

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: P934895

Luminaire Tested: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

**Test Information**

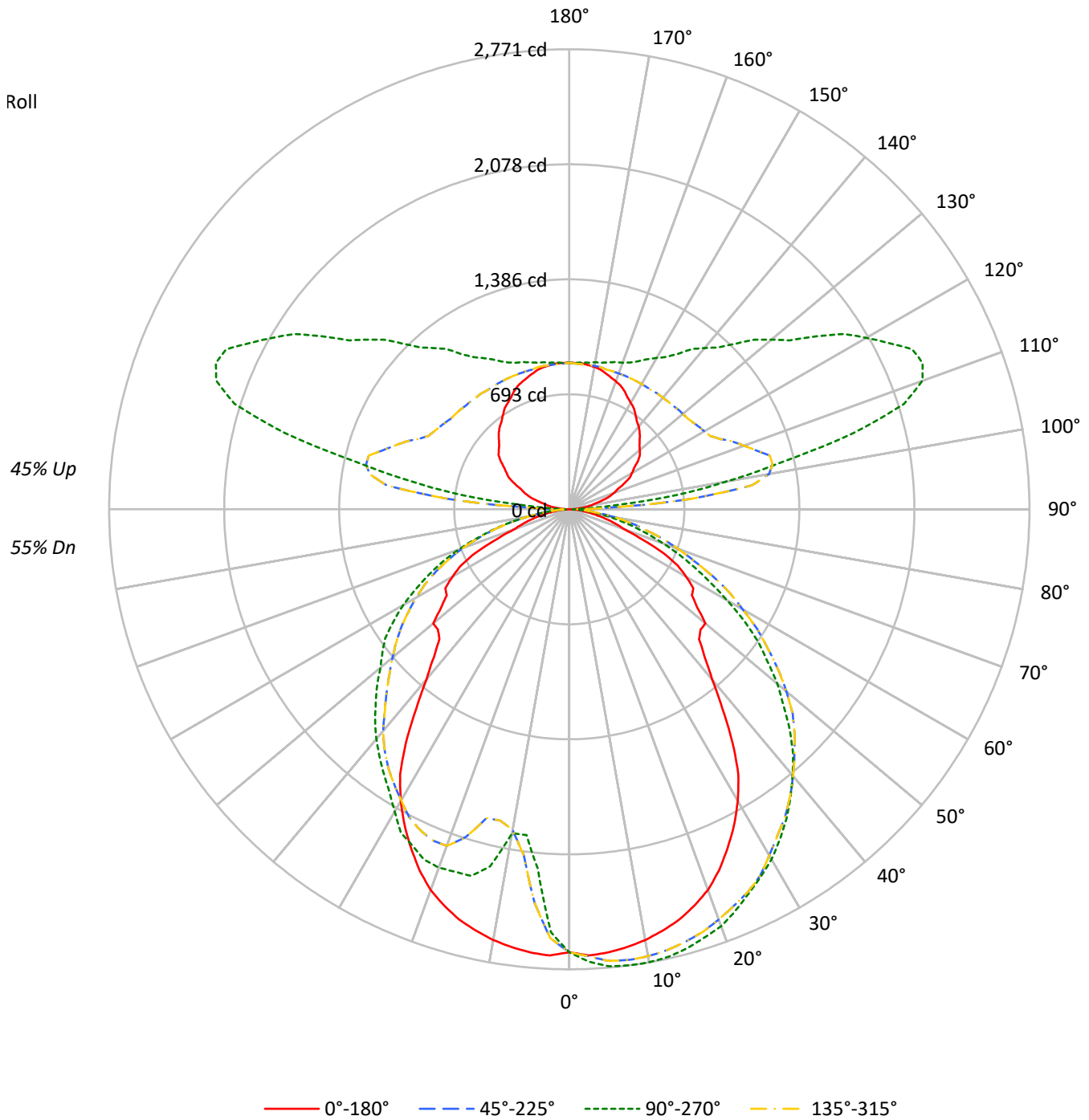
Test Method: LM-79-2019  
Report Number: P934895  
REPORT IS A COMBINATION OF REPORTS P933716 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-8-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12638.5 lumens  
Efficiency: N/A  
Efficacy: 123.4 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: General Diffuse  
  
Input Watts (W): 102.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P934895  
CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-8-4000K

### Luminous Intensity Polar Plot





TEST NUMBER: P934895

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-8-4000K

**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	86	86	86	73	73	73	60	60	60	55
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51	46
2	90	83	76	71	83	77	72	67	66	62	59	56	53	51	47	45	43	39
3	82	73	65	59	76	68	61	56	58	53	49	50	46	43	42	39	37	33
4	75	64	56	50	69	60	53	47	52	46	42	44	40	37	37	34	32	28
5	69	57	49	43	64	54	46	41	46	41	36	40	35	32	34	30	28	24
6	64	51	43	37	59	48	41	35	42	36	32	36	31	28	30	27	24	21
7	59	46	38	33	54	43	36	31	38	32	28	33	28	25	28	24	21	19
8	55	42	34	29	51	39	32	27	35	29	25	30	25	22	25	22	19	17
9	51	38	31	26	47	36	29	25	32	26	22	27	23	20	24	20	17	15
10	47	35	28	23	44	33	26	22	29	24	20	25	21	18	22	18	16	14

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	12376	12376	12376	12376
5°	12468	12493	12468	9823
10°	12385	12306	12385	8798
15°	12250	12039	12250	10053
20°	11994	11724	11994	10074
25°	11469	11263	11469	9860
30°	10792	10880	10792	9392
35°	9621	10397	9621	8877
40°	8017	9827	8017	8488
45°	7163	9160	7163	8040
50°	7610	8365	7610	7591
55°	7160	7509	7160	7331
60°	7381	6378	7381	6715
65°	6691	5272	6691	5893
70°	4634	4202	4634	4939
75°	4063	3106	4063	3719
80°	3273	2053	3273	2236
85°	1882	1087	1882	924

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 10978 cd/sqm



TEST NUMBER: P934895

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-8-4000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	240.8	1.9
10°-20°	683.6	5.4
20°-30°	1056.8	8.4
30°-40°	1261.6	10.0
40°-50°	1269.0	10.0
50°-60°	1104.2	8.7
60°-70°	782.9	6.2
70°-80°	414.2	3.3
80°-90°	106.5	0.8
90°-100°	430.0	3.4
100°-110°	1130.6	8.9
110°-120°	1172.3	9.3
120°-130°	940.3	7.4
130°-140°	737.8	5.8
140°-150°	566.3	4.5
150°-160°	407.8	3.2
160°-170°	249.5	2.0
170°-180°	84.3	0.7
0°-30°	1981.2	15.7
0°-40°	3242.8	25.7
0°-60°	5615.9	44.4
0°-90°	6919.5	54.7
90°-120°	2732.9	21.6
90°-150°	4977.3	39.4
90°-180°	5719.0	45.3
0°-180°	12638.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2667	2667	2667	2667	2667	
5°	2680	2763	2680	2173	2680	254
15°	2559	2738	2559	2286	2559	720
25°	2254	2554	2254	2236	2254	1035
35°	1714	2279	1714	1946	1714	1060
45°	1105	1878	1105	1648	1105	885
55°	901	1385	901	1353	901	828
65°	626	835	626	934	626	598
75°	237	396	237	474	237	249
85°	40	101	40	86	40	55
90°	6	22	6	22	6	7
95°	57	260	57	260	57	63
105°	204	1770	204	1770	204	216
115°	362	2280	362	2280	362	357
125°	503	1815	503	1815	503	447
135°	600	1408	600	1408	600	464
145°	696	1143	696	1143	696	436
155°	786	984	786	984	786	361
165°	848	916	848	916	848	239
175°	882	888	882	888	882	84
180°	882	882	882	882	882	



TEST NUMBER: P934895

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4
2.5°	2690.1	2690.1	2705.2	2710.3	2710.3	2702.7	2695.2	2702.7	2725.5	2733.0	2730.5
5°	2680.0	2700.2	2728.0	2733.0	2738.1	2735.5	2730.5	2735.5	2760.8	2765.9	2768.4
7.5°	2659.9	2697.7	2733.0	2740.6	2748.2	2740.6	2738.1	2743.1	2768.4	2773.4	2773.4
10°	2634.6	2687.6	2728.0	2733.0	2740.6	2733.0	2733.0	2743.1	2768.4	2773.4	2775.9
12.5°	2599.2	2672.5	2710.3	2715.4	2725.5	2722.9	2720.4	2730.5	2755.7	2760.8	2760.8
15°	2558.9	2644.7	2680.0	2685.1	2702.7	2697.7	2697.7	2707.8	2735.5	2743.1	2740.6
17.5°	2503.3	2609.3	2649.7	2657.3	2669.9	2667.4	2669.9	2680.0	2705.2	2710.3	2712.9
20°	2440.3	2561.4	2609.3	2616.9	2629.6	2629.6	2629.6	2642.2	2667.4	2677.5	2677.5
22.5°	2354.5	2511.0	2561.4	2566.5	2581.6	2581.6	2586.6	2604.3	2627.0	2629.6	2629.6
25°	2253.5	2455.4	2498.3	2513.5	2528.6	2536.2	2543.7	2553.9	2561.4	2558.9	2561.4
27.5°	2147.5	2384.7	2440.3	2450.3	2470.6	2478.1	2488.3	2490.7	2493.3	2500.9	2495.8
30°	2028.9	2286.4	2369.6	2379.8	2412.5	2417.6	2407.5	2412.5	2425.1	2430.2	2435.2
32.5°	1895.2	2140.0	2296.5	2319.1	2349.4	2334.3	2331.7	2339.4	2359.5	2359.5	2364.6
35°	1713.5	2026.4	2228.3	2248.5	2271.2	2253.5	2263.6	2266.1	2278.8	2286.4	2283.8
37.5°	1514.2	1928.0	2157.6	2172.8	2190.5	2167.8	2182.8	2190.5	2200.5	2195.5	2195.5
40°	1337.5	1774.1	2074.4	2084.5	2099.6	2081.9	2097.1	2102.1	2107.2	2102.1	2099.6
42.5°	1206.3	1605.0	1986.0	1998.6	1988.6	2001.2	2006.3	2016.3	2008.7	1998.6	1998.6
45°	1105.3	1559.5	1890.1	1905.3	1890.1	1910.4	1917.9	1917.9	1895.2	1890.1	1887.7
47.5°	1072.6	1468.7	1794.3	1794.3	1786.7	1811.9	1824.5	1806.9	1784.1	1776.6	1776.6
50°	1070.0	1367.8	1663.0	1652.9	1688.2	1718.5	1705.9	1688.2	1670.6	1642.8	1642.8
52.5°	971.6	1244.1	1493.9	1531.8	1587.3	1605.0	1584.8	1567.2	1536.9	1524.3	1514.2
55°	900.9	1115.4	1340.1	1415.7	1473.8	1496.5	1458.6	1441.0	1395.5	1388.0	1382.9
57.5°	885.8	928.6	1198.7	1294.6	1365.3	1362.7	1340.1	1307.2	1269.4	1261.7	1259.3
60°	812.6	671.3	1047.3	1160.8	1234.1	1226.4	1206.3	1176.0	1140.7	1135.6	1130.5
62.5°	736.9	487.0	875.6	1004.4	1107.8	1105.3	1087.6	1042.2	1017.0	1004.4	994.3
65°	625.8	408.8	623.3	835.3	984.2	989.2	951.4	918.6	890.8	875.6	873.2
67.5°	476.9	333.1	421.4	696.5	865.6	860.6	812.6	797.4	762.1	754.5	739.4
70°	353.3	222.0	292.7	565.3	749.5	736.9	699.1	681.4	648.5	630.9	620.8
72.5°	292.7	179.2	214.5	439.1	630.9	615.8	582.9	562.8	535.0	519.8	509.8
75°	237.2	189.3	164.1	325.6	512.3	502.2	471.9	451.7	429.0	408.8	411.3
77.5°	174.1	176.7	131.2	239.7	406.3	391.2	373.5	348.3	338.2	318.0	318.0
80°	131.2	138.8	98.5	164.1	292.7	292.7	277.6	260.0	242.3	232.2	232.2
82.5°	88.3	88.3	73.2	103.4	199.4	191.8	181.7	176.7	166.6	161.5	161.5
85°	40.4	50.4	45.5	63.1	108.5	113.5	113.5	108.5	106.0	100.9	103.4
87.5°	12.6	22.7	27.8	35.3	55.5	58.1	60.5	60.5	60.5	63.1	63.1
90°	5.9	10.7	15.5	16.6	26.1	38.7	45.0	40.0	30.0	22.5	22.5
92.5°	23.7	64.0	104.3	114.3	160.7	222.5	253.5	222.1	159.5	112.5	108.0
95°	56.8	130.5	204.2	222.6	395.3	625.5	740.7	661.0	501.5	381.9	368.3
97.5°	98.3	163.3	228.3	244.6	532.5	916.4	1108.4	1057.9	957.2	881.7	855.9
100°	130.3	189.2	248.2	262.9	582.5	1008.5	1221.4	1225.2	1232.5	1238.1	1207.3
102.5°	157.5	212.5	267.5	281.2	605.3	1037.4	1253.4	1317.6	1446.1	1542.4	1516.1
105°	203.7	250.3	296.8	308.5	622.3	1040.7	1249.9	1393.8	1681.7	1897.6	1883.5
107.5°	251.1	294.5	337.9	348.8	625.4	994.3	1178.9	1379.6	1781.2	2082.4	2085.8
110°	283.1	322.2	361.4	371.2	620.7	953.3	1119.6	1344.1	1793.0	2129.7	2144.5



TEST NUMBER: P934895

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	314.4	351.7	389.1	398.4	620.8	917.5	1065.8	1295.6	1755.0	2099.6	2122.2
115°	361.8	396.2	430.7	439.3	626.6	876.3	1001.2	1222.5	1665.1	1997.1	2028.5
117.5°	408.5	439.9	471.2	479.0	638.3	850.6	956.8	1156.5	1556.0	1855.6	1890.3
120°	435.8	465.2	494.7	502.0	647.7	841.9	939.1	1121.6	1486.6	1760.3	1794.1
122.5°	462.4	492.2	521.9	529.4	661.3	837.3	925.4	1089.8	1418.5	1664.9	1698.3
125°	503.3	530.4	557.4	564.2	679.7	833.6	910.6	1050.2	1329.4	1538.8	1569.5
127.5°	536.4	563.8	591.1	598.0	698.1	831.5	898.2	1018.0	1257.7	1437.6	1463.4
130°	554.2	583.6	613.1	620.5	711.5	832.9	893.5	1000.2	1213.6	1373.7	1397.6
132.5°	572.5	602.0	631.5	638.9	722.4	833.6	889.3	984.8	1175.9	1319.1	1340.6
135°	599.7	626.6	653.5	660.2	734.2	832.9	882.2	962.3	1122.2	1242.2	1260.7
137.5°	627.6	654.2	680.7	687.4	752.0	838.0	881.0	948.6	1083.9	1185.3	1200.4
140°	650.7	675.2	699.6	705.7	762.8	838.9	876.9	935.3	1052.1	1139.8	1153.9
142.5°	668.5	691.1	713.8	719.4	771.9	841.9	876.9	928.2	1030.8	1107.8	1119.9
145°	695.7	715.5	735.2	740.1	783.8	841.9	871.0	913.0	996.9	1059.9	1069.0
147.5°	722.9	742.1	761.4	766.2	801.1	847.7	871.0	904.0	970.0	1019.6	1027.2
150°	740.7	758.1	775.5	779.8	810.1	850.7	871.0	898.8	954.6	996.4	1002.7
152.5°	759.0	772.2	785.4	788.6	816.0	852.6	871.0	894.7	942.4	978.1	982.8
155°	786.3	796.0	805.7	808.2	829.1	857.0	871.0	889.9	927.8	956.2	959.3
157.5°	806.4	815.9	825.3	827.7	842.1	861.3	871.0	885.7	915.2	937.2	939.4
160°	820.1	827.4	834.8	836.6	848.0	863.3	871.0	883.6	908.9	927.8	929.0
162.5°	833.6	839.2	844.7	846.1	854.4	865.4	871.0	881.7	903.0	918.9	920.0
165°	848.4	853.4	858.4	859.7	863.4	868.5	871.0	878.6	893.9	905.3	906.6
167.5°	862.1	864.5	866.9	867.4	870.6	874.8	876.9	881.8	891.9	899.4	899.9
170°	871.0	873.3	875.7	876.3	876.5	876.8	876.9	881.8	891.9	899.4	899.4
172.5°	875.7	876.2	876.8	876.9	876.9	876.9	876.9	880.8	888.7	894.6	894.2
175°	882.2	882.2	882.2	882.2	880.4	878.0	876.9	879.4	884.4	888.2	888.2
177.5°	882.2	882.2	882.2	882.2	880.8	879.0	878.0	880.0	883.9	886.9	886.4
180°	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2



TEST NUMBER: P934895

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4
2.5°	2735.5	2728.0	2735.5	2730.5	2733.0	2725.5	2702.7	2695.2	2702.7	2710.3	2710.3
5°	2768.4	2763.3	2768.4	2768.4	2765.9	2760.8	2735.5	2730.5	2735.5	2738.1	2733.0
7.5°	2778.5	2770.8	2778.5	2773.4	2773.4	2768.4	2743.1	2738.1	2740.6	2748.2	2740.6
10°	2778.5	2770.8	2778.5	2775.9	2773.4	2768.4	2743.1	2733.0	2733.0	2740.6	2733.0
12.5°	2765.9	2760.8	2765.9	2760.8	2760.8	2755.7	2730.5	2720.4	2722.9	2725.5	2715.4
15°	2745.6	2738.1	2745.6	2740.6	2743.1	2735.5	2707.8	2697.7	2697.7	2702.7	2685.1
17.5°	2715.4	2705.2	2715.4	2712.9	2710.3	2705.2	2680.0	2669.9	2667.4	2669.9	2657.3
20°	2680.0	2672.5	2680.0	2677.5	2677.5	2667.4	2642.2	2629.6	2629.6	2629.6	2616.9
22.5°	2624.5	2616.9	2624.5	2629.6	2629.6	2627.0	2604.3	2586.6	2581.6	2581.6	2566.5
25°	2561.4	2553.9	2561.4	2561.4	2558.9	2561.4	2553.9	2543.7	2536.2	2528.6	2513.5
27.5°	2500.9	2495.8	2500.9	2495.8	2500.9	2493.3	2490.7	2488.3	2478.1	2470.6	2450.3
30°	2440.3	2435.2	2440.3	2435.2	2430.2	2425.1	2412.5	2407.5	2417.6	2412.5	2379.8
32.5°	2364.6	2359.5	2364.6	2364.6	2359.5	2359.5	2339.4	2331.7	2334.3	2349.4	2319.1
35°	2286.4	2278.8	2286.4	2283.8	2286.4	2278.8	2266.1	2263.6	2253.5	2271.2	2248.5
37.5°	2195.5	2187.9	2195.5	2195.5	2195.5	2200.5	2190.5	2182.8	2167.8	2190.5	2172.8
40°	2102.1	2092.0	2102.1	2099.6	2102.1	2107.2	2102.1	2097.1	2081.9	2099.6	2084.5
42.5°	1996.1	1993.7	1996.1	1998.6	1998.6	2008.7	2016.3	2006.3	2001.2	1988.6	1998.6
45°	1882.6	1877.5	1882.6	1887.7	1890.1	1895.2	1917.9	1917.9	1910.4	1890.1	1905.3
47.5°	1761.4	1748.8	1761.4	1776.6	1776.6	1784.1	1806.9	1824.5	1811.9	1786.7	1794.3
50°	1632.8	1635.2	1632.8	1642.8	1642.8	1670.6	1688.2	1705.9	1718.5	1688.2	1652.9
52.5°	1506.6	1504.0	1506.6	1514.2	1524.3	1536.9	1567.2	1584.8	1605.0	1587.3	1531.8
55°	1380.4	1385.4	1380.4	1382.9	1388.0	1395.5	1441.0	1458.6	1496.5	1473.8	1415.7
57.5°	1254.2	1246.7	1254.2	1259.3	1261.7	1269.4	1307.2	1340.1	1362.7	1365.3	1294.6
60°	1107.8	1097.8	1107.8	1130.5	1135.6	1140.7	1176.0	1206.3	1226.4	1234.1	1160.8
62.5°	979.2	961.5	979.2	994.3	1004.4	1017.0	1042.2	1087.6	1105.3	1107.8	1004.4
65°	842.9	835.3	842.9	873.2	875.6	890.8	918.6	951.4	989.2	984.2	835.3
67.5°	719.2	719.2	719.2	739.4	754.5	762.1	797.4	812.6	860.6	865.6	696.5
70°	605.7	603.2	605.7	620.8	630.9	648.5	681.4	699.1	736.9	749.5	565.3
72.5°	497.2	494.6	497.2	509.8	519.8	535.0	562.8	582.9	615.8	630.9	439.1
75°	401.3	396.2	401.3	411.3	408.8	429.0	451.7	471.9	502.2	512.3	325.6
77.5°	307.9	307.9	307.9	318.0	318.0	338.2	348.3	373.5	391.2	406.3	239.7
80°	229.7	227.1	229.7	232.2	232.2	242.3	260.0	277.6	292.7	292.7	164.1
82.5°	161.5	156.4	161.5	161.5	161.5	166.6	176.7	181.7	191.8	199.4	103.4
85°	100.9	100.9	100.9	103.4	100.9	106.0	108.5	113.5	113.5	108.5	63.1
87.5°	65.6	63.1	65.6	63.1	63.1	60.5	60.5	60.5	58.1	55.5	35.3
90°	22.5	22.5	22.5	22.5	22.5	30.0	40.0	45.0	38.7	26.1	16.6
92.5°	90.2	72.2	90.2	108.0	112.5	159.5	222.1	253.5	222.5	160.7	114.3
95°	314.2	260.0	314.2	368.3	381.9	501.5	661.0	740.7	625.5	395.3	222.6
97.5°	752.6	649.5	752.6	855.9	881.7	957.2	1057.9	1108.4	916.4	532.5	244.6
100°	1084.5	961.6	1084.5	1207.3	1238.1	1232.5	1225.2	1221.4	1008.5	582.5	262.9
102.5°	1410.8	1305.6	1410.8	1516.1	1542.4	1446.1	1317.6	1253.4	1037.4	605.3	281.2
105°	1826.8	1770.3	1826.8	1883.5	1897.6	1681.7	1393.8	1249.9	1040.7	622.3	308.5
107.5°	2099.5	2113.1	2099.5	2085.8	2082.4	1781.2	1379.6	1178.9	994.3	625.4	348.8
110°	2203.5	2262.4	2203.5	2144.5	2129.7	1793.0	1344.1	1119.6	953.3	620.7	371.2





TEST NUMBER: P934895

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2212.6	2303.2	2212.6	2122.2	2099.6	1755.0	1295.6	1065.8	917.5	620.8	398.4
115°	2154.0	2279.5	2154.0	2028.5	1997.1	1665.1	1222.5	1001.2	876.3	626.6	439.3
117.5°	2029.6	2168.8	2029.6	1890.3	1855.6	1556.0	1156.5	956.8	850.6	638.3	479.0
120°	1929.4	2064.6	1929.4	1794.1	1760.3	1486.6	1121.6	939.1	841.9	647.7	502.0
122.5°	1831.7	1965.1	1831.7	1698.3	1664.9	1418.5	1089.8	925.4	837.3	661.3	529.4
125°	1692.5	1815.4	1692.5	1569.5	1538.8	1329.4	1050.2	910.6	833.6	679.7	564.2
127.5°	1567.2	1670.9	1567.2	1463.4	1437.6	1257.7	1018.0	898.2	831.5	698.1	598.0
130°	1493.3	1589.1	1493.3	1397.6	1373.7	1213.6	1000.2	893.5	832.9	711.5	620.5
132.5°	1426.4	1512.1	1426.4	1340.6	1319.1	1175.9	984.8	889.3	833.6	722.4	638.9
135°	1334.6	1408.5	1334.6	1260.7	1242.2	1122.2	962.3	882.2	832.9	734.2	660.2
137.5°	1261.0	1321.5	1261.0	1200.4	1185.3	1083.9	948.6	881.0	838.0	752.0	687.4
140°	1210.6	1267.1	1210.6	1153.9	1139.8	1052.1	935.3	876.9	838.9	762.8	705.7
142.5°	1168.6	1217.3	1168.6	1119.9	1107.8	1030.8	928.2	876.9	841.9	771.9	719.4
145°	1105.9	1142.8	1105.9	1069.0	1059.9	996.9	913.0	871.0	841.9	783.8	740.1
147.5°	1057.7	1088.2	1057.7	1027.2	1019.6	970.0	904.0	871.0	847.7	801.1	766.2
150°	1027.4	1052.1	1027.4	1002.7	996.4	954.6	898.8	871.0	850.7	810.1	779.8
152.5°	1001.4	1020.1	1001.4	982.8	978.1	942.4	894.7	871.0	852.6	816.0	788.6
155°	971.7	984.0	971.7	959.3	956.2	927.8	889.9	871.0	857.0	829.1	808.2
157.5°	948.1	956.8	948.1	939.4	937.2	915.2	885.7	871.0	861.3	842.1	827.7
160°	934.1	939.1	934.1	929.0	927.8	908.9	883.6	871.0	863.3	848.0	836.6
162.5°	924.8	929.6	924.8	920.0	918.9	903.0	881.7	871.0	865.4	854.4	846.1
165°	911.5	916.5	911.5	906.6	905.3	893.9	878.6	871.0	868.5	863.4	859.7
167.5°	902.0	904.1	902.0	899.9	899.4	891.9	881.8	876.9	874.8	870.6	867.4
170°	899.4	899.4	899.4	899.4	899.4	891.9	881.8	876.9	876.8	876.5	876.3
172.5°	892.4	890.5	892.4	894.2	894.6	888.7	880.8	876.9	876.9	876.9	876.9
175°	888.2	888.2	888.2	888.2	888.2	884.4	879.4	876.9	878.0	880.4	882.2
177.5°	884.3	882.2	884.3	886.4	886.9	883.9	880.0	878.0	879.0	880.8	882.2
180°	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2



TEST NUMBER: P934895

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4
2.5°	2705.2	2690.1	2690.1	2664.9	2654.8	2647.3	2634.6	2596.7	2586.6	2576.6	2591.7
5°	2728.0	2700.2	2680.0	2634.6	2596.7	2581.6	2533.6	2442.8	2382.2	2336.8	2311.6
7.5°	2733.0	2697.7	2659.9	2589.2	2498.3	2458.0	2311.6	2145.0	2099.6	2059.3	2034.0
10°	2728.0	2687.6	2634.6	2528.6	2314.1	2243.5	2097.1	1988.6	1960.8	1953.3	1960.8
12.5°	2710.3	2672.5	2599.2	2422.6	2122.3	2074.4	1988.6	1925.5	1920.4	1933.0	2001.2
15°	2680.0	2644.7	2558.9	2281.3	2016.3	1981.0	1920.4	1897.7	1925.5	2013.8	2218.2
17.5°	2649.7	2609.3	2503.3	2142.5	1935.6	1910.4	1867.4	1912.9	2069.3	2187.9	2256.1
20°	2609.3	2561.4	2440.3	2041.6	1877.5	1854.8	1834.7	2039.0	2157.6	2200.5	2238.4
22.5°	2561.4	2511.0	2354.5	1970.9	1817.0	1799.3	1811.9	2109.7	2157.6	2187.9	2220.8
25°	2498.3	2455.4	2253.5	1915.3	1769.0	1748.8	1796.7	2102.1	2129.8	2137.5	2203.1
27.5°	2440.3	2384.7	2147.5	1864.9	1711.0	1703.4	1809.4	2069.3	2089.5	2097.1	2167.8
30°	2369.6	2286.4	2028.9	1811.9	1650.4	1647.9	1811.9	2028.9	2023.9	2044.1	2114.8
32.5°	2296.5	2140.0	1895.2	1746.3	1592.4	1589.9	1794.3	1968.4	1963.3	1991.1	2044.1
35°	2228.3	2026.4	1713.5	1670.6	1519.2	1521.7	1751.4	1897.7	1900.3	1925.5	1958.3
37.5°	2157.6	1928.0	1514.2	1587.3	1448.5	1448.5	1693.3	1832.1	1827.1	1834.7	1880.0
40°	2074.4	1774.1	1337.5	1478.8	1382.9	1375.3	1622.6	1761.4	1743.7	1741.3	1804.4
42.5°	1986.0	1605.0	1206.3	1335.0	1307.2	1297.1	1536.9	1675.6	1642.8	1650.4	1731.1
45°	1890.1	1559.5	1105.3	1128.0	1229.0	1221.4	1443.5	1577.2	1554.5	1574.7	1658.0
47.5°	1794.3	1468.7	1072.6	936.3	1145.7	1143.1	1340.1	1481.3	1468.7	1488.9	1577.2
50°	1663.0	1367.8	1070.0	802.5	1052.3	1062.4	1216.4	1388.0	1388.0	1405.7	1499.0
52.5°	1493.9	1244.1	971.6	726.8	943.8	974.1	1107.8	1307.2	1312.3	1329.9	1413.2
55°	1340.1	1115.4	900.9	668.8	815.1	880.7	1001.9	1223.9	1234.1	1251.7	1327.4
57.5°	1198.7	928.6	885.8	600.6	696.5	759.6	908.5	1143.1	1148.2	1163.4	1236.5
60°	1047.3	671.3	812.6	527.4	593.1	641.0	822.6	1047.3	1064.9	1075.0	1138.2
62.5°	875.6	487.0	736.9	476.9	542.5	552.7	752.1	956.4	979.2	986.7	1024.5
65°	623.3	408.8	625.8	434.0	489.5	492.1	676.3	863.0	883.3	895.9	923.6
67.5°	421.4	333.1	476.9	393.7	449.2	451.7	603.2	754.5	782.3	792.4	810.0
70°	292.7	222.0	353.3	350.8	403.8	408.8	524.9	656.1	681.4	688.9	699.1
72.5°	214.5	179.2	292.7	315.4	355.8	360.9	444.2	545.1	570.3	577.9	582.9
75°	164.1	189.3	237.2	275.0	302.8	305.3	363.4	444.2	461.8	466.9	469.4
77.5°	131.2	176.7	174.1	222.0	247.3	242.3	285.2	343.2	358.3	358.3	358.3
80°	98.5	138.8	131.2	159.0	181.7	176.7	204.4	244.8	249.8	254.9	252.3
82.5°	73.2	88.3	88.3	100.9	121.1	116.1	136.3	159.0	159.0	159.0	164.1
85°	45.5	50.4	40.4	53.0	68.1	65.6	75.7	85.8	88.3	88.3	83.3
87.5°	27.8	22.7	12.6	20.2	30.3	30.3	35.3	37.8	35.3	35.3	35.3
90°	15.5	10.7	5.9	10.7	15.5	16.6	26.1	38.7	45.0	40.0	30.0
92.5°	104.3	64.0	23.7	64.0	104.3	114.3	160.7	222.5	253.5	222.1	159.5
95°	204.2	130.5	56.8	130.5	204.2	222.6	395.3	625.5	740.7	661.0	501.5
97.5°	228.3	163.3	98.3	163.3	228.3	244.6	532.5	916.4	1108.4	1057.9	957.2
100°	248.2	189.2	130.3	189.2	248.2	262.9	582.5	1008.5	1221.4	1225.2	1232.5
102.5°	267.5	212.5	157.5	212.5	267.5	281.2	605.3	1037.4	1253.4	1317.6	1446.1
105°	296.8	250.3	203.7	250.3	296.8	308.5	622.3	1040.7	1249.9	1393.8	1681.7
107.5°	337.9	294.5	251.1	294.5	337.9	348.8	625.4	994.3	1178.9	1379.6	1781.2
110°	361.4	322.2	283.1	322.2	361.4	371.2	620.7	953.3	1119.6	1344.1	1793.0



TEST NUMBER: P934895

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	389.1	351.7	314.4	351.7	389.1	398.4	620.8	917.5	1065.8	1295.6	1755.0
115°	430.7	396.2	361.8	396.2	430.7	439.3	626.6	876.3	1001.2	1222.5	1665.1
117.5°	471.2	439.9	408.5	439.9	471.2	479.0	638.3	850.6	956.8	1156.5	1556.0
120°	494.7	465.2	435.8	465.2	494.7	502.0	647.7	841.9	939.1	1121.6	1486.6
122.5°	521.9	492.2	462.4	492.2	521.9	529.4	661.3	837.3	925.4	1089.8	1418.5
125°	557.4	530.4	503.3	530.4	557.4	564.2	679.7	833.6	910.6	1050.2	1329.4
127.5°	591.1	563.8	536.4	563.8	591.1	598.0	698.1	831.5	898.2	1018.0	1257.7
130°	613.1	583.6	554.2	583.6	613.1	620.5	711.5	832.9	893.5	1000.2	1213.6
132.5°	631.5	602.0	572.5	602.0	631.5	638.9	722.4	833.6	889.3	984.8	1175.9
135°	653.5	626.6	599.7	626.6	653.5	660.2	734.2	832.9	882.2	962.3	1122.2
137.5°	680.7	654.2	627.6	654.2	680.7	687.4	752.0	838.0	881.0	948.6	1083.9
140°	699.6	675.2	650.7	675.2	699.6	705.7	762.8	838.9	876.9	935.3	1052.1
142.5°	713.8	691.1	668.5	691.1	713.8	719.4	771.9	841.9	876.9	928.2	1030.8
145°	735.2	715.5	695.7	715.5	735.2	740.1	783.8	841.9	871.0	913.0	996.9
147.5°	761.4	742.1	722.9	742.1	761.4	766.2	801.1	847.7	871.0	904.0	970.0
150°	775.5	758.1	740.7	758.1	775.5	779.8	810.1	850.7	871.0	898.8	954.6
152.5°	785.4	772.2	759.0	772.2	785.4	788.6	816.0	852.6	871.0	894.7	942.4
155°	805.7	796.0	786.3	796.0	805.7	808.2	829.1	857.0	871.0	889.9	927.8
157.5°	825.3	815.9	806.4	815.9	825.3	827.7	842.1	861.3	871.0	885.7	915.2
160°	834.8	827.4	820.1	827.4	834.8	836.6	848.0	863.3	871.0	883.6	908.9
162.5°	844.7	839.2	833.6	839.2	844.7	846.1	854.4	865.4	871.0	881.7	903.0
165°	858.4	853.4	848.4	853.4	858.4	859.7	863.4	868.5	871.0	878.6	893.9
167.5°	866.9	864.5	862.1	864.5	866.9	867.4	870.6	874.8	876.9	881.8	891.9
170°	875.7	873.3	871.0	873.3	875.7	876.3	876.5	876.8	876.9	881.8	891.9
172.5°	876.8	876.2	875.7	876.2	876.8	876.9	876.9	876.9	876.9	880.8	888.7
175°	882.2	882.2	882.2	882.2	882.2	882.2	880.4	878.0	876.9	879.4	884.4
177.5°	882.2	882.2	882.2	882.2	882.2	882.2	880.8	879.0	878.0	880.0	883.9
180°	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2



TEST NUMBER: P934895

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4
2.5°	2574.0	2566.5	2576.6	2548.8	2576.6	2566.5	2574.0	2591.7	2576.6	2586.6	2596.7
5°	2258.6	2246.0	2205.6	2172.8	2205.6	2246.0	2258.6	2311.6	2336.8	2382.2	2442.8
7.5°	2018.9	2008.7	1998.6	1978.5	1998.6	2008.7	2018.9	2034.0	2059.3	2099.6	2145.0
10°	1965.9	1968.4	1983.5	1981.0	1983.5	1968.4	1965.9	1960.8	1953.3	1960.8	1988.6
12.5°	2102.1	2124.9	2208.2	2203.1	2208.2	2124.9	2102.1	2001.2	1933.0	1920.4	1925.5
15°	2258.6	2266.1	2283.8	2286.4	2283.8	2266.1	2258.6	2218.2	2013.8	1925.5	1897.7
17.5°	2273.8	2276.2	2288.8	2288.8	2288.8	2276.2	2273.8	2256.1	2187.9	2069.3	1912.9
20°	2261.2	2266.1	2291.4	2296.5	2291.4	2266.1	2261.2	2238.4	2200.5	2157.6	2039.0
22.5°	2256.1	2266.1	2286.4	2283.8	2286.4	2266.1	2256.1	2220.8	2187.9	2157.6	2109.7
25°	2230.8	2230.8	2233.4	2235.8	2233.4	2230.8	2230.8	2203.1	2137.5	2129.8	2102.1
27.5°	2177.9	2182.8	2198.0	2195.5	2198.0	2182.8	2177.9	2167.8	2097.1	2089.5	2069.3
30°	2129.8	2124.9	2112.2	2102.1	2112.2	2124.9	2129.8	2114.8	2044.1	2023.9	2028.9
32.5°	2049.1	2036.5	2023.9	2016.3	2023.9	2036.5	2049.1	2044.1	1991.1	1963.3	1968.4
35°	1953.3	1955.7	1953.3	1945.6	1953.3	1955.7	1953.3	1958.3	1925.5	1900.3	1897.7
37.5°	1885.1	1890.1	1887.7	1877.5	1887.7	1890.1	1885.1	1880.0	1834.7	1827.1	1832.1
40°	1814.4	1817.0	1814.4	1806.9	1814.4	1817.0	1814.4	1804.4	1741.3	1743.7	1761.4
42.5°	1746.3	1743.7	1736.2	1731.1	1736.2	1743.7	1746.3	1731.1	1650.4	1642.8	1675.6
45°	1668.1	1670.6	1655.5	1647.9	1655.5	1670.6	1668.1	1658.0	1574.7	1554.5	1577.2
47.5°	1589.9	1589.9	1577.2	1569.6	1577.2	1589.9	1589.9	1577.2	1488.9	1468.7	1481.3
50°	1506.6	1504.0	1486.4	1483.9	1486.4	1504.0	1506.6	1499.0	1405.7	1388.0	1388.0
52.5°	1410.6	1410.6	1413.2	1418.3	1413.2	1410.6	1410.6	1413.2	1329.9	1312.3	1307.2
55°	1327.4	1329.9	1347.6	1352.7	1347.6	1329.9	1327.4	1327.4	1251.7	1234.1	1223.9
57.5°	1241.6	1241.6	1254.2	1254.2	1254.2	1241.6	1241.6	1236.5	1163.4	1148.2	1143.1
60°	1143.1	1148.2	1158.3	1155.8	1158.3	1148.2	1143.1	1138.2	1075.0	1064.9	1047.3
62.5°	1039.7	1044.8	1047.3	1042.2	1047.3	1044.8	1039.7	1024.5	986.7	979.2	956.4
65°	931.2	936.3	938.8	933.7	938.8	936.3	931.2	923.6	895.9	883.3	863.0
67.5°	820.2	817.7	815.1	825.2	815.1	817.7	820.2	810.0	792.4	782.3	754.5
70°	706.6	706.6	704.0	709.1	704.0	706.6	706.6	699.1	688.9	681.4	656.1
72.5°	585.5	582.9	593.1	585.5	593.1	582.9	585.5	582.9	577.9	570.3	545.1
75°	466.9	471.9	466.9	474.4	466.9	471.9	466.9	469.4	466.9	461.8	444.2
77.5°	355.8	360.9	355.8	355.8	355.8	360.9	355.8	358.3	358.3	358.3	343.2
80°	252.3	249.8	249.8	247.3	249.8	249.8	252.3	252.3	254.9	249.8	244.8
82.5°	161.5	159.0	159.0	164.1	159.0	159.0	161.5	164.1	159.0	159.0	159.0
85°	88.3	90.8	85.8	85.8	85.8	90.8	88.3	83.3	88.3	88.3	85.8
87.5°	32.9	30.3	30.3	30.3	30.3	30.3	32.9	35.3	35.3	35.3	37.8
90°	22.5	22.5	22.5	22.5	22.5	22.5	22.5	30.0	40.0	45.0	38.7
92.5°	112.5	108.0	90.2	72.2	90.2	108.0	112.5	159.5	222.1	253.5	222.5
95°	381.9	368.3	314.2	260.0	314.2	368.3	381.9	501.5	661.0	740.7	625.5
97.5°	881.7	855.9	752.6	649.5	752.6	855.9	881.7	957.2	1057.9	1108.4	916.4
100°	1238.1	1207.3	1084.5	961.6	1084.5	1207.3	1238.1	1232.5	1225.2	1221.4	1008.5
102.5°	1542.4	1516.1	1410.8	1305.6	1410.8	1516.1	1542.4	1446.1	1317.6	1253.4	1037.4
105°	1897.6	1883.5	1826.8	1770.3	1826.8	1883.5	1897.6	1681.7	1393.8	1249.9	1040.7
107.5°	2082.4	2085.8	2099.5	2113.1	2099.5	2085.8	2082.4	1781.2	1379.6	1178.9	994.3
110°	2129.7	2144.5	2203.5	2262.4	2203.5	2144.5	2129.7	1793.0	1344.1	1119.6	953.3



TEST NUMBER: P934895

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2099.6	2122.2	2212.6	2303.2	2212.6	2122.2	2099.6	1755.0	1295.6	1065.8	917.5
115°	1997.1	2028.5	2154.0	2279.5	2154.0	2028.5	1997.1	1665.1	1222.5	1001.2	876.3
117.5°	1855.6	1890.3	2029.6	2168.8	2029.6	1890.3	1855.6	1556.0	1156.5	956.8	850.6
120°	1760.3	1794.1	1929.4	2064.6	1929.4	1794.1	1760.3	1486.6	1121.6	939.1	841.9
122.5°	1664.9	1698.3	1831.7	1965.1	1831.7	1698.3	1664.9	1418.5	1089.8	925.4	837.3
125°	1538.8	1569.5	1692.5	1815.4	1692.5	1569.5	1538.8	1329.4	1050.2	910.6	833.6
127.5°	1437.6	1463.4	1567.2	1670.9	1567.2	1463.4	1437.6	1257.7	1018.0	898.2	831.5
130°	1373.7	1397.6	1493.3	1589.1	1493.3	1397.6	1373.7	1213.6	1000.2	893.5	832.9
132.5°	1319.1	1340.6	1426.4	1512.1	1426.4	1340.6	1319.1	1175.9	984.8	889.3	833.6
135°	1242.2	1260.7	1334.6	1408.5	1334.6	1260.7	1242.2	1122.2	962.3	882.2	832.9
137.5°	1185.3	1200.4	1261.0	1321.5	1261.0	1200.4	1185.3	1083.9	948.6	881.0	838.0
140°	1139.8	1153.9	1210.6	1267.1	1210.6	1153.9	1139.8	1052.1	935.3	876.9	838.9
142.5°	1107.8	1119.9	1168.6	1217.3	1168.6	1119.9	1107.8	1030.8	928.2	876.9	841.9
145°	1059.9	1069.0	1105.9	1142.8	1105.9	1069.0	1059.9	996.9	913.0	871.0	841.9
147.5°	1019.6	1027.2	1057.7	1088.2	1057.7	1027.2	1019.6	970.0	904.0	871.0	847.7
150°	996.4	1002.7	1027.4	1052.1	1027.4	1002.7	996.4	954.6	898.8	871.0	850.7
152.5°	978.1	982.8	1001.4	1020.1	1001.4	982.8	978.1	942.4	894.7	871.0	852.6
155°	956.2	959.3	971.7	984.0	971.7	959.3	956.2	927.8	889.9	871.0	857.0
157.5°	937.2	939.4	948.1	956.8	948.1	939.4	937.2	915.2	885.7	871.0	861.3
160°	927.8	929.0	934.1	939.1	934.1	929.0	927.8	908.9	883.6	871.0	863.3
162.5°	918.9	920.0	924.8	929.6	924.8	920.0	918.9	903.0	881.7	871.0	865.4
165°	905.3	906.6	911.5	916.5	911.5	906.6	905.3	893.9	878.6	871.0	868.5
167.5°	899.4	899.9	902.0	904.1	902.0	899.9	899.4	891.9	881.8	876.9	874.8
170°	899.4	899.4	899.4	899.4	899.4	899.4	899.4	891.9	881.8	876.9	876.8
172.5°	894.6	894.2	892.4	890.5	892.4	894.2	894.6	888.7	880.8	876.9	876.9
175°	888.2	888.2	888.2	888.2	888.2	888.2	888.2	884.4	879.4	876.9	878.0
177.5°	886.9	886.4	884.3	882.2	884.3	886.4	886.9	883.9	880.0	878.0	879.0
180°	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2



TEST NUMBER: P934895  
 CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	2667.4	2667.4	2667.4	2667.4	2667.4
2.5°	2634.6	2647.3	2654.8	2664.9	2690.1
5°	2533.6	2581.6	2596.7	2634.6	2680.0
7.5°	2311.6	2458.0	2498.3	2589.2	2659.9
10°	2097.1	2243.5	2314.1	2528.6	2634.6
12.5°	1988.6	2074.4	2122.3	2422.6	2599.2
15°	1920.4	1981.0	2016.3	2281.3	2558.9
17.5°	1867.4	1910.4	1935.6	2142.5	2503.3
20°	1834.7	1854.8	1877.5	2041.6	2440.3
22.5°	1811.9	1799.3	1817.0	1970.9	2354.5
25°	1796.7	1748.8	1769.0	1915.3	2253.5
27.5°	1809.4	1703.4	1711.0	1864.9	2147.5
30°	1811.9	1647.9	1650.4	1811.9	2028.9
32.5°	1794.3	1589.9	1592.4	1746.3	1895.2
35°	1751.4	1521.7	1519.2	1670.6	1713.5
37.5°	1693.3	1448.5	1448.5	1587.3	1514.2
40°	1622.6	1375.3	1382.9	1478.8	1337.5
42.5°	1536.9	1297.1	1307.2	1335.0	1206.3
45°	1443.5	1221.4	1229.0	1128.0	1105.3
47.5°	1340.1	1143.1	1145.7	936.3	1072.6
50°	1216.4	1062.4	1052.3	802.5	1070.0
52.5°	1107.8	974.1	943.8	726.8	971.6
55°	1001.9	880.7	815.1	668.8	900.9
57.5°	908.5	759.6	696.5	600.6	885.8
60°	822.6	641.0	593.1	527.4	812.6
62.5°	752.1	552.7	542.5	476.9	736.9
65°	676.3	492.1	489.5	434.0	625.8
67.5°	603.2	451.7	449.2	393.7	476.9
70°	524.9	408.8	403.8	350.8	353.3
72.5°	444.2	360.9	355.8	315.4	292.7
75°	363.4	305.3	302.8	275.0	237.2
77.5°	285.2	242.3	247.3	222.0	174.1
80°	204.4	176.7	181.7	159.0	131.2
82.5°	136.3	116.1	121.1	100.9	88.3
85°	75.7	65.6	68.1	53.0	40.4
87.5°	35.3	30.3	30.3	20.2	12.6
90°	26.1	16.6	15.5	10.7	5.9
92.5°	160.7	114.3	104.3	64.0	23.7
95°	395.3	222.6	204.2	130.5	56.8
97.5°	532.5	244.6	228.3	163.3	98.3
100°	582.5	262.9	248.2	189.2	130.3
102.5°	605.3	281.2	267.5	212.5	157.5
105°	622.3	308.5	296.8	250.3	203.7
107.5°	625.4	348.8	337.9	294.5	251.1
110°	620.7	371.2	361.4	322.2	283.1



TEST NUMBER: P934895

CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	620.8	398.4	389.1	351.7	314.4
115°	626.6	439.3	430.7	396.2	361.8
117.5°	638.3	479.0	471.2	439.9	408.5
120°	647.7	502.0	494.7	465.2	435.8
122.5°	661.3	529.4	521.9	492.2	462.4
125°	679.7	564.2	557.4	530.4	503.3
127.5°	698.1	598.0	591.1	563.8	536.4
130°	711.5	620.5	613.1	583.6	554.2
132.5°	722.4	638.9	631.5	602.0	572.5
135°	734.2	660.2	653.5	626.6	599.7
137.5°	752.0	687.4	680.7	654.2	627.6
140°	762.8	705.7	699.6	675.2	650.7
142.5°	771.9	719.4	713.8	691.1	668.5
145°	783.8	740.1	735.2	715.5	695.7
147.5°	801.1	766.2	761.4	742.1	722.9
150°	810.1	779.8	775.5	758.1	740.7
152.5°	816.0	788.6	785.4	772.2	759.0
155°	829.1	808.2	805.7	796.0	786.3
157.5°	842.1	827.7	825.3	815.9	806.4
160°	848.0	836.6	834.8	827.4	820.1
162.5°	854.4	846.1	844.7	839.2	833.6
165°	863.4	859.7	858.4	853.4	848.4
167.5°	870.6	867.4	866.9	864.5	862.1
170°	876.5	876.3	875.7	873.3	871.0
172.5°	876.9	876.9	876.8	876.2	875.7
175°	880.4	882.2	882.2	882.2	882.2
177.5°	880.8	882.2	882.2	882.2	882.2
180°	882.2	882.2	882.2	882.2	882.2



TEST NUMBER: P934895  
 CATALOG NUMBER: SQ4-FA-075U-100D-B2750-1D-UNV-STD-W-8-4000K

**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	13.98	14.88	14.89	15.82	17.02	16.81	17.72	17.73	18.65	19.86
	3H	14.46	15.27	15.38	16.21	17.44	18.17	18.98	19.09	19.92	21.15
	4H	14.65	15.42	15.59	16.37	17.60	18.61	19.38	19.55	20.33	21.56
	6H	14.77	15.48	15.72	16.43	17.68	18.90	19.61	19.86	20.56	21.81
	8H	14.77	15.45	15.73	16.42	17.66	18.98	19.65	19.94	20.62	21.87
	12H	14.75	15.39	15.71	16.35	17.62	19.02	19.66	19.99	20.63	21.90
4H	2H	15.02	15.78	15.96	16.73	17.97	17.23	18.00	18.18	18.94	20.18
	3H	16.05	16.69	17.00	17.67	18.91	18.74	19.38	19.70	20.36	21.61
	4H	16.33	16.91	17.29	17.88	19.16	19.27	19.86	20.24	20.83	22.10
	6H	16.45	16.96	17.43	17.95	19.22	19.64	20.14	20.62	21.14	22.41
	8H	16.46	16.93	17.44	17.92	19.21	19.75	20.22	20.73	21.21	22.50
	12H	16.43	16.85	17.43	17.86	19.15	19.81	20.23	20.81	21.24	22.53
8H	4H	16.78	17.25	17.77	18.24	19.53	19.40	19.87	20.38	20.86	22.15
	6H	17.05	17.44	18.05	18.47	19.75	19.84	20.23	20.85	21.26	22.55
	8H	17.09	17.43	18.11	18.45	19.75	19.99	20.34	21.01	21.36	22.66
	12H	17.08	17.38	18.09	18.39	19.74	20.10	20.40	21.11	21.41	22.76
12H	4H	16.79	17.22	17.79	18.22	19.51	19.37	19.79	20.37	20.80	22.09
	6H	17.11	17.45	18.12	18.47	19.77	19.84	20.18	20.85	21.20	22.50
	8H	17.18	17.48	18.20	18.49	19.84	20.00	20.30	21.02	21.32	22.67