	2364.9	1997.1	1506.8	1261.6	1131.2	870.2	674.5
122.5°	2460.9	2640.0	2460.9	2281.7	2236.8	1905.6	1464.0	1243.2	1125.0	888.5	711.1
125°	2273.7	2438.9	2273.7	2108.7	2067.4	1786.1	1411.0	1223.4	1120.0	913.2	758.1
127.5°	2105.4	2244.8	2105.4	1966.1	1931.3	1689.8	1367.7	1206.7	1117.1	937.8	803.4
130°	2006.3	2135.0	2006.3	1877.6	1845.5	1630.4	1343.6	1200.3	1118.8	955.8	833.6
132.5°	1916.3	2031.5	1916.3	1801.0	1772.2	1579.7	1323.1	1194.8	1120.0	970.4	858.3
135°	1793.1	1892.4	1793.1	1693.7	1668.8	1507.6	1292.7	1185.2	1118.9	986.4	887.0
137.5°	1694.1	1775.5	1694.1	1612.8	1592.4	1456.2	1274.4	1183.6	1125.8	1010.2	923.5
140°	1626.2	1702.2	1626.2	1550.3	1531.2	1413.5	1256.5	1178.0	1127.0	1024.8	948.2
142.5°	1570.1	1635.5	1570.1	1504.7	1488.3	1384.9	1247.0	1178.0	1131.0	1037.0	966.4
145°	1485.7	1535.2	1485.7	1436.2	1423.9	1339.2	1226.5	1170.1	1131.1	1053.0	994.3
147.5°	1421.0	1462.0	1421.0	1380.0	1369.7	1303.2	1214.5	1170.1	1138.8	1076.3	1029.3
150°	1380.3	1413.5	1380.3	1347.1	1338.8	1282.5	1207.6	1170.1	1142.8	1088.4	1047.6
152.5°	1345.5	1370.5	1345.5	1320.4	1314.1	1266.1	1202.1	1170.1	1145.5	1096.4	1059.6
155°	1305.4	1322.0	1305.4	1288.8	1284.6	1246.5	1195.5	1170.1	1151.4	1113.9	1085.8
157.5°	1273.7	1285.4	1273.7	1262.1	1259.2	1229.5	1189.9	1170.1	1157.2	1131.4	1112.1
160°	1254.9	1261.6	1254.9	1248.2	1246.5	1221.1	1187.1	1170.1	1159.9	1139.4	1124.0
162.5°	1242.5	1248.9	1242.5	1236.2	1234.5	1213.0	1184.4	1170.1	1162.6	1147.8	1136.7
165°	1224.7	1231.4	1224.7	1218.0	1216.3	1200.9	1180.3	1170.1	1166.7	1160.1	1155.0
167.5°	1211.8	1214.7	1211.8	1208.9	1208.2	1198.2	1184.7	1178.0	1175.2	1169.5	1165.3
170°	1208.2	1208.2	1208.2	1208.2	1208.2	1198.2	1184.7	1178.0	1177.8	1177.6	1177.3
172.5°	1198.9	1196.4	1198.9	1201.4	1201.9	1194.0	1183.4	1178.0	1178.0	1178.0	1178.0
175°	1193.1	1193.1	1193.1	1193.1	1193.1	1188.1	1181.4	1178.0	1179.7	1182.8	1185.2
177.5°	1188.1	1185.2	1188.1	1190.9	1191.6	1187.6	1182.3	1179.7	1180.9	1183.4	1185.2
180°	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2



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CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-8-6500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5
2.5°	3469.0	3449.6	3449.6	3417.2	3404.3	3394.6	3378.4	3329.8	3316.9	3303.9	3323.4
5°	3498.1	3462.6	3436.7	3378.4	3329.8	3310.4	3249.0	3132.5	3054.8	2996.5	2964.2
7.5°	3504.6	3459.3	3410.7	3320.2	3203.6	3151.9	2964.2	2750.6	2692.4	2640.6	2608.2
10°	3498.1	3446.4	3378.4	3242.5	2967.4	2876.8	2689.1	2550.0	2514.4	2504.7	2514.4
12.5°	3475.5	3426.9	3333.1	3106.6	2721.5	2660.0	2550.0	2469.1	2462.6	2478.8	2566.1
15°	3436.7	3391.3	3281.4	2925.4	2585.5	2540.3	2462.6	2433.5	2469.1	2582.4	2844.5
17.5°	3397.8	3346.0	3210.1	2747.4	2482.0	2449.7	2394.7	2452.9	2653.5	2805.7	2893.0
20°	3346.0	3284.5	3129.2	2618.0	2407.6	2378.4	2352.6	2614.7	2766.8	2821.8	2870.4
22.5°	3284.5	3219.9	3019.2	2527.3	2330.0	2307.3	2323.5	2705.4	2766.8	2805.7	2847.7
25°	3203.6	3148.6	2889.8	2456.2	2268.5	2242.6	2304.0	2695.6	2731.2	2740.9	2825.1
27.5°	3129.2	3058.0	2753.8	2391.4	2194.0	2184.3	2320.2	2653.5	2679.4	2689.1	2779.7
30°	3038.6	2931.9	2601.8	2323.5	2116.3	2113.1	2323.5	2601.8	2595.3	2621.2	2711.8
32.5°	2944.8	2744.2	2430.3	2239.3	2042.0	2038.7	2300.8	2524.1	2517.7	2553.2	2621.2
35°	2857.4	2598.6	2197.2	2142.3	1948.1	1951.3	2245.8	2433.5	2436.8	2469.1	2511.2
37.5°	2766.8	2472.3	1941.6	2035.4	1857.5	1857.5	2171.3	2349.4	2342.9	2352.6	2410.8
40°	2660.0	2274.9	1715.1	1896.3	1773.4	1763.6	2080.8	2258.7	2236.1	2232.9	2313.8
42.5°	2546.7	2058.1	1546.8	1711.9	1676.3	1663.3	1970.7	2148.8	2106.7	2116.3	2219.9
45°	2423.8	1999.9	1417.4	1446.5	1575.9	1566.2	1851.0	2022.5	1993.4	2019.3	2126.1
47.5°	2300.8	1883.3	1375.3	1200.6	1469.2	1465.9	1718.4	1899.6	1883.3	1909.2	2022.5
50°	2132.5	1753.9	1372.0	1029.1	1349.4	1362.4	1559.7	1779.9	1779.9	1802.4	1922.2
52.5°	1915.7	1595.3	1245.8	932.0	1210.3	1249.1	1420.6	1676.3	1682.7	1705.4	1812.2
55°	1718.4	1430.4	1155.3	857.5	1045.2	1129.4	1284.7	1569.5	1582.4	1605.1	1702.1
57.5°	1537.1	1190.8	1135.9	770.2	893.2	974.1	1164.9	1465.9	1472.3	1491.9	1585.7
60°	1343.0	860.8	1042.0	676.3	760.5	821.9	1055.0	1343.0	1365.6	1378.5	1459.4
62.5°	1122.9	624.6	944.9	611.6	695.7	708.7	964.3	1226.4	1255.6	1265.3	1313.8
65°	799.3	524.3	802.5	556.6	627.7	631.0	867.3	1106.7	1132.6	1148.8	1184.3
67.5°	540.4	427.1	611.6	504.8	576.0	579.3	773.4	967.6	1003.1	1016.1	1038.8
70°	375.4	284.8	453.0	449.8	517.8	524.3	673.1	841.4	873.8	883.4	896.3
72.5°	275.1	229.8	375.4	404.5	456.3	462.8	569.5	699.0	731.3	741.0	747.6
75°	210.4	242.7	304.2	352.7	388.3	391.6	466.0	569.5	592.2	598.7	601.9
77.5°	168.3	226.5	223.3	284.8	317.2	310.7	365.6	440.1	459.5	459.5	459.5
80°	126.2	177.9	168.3	203.9	233.0	226.5	262.1	313.9	320.3	326.8	323.6
82.5°	93.8	113.2	113.2	129.5	155.3	148.9	174.8	203.9	203.9	203.9	210.4
85°	58.2	64.7	51.7	68.0	87.4	84.1	97.1	110.1	113.2	113.2	106.8
87.5°	35.6	29.2	16.2	25.9	38.8	38.8	45.3	48.6	45.3	45.3	45.3
90°	20.7	14.3	7.9	14.3	20.7	22.3	35.0	51.9	60.4	53.7	40.3
92.5°	140.1	86.0	31.8	86.0	140.1	153.6	215.8	298.9	340.4	298.3	214.3
95°	274.3	175.4	76.4	175.4	274.3	299.1	531.1	840.4	995.1	888.0	673.7
97.5°	306.7	219.4	132.1	219.4	306.7	328.5	715.4	1231.2	1489.1	1421.4	1286.0
100°	333.4	254.2	175.0	254.2	333.4	353.2	782.5	1354.8	1641.0	1646.0	1655.8
102.5°	359.3	285.4	211.6	285.4	359.3	377.8	813.1	1393.7	1684.0	1770.2	1942.8
105°	398.7	336.2	273.7	336.2	398.7	414.4	836.0	1398.1	1679.2	1872.5	2259.3
107.5°	453.9	395.6	337.2	395.6	453.9	468.5	840.3	1335.9	1583.7	1853.5	2393.0
110°	485.6	432.9	380.2	432.9	485.6	498.8	833.9	1280.7	1504.2	1805.8	2408.8



TEST NUMBER: P935348

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-8-6500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	522.8	472.6	422.4	472.6	522.8	535.4	834.2	1232.6	1431.8	1740.5	2357.7
115°	578.7	532.3	486.0	532.3	578.7	590.3	841.8	1177.4	1345.1	1642.5	2237.1
117.5°	633.0	590.9	548.9	590.9	633.0	643.5	857.5	1142.7	1285.4	1553.7	2090.4
120°	664.6	625.1	585.5	625.1	664.6	674.5	870.2	1131.2	1261.6	1506.8	1997.1
122.5°	701.2	661.2	621.2	661.2	701.2	711.1	888.5	1125.0	1243.2	1464.0	1905.6
125°	749.0	712.6	676.1	712.6	749.0	758.1	913.2	1120.0	1223.4	1411.0	1786.1
127.5°	794.2	757.4	720.7	757.4	794.2	803.4	937.8	1117.1	1206.7	1367.7	1689.8
130°	823.7	784.1	744.5	784.1	823.7	833.6	955.8	1118.8	1200.3	1343.6	1630.4
132.5°	848.3	808.7	769.2	808.7	848.3	858.3	970.4	1120.0	1194.8	1323.1	1579.7
135°	878.0	841.8	805.8	841.8	878.0	887.0	986.4	1118.9	1185.2	1292.7	1507.6
137.5°	914.6	878.8	843.2	878.8	914.6	923.5	1010.2	1125.8	1183.6	1274.4	1456.2
140°	939.9	907.0	874.2	907.0	939.9	948.2	1024.8	1127.0	1178.0	1256.5	1413.5
142.5°	958.9	928.5	898.1	928.5	958.9	966.4	1037.0	1131.0	1178.0	1247.0	1384.9
145°	987.7	961.2	934.7	961.2	987.7	994.3	1053.0	1131.1	1170.1	1226.5	1339.2
147.5°	1022.8	997.0	971.2	997.0	1022.8	1029.3	1076.3	1138.8	1170.1	1214.5	1303.2
150°	1041.8	1018.4	995.1	1018.4	1041.8	1047.6	1088.4	1142.8	1170.1	1207.6	1282.5
152.5°	1055.2	1037.5	1019.8	1037.5	1055.2	1059.6	1096.4	1145.5	1170.1	1202.1	1266.1
155°	1082.5	1069.4	1056.3	1069.4	1082.5	1085.8	1113.9	1151.4	1170.1	1195.5	1246.5
157.5°	1108.9	1096.1	1083.4	1096.1	1108.9	1112.1	1131.4	1157.2	1170.1	1189.9	1229.5
160°	1121.5	1111.7	1101.7	1111.7	1121.5	1124.0	1139.4	1159.9	1170.1	1187.1	1221.1
162.5°	1134.9	1127.4	1120.0	1127.4	1134.9	1136.7	1147.8	1162.6	1170.1	1184.4	1213.0
165°	1153.3	1146.6	1139.9	1146.6	1153.3	1155.0	1160.1	1166.7	1170.1	1180.3	1200.9
167.5°	1164.5	1161.3	1158.1	1161.3	1164.5	1165.3	1169.5	1175.2	1178.0	1184.7	1198.2
170°	1176.5	1173.2	1170.1	1173.2	1176.5	1177.3	1177.6	1177.8	1178.0	1184.7	1198.2
172.5°	1177.8	1177.2	1176.5	1177.2	1177.8	1178.0	1178.0	1178.0	1178.0	1183.4	1194.0
175°	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1182.8	1179.7	1178.0	1181.4	1188.1
177.5°	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1183.4	1180.9	1179.7	1182.3	1187.6
180°	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2



TEST NUMBER: P935348

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-8-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5	3420.5
2.5°	3300.8	3291.0	3303.9	3268.4	3303.9	3291.0	3300.8	3323.4	3303.9	3316.9	3329.8
5°	2896.2	2880.1	2828.3	2786.3	2828.3	2880.1	2896.2	2964.2	2996.5	3054.8	3132.5
7.5°	2588.8	2575.9	2562.9	2537.1	2562.9	2575.9	2588.8	2608.2	2640.6	2692.4	2750.6
10°	2520.9	2524.1	2543.5	2540.3	2543.5	2524.1	2520.9	2514.4	2504.7	2514.4	2550.0
12.5°	2695.6	2724.8	2831.5	2825.1	2831.5	2724.8	2695.6	2566.1	2478.8	2462.6	2469.1
15°	2896.2	2906.0	2928.6	2931.9	2928.6	2906.0	2896.2	2844.5	2582.4	2469.1	2433.5
17.5°	2915.6	2918.9	2935.0	2935.0	2935.0	2918.9	2915.6	2893.0	2805.7	2653.5	2452.9
20°	2899.5	2906.0	2938.3	2944.8	2938.3	2906.0	2899.5	2870.4	2821.8	2766.8	2614.7
22.5°	2893.0	2906.0	2931.9	2928.6	2931.9	2906.0	2893.0	2847.7	2805.7	2766.8	2705.4
25°	2860.6	2860.6	2863.9	2867.1	2863.9	2860.6	2860.6	2825.1	2740.9	2731.2	2695.6
27.5°	2792.7	2799.2	2818.6	2815.3	2818.6	2799.2	2792.7	2779.7	2689.1	2679.4	2653.5
30°	2731.2	2724.8	2708.5	2695.6	2708.5	2724.8	2731.2	2711.8	2621.2	2595.3	2601.8
32.5°	2627.6	2611.5	2595.3	2585.5	2595.3	2611.5	2627.6	2621.2	2553.2	2517.7	2524.1
35°	2504.7	2507.9	2504.7	2495.0	2504.7	2507.9	2504.7	2511.2	2469.1	2436.8	2433.5
37.5°	2417.4	2423.8	2420.5	2407.6	2420.5	2423.8	2417.4	2410.8	2352.6	2342.9	2349.4
40°	2326.7	2330.0	2326.7	2317.0	2326.7	2330.0	2326.7	2313.8	2232.9	2236.1	2258.7
42.5°	2239.3	2236.1	2226.4	2219.9	2226.4	2236.1	2239.3	2219.9	2116.3	2106.7	2148.8
45°	2139.0	2142.3	2122.8	2113.1	2122.8	2142.3	2139.0	2126.1	2019.3	1993.4	2022.5
47.5°	2038.7	2038.7	2022.5	2012.8	2022.5	2038.7	2038.7	2022.5	1909.2	1883.3	1899.6
50°	1931.9	1928.6	1906.0	1902.8	1906.0	1928.6	1931.9	1922.2	1802.4	1779.9	1779.9
52.5°	1808.9	1808.9	1812.2	1818.7	1812.2	1808.9	1808.9	1812.2	1705.4	1682.7	1676.3
55°	1702.1	1705.4	1728.0	1734.5	1728.0	1705.4	1702.1	1702.1	1605.1	1582.4	1569.5
57.5°	1592.2	1592.2	1608.3	1608.3	1608.3	1592.2	1592.2	1585.7	1491.9	1472.3	1465.9
60°	1465.9	1472.3	1485.4	1482.1	1485.4	1472.3	1465.9	1459.4	1378.5	1365.6	1343.0
62.5°	1333.2	1339.7	1343.0	1336.5	1343.0	1339.7	1333.2	1313.8	1265.3	1255.6	1226.4
65°	1194.1	1200.6	1203.8	1197.3	1203.8	1200.6	1194.1	1184.3	1148.8	1132.6	1106.7
67.5°	1051.7	1048.5	1045.2	1058.2	1045.2	1048.5	1051.7	1038.8	1016.1	1003.1	967.6
70°	906.1	906.1	902.8	909.3	902.8	906.1	906.1	896.3	883.4	873.8	841.4
72.5°	750.8	747.6	760.5	750.8	760.5	747.6	750.8	747.6	741.0	731.3	699.0
75°	598.7	605.2	598.7	608.3	598.7	605.2	598.7	601.9	598.7	592.2	569.5
77.5°	456.3	462.8	456.3	456.3	456.3	462.8	456.3	459.5	459.5	459.5	440.1
80°	323.6	320.3	320.3	317.2	320.3	320.3	323.6	323.6	326.8	320.3	313.9
82.5°	207.1	203.9	203.9	210.4	203.9	203.9	207.1	210.4	203.9	203.9	203.9
85°	113.2	116.5	110.1	110.1	110.1	116.5	113.2	106.8	113.2	113.2	110.1
87.5°	42.1	38.8	38.8	38.8	38.8	38.8	42.1	45.3	45.3	45.3	48.6
90°	30.2	30.2	30.2	30.2	30.2	30.2	30.2	40.3	53.7	60.4	51.9
92.5°	151.2	145.2	121.1	97.1	121.1	145.2	151.2	214.3	298.3	340.4	298.9
95°	513.1	494.9	422.1	349.2	422.1	494.9	513.1	673.7	888.0	995.1	840.4
97.5°	1184.4	1149.8	1011.2	872.6	1011.2	1149.8	1184.4	1286.0	1421.4	1489.1	1231.2
100°	1663.3	1622.0	1457.0	1291.8	1457.0	1622.0	1663.3	1655.8	1646.0	1641.0	1354.8
102.5°	2072.2	2036.8	1895.4	1753.9	1895.4	2036.8	2072.2	1942.8	1770.2	1684.0	1393.7
105°	2549.4	2530.4	2454.4	2378.3	2454.4	2530.4	2549.4	2259.3	1872.5	1679.2	1398.1
107.5°	2797.5	2802.1	2820.6	2838.9	2820.6	2802.1	2797.5	2393.0	1853.5	1583.7	1335.9
110°	2861.2	2881.0	2960.2	3039.4	2960.2	2881.0	2861.2	2408.8	1805.8	1504.2	1280.7



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2820.7	2851.1	2972.6	3094.2	2972.6	2851.1	2820.7	2357.7	1740.5	1431.8	1232.6
115°	2683.1	2725.2	2893.8	3062.5	2893.8	2725.2	2683.1	2237.1	1642.5	1345.1	1177.4
117.5°	2492.9	2539.6	2726.7	2913.7	2726.7	2539.6	2492.9	2090.4	1553.7	1285.4	1142.7
120°	2364.9	2410.3	2592.0	2773.7	2592.0	2410.3	2364.9	1997.1	1506.8	1261.6	1131.2
122.5°	2236.8	2281.7	2460.9	2640.0	2460.9	2281.7	2236.8	1905.6	1464.0	1243.2	1125.0
125°	2067.4	2108.7	2273.7	2438.9	2273.7	2108.7	2067.4	1786.1	1411.0	1223.4	1120.0
127.5°	1931.3	1966.1	2105.4	2244.8	2105.4	1966.1	1931.3	1689.8	1367.7	1206.7	1117.1
130°	1845.5	1877.6	2006.3	2135.0	2006.3	1877.6	1845.5	1630.4	1343.6	1200.3	1118.8
132.5°	1772.2	1801.0	1916.3	2031.5	1916.3	1801.0	1772.2	1579.7	1323.1	1194.8	1120.0
135°	1668.8	1693.7	1793.1	1892.4	1793.1	1693.7	1668.8	1507.6	1292.7	1185.2	1118.9
137.5°	1592.4	1612.8	1694.1	1775.5	1694.1	1612.8	1592.4	1456.2	1274.4	1183.6	1125.8
140°	1531.2	1550.3	1626.2	1702.2	1626.2	1550.3	1531.2	1413.5	1256.5	1178.0	1127.0
142.5°	1488.3	1504.7	1570.1	1635.5	1570.1	1504.7	1488.3	1384.9	1247.0	1178.0	1131.0
145°	1423.9	1436.2	1485.7	1535.2	1485.7	1436.2	1423.9	1339.2	1226.5	1170.1	1131.1
147.5°	1369.7	1380.0	1421.0	1462.0	1421.0	1380.0	1369.7	1303.2	1214.5	1170.1	1138.8
150°	1338.8	1347.1	1380.3	1413.5	1380.3	1347.1	1338.8	1282.5	1207.6	1170.1	1142.8
152.5°	1314.1	1320.4	1345.5	1370.5	1345.5	1320.4	1314.1	1266.1	1202.1	1170.1	1145.5
155°	1284.6	1288.8	1305.4	1322.0	1305.4	1288.8	1284.6	1246.5	1195.5	1170.1	1151.4
157.5°	1259.2	1262.1	1273.7	1285.4	1273.7	1262.1	1259.2	1229.5	1189.9	1170.1	1157.2
160°	1246.5	1248.2	1254.9	1261.6	1254.9	1248.2	1246.5	1221.1	1187.1	1170.1	1159.9
162.5°	1234.5	1236.2	1242.5	1248.9	1242.5	1236.2	1234.5	1213.0	1184.4	1170.1	1162.6
165°	1216.3	1218.0	1224.7	1231.4	1224.7	1218.0	1216.3	1200.9	1180.3	1170.1	1166.7
167.5°	1208.2	1208.9	1211.8	1214.7	1211.8	1208.9	1208.2	1198.2	1184.7	1178.0	1175.2
170°	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2	1198.2	1184.7	1178.0	1177.8
172.5°	1201.9	1201.4	1198.9	1196.4	1198.9	1201.4	1201.9	1194.0	1183.4	1178.0	1178.0
175°	1193.1	1193.1	1193.1	1193.1	1193.1	1193.1	1193.1	1188.1	1181.4	1178.0	1179.7
177.5°	1191.6	1190.9	1188.1	1185.2	1188.1	1190.9	1191.6	1187.6	1182.3	1179.7	1180.9
180°	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2	1185.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3420.5	3420.5	3420.5	3420.5	3420.5
2.5°	3378.4	3394.6	3404.3	3417.2	3449.6
5°	3249.0	3310.4	3329.8	3378.4	3436.7
7.5°	2964.2	3151.9	3203.6	3320.2	3410.7
10°	2689.1	2876.8	2967.4	3242.5	3378.4
12.5°	2550.0	2660.0	2721.5	3106.6	3333.1
15°	2462.6	2540.3	2585.5	2925.4	3281.4
17.5°	2394.7	2449.7	2482.0	2747.4	3210.1
20°	2352.6	2378.4	2407.6	2618.0	3129.2
22.5°	2323.5	2307.3	2330.0	2527.3	3019.2
25°	2304.0	2242.6	2268.5	2456.2	2889.8
27.5°	2320.2	2184.3	2194.0	2391.4	2753.8
30°	2323.5	2113.1	2116.3	2323.5	2601.8
32.5°	2300.8	2038.7	2042.0	2239.3	2430.3
35°	2245.8	1951.3	1948.1	2142.3	2197.2
37.5°	2171.3	1857.5	1857.5	2035.4	1941.6
40°	2080.8	1763.6	1773.4	1896.3	1715.1
42.5°	1970.7	1663.3	1676.3	1711.9	1546.8
45°	1851.0	1566.2	1575.9	1446.5	1417.4
47.5°	1718.4	1465.9	1469.2	1200.6	1375.3
50°	1559.7	1362.4	1349.4	1029.1	1372.0
52.5°	1420.6	1249.1	1210.3	932.0	1245.8
55°	1284.7	1129.4	1045.2	857.5	1155.3
57.5°	1164.9	974.1	893.2	770.2	1135.9
60°	1055.0	821.9	760.5	676.3	1042.0
62.5°	964.3	708.7	695.7	611.6	944.9
65°	867.3	631.0	627.7	556.6	802.5
67.5°	773.4	579.3	576.0	504.8	611.6
70°	673.1	524.3	517.8	449.8	453.0
72.5°	569.5	462.8	456.3	404.5	375.4
75°	466.0	391.6	388.3	352.7	304.2
77.5°	365.6	310.7	317.2	284.8	223.3
80°	262.1	226.5	233.0	203.9	168.3
82.5°	174.8	148.9	155.3	129.5	113.2
85°	97.1	84.1	87.4	68.0	51.7
87.5°	45.3	38.8	38.8	25.9	16.2
90°	35.0	22.3	20.7	14.3	7.9
92.5°	215.8	153.6	140.1	86.0	31.8
95°	531.1	299.1	274.3	175.4	76.4
97.5°	715.4	328.5	306.7	219.4	132.1
100°	782.5	353.2	333.4	254.2	175.0
102.5°	813.1	377.8	359.3	285.4	211.6
105°	836.0	414.4	398.7	336.2	273.7
107.5°	840.3	468.5	453.9	395.6	337.2
110°	833.9	498.8	485.6	432.9	380.2



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CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-8-6500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	834.2	535.4	522.8	472.6	422.4
115°	841.8	590.3	578.7	532.3	486.0
117.5°	857.5	643.5	633.0	590.9	548.9
120°	870.2	674.5	664.6	625.1	585.5
122.5°	888.5	711.1	701.2	661.2	621.2
125°	913.2	758.1	749.0	712.6	676.1
127.5°	937.8	803.4	794.2	757.4	720.7
130°	955.8	833.6	823.7	784.1	744.5
132.5°	970.4	858.3	848.3	808.7	769.2
135°	986.4	887.0	878.0	841.8	805.8
137.5°	1010.2	923.5	914.6	878.8	843.2
140°	1024.8	948.2	939.9	907.0	874.2
142.5°	1037.0	966.4	958.9	928.5	898.1
145°	1053.0	994.3	987.7	961.2	934.7
147.5°	1076.3	1029.3	1022.8	997.0	971.2
150°	1088.4	1047.6	1041.8	1018.4	995.1
152.5°	1096.4	1059.6	1055.2	1037.5	1019.8
155°	1113.9	1085.8	1082.5	1069.4	1056.3
157.5°	1131.4	1112.1	1108.9	1096.1	1083.4
160°	1139.4	1124.0	1121.5	1111.7	1101.7
162.5°	1147.8	1136.7	1134.9	1127.4	1120.0
165°	1160.1	1155.0	1153.3	1146.6	1139.9
167.5°	1169.5	1165.3	1164.5	1161.3	1158.1
170°	1177.6	1177.3	1176.5	1173.2	1170.1
172.5°	1178.0	1178.0	1177.8	1177.2	1176.5
175°	1182.8	1185.2	1185.2	1185.2	1185.2
177.5°	1183.4	1185.2	1185.2	1185.2	1185.2
180°	1185.2	1185.2	1185.2	1185.2	1185.2



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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	14.74	15.63	15.66	16.58	17.80	17.58	18.47	18.50	19.41	20.63
	3H	15.22	16.02	16.15	16.97	18.21	18.93	19.73	19.86	20.68	21.92
	4H	15.41	16.17	16.36	17.13	18.38	19.37	20.13	20.33	21.09	22.34
	6H	15.53	16.23	16.49	17.19	18.46	19.66	20.36	20.63	21.32	22.59
	8H	15.53	16.20	16.50	17.18	18.44	19.74	20.40	20.71	21.38	22.65
	12H	15.51	16.14	16.48	17.11	18.40	19.78	20.41	20.76	21.39	22.67
4H	2H	15.78	16.53	16.73	17.49	18.74	17.99	18.75	18.95	19.70	20.96
	3H	16.81	17.44	17.77	18.43	19.69	19.50	20.13	20.47	21.12	22.39
	4H	17.08	17.66	18.06	18.64	19.93	20.03	20.61	21.01	21.59	22.88
	6H	17.21	17.71	18.20	18.71	20.00	20.40	20.90	21.39	21.90	23.19
	8H	17.22	17.68	18.21	18.68	19.98	20.51	20.97	21.50	21.97	23.27
	12H	17.19	17.61	18.20	18.62	19.93	20.57	20.99	21.58	22.00	23.31
8H	4H	17.54	18.01	18.53	19.00	20.31	20.16	20.62	21.15	21.62	22.92
	6H	17.80	18.19	18.82	19.23	20.53	20.60	20.98	21.61	22.02	23.32
	8H	17.85	18.19	18.87	19.21	20.53	20.75	21.09	21.78	22.12	23.44
	12H	17.83	18.13	18.86	19.15	20.52	20.85	21.15	21.88	22.17	23.54
12H	4H	17.55	17.97	18.56	18.98	20.29	20.12	20.54	21.13	21.56	22.87
	6H	17.87	18.21	18.89	19.23	20.55	20.60	20.93	21.62	21.96	23.28
	8H	17.93	18.23	18.96	19.25	20.62	20.76	21.06	21.79	22.08	23.44