

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: P934948

Luminaire Tested: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-6500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934948
REPORT IS A COMBINATION OF REPORTS P933720 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-6500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

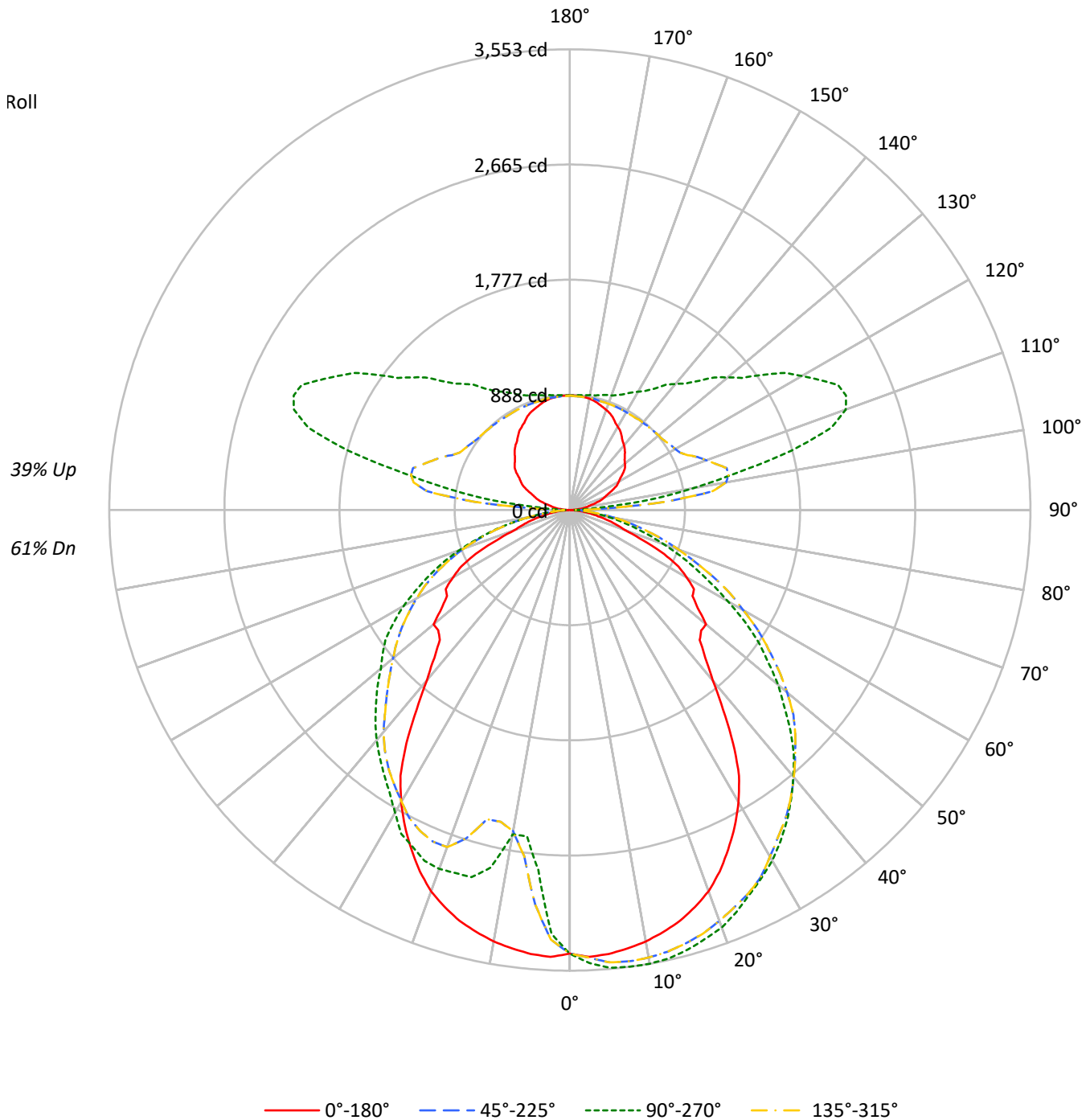
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14598.2 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-6500K

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

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	2.1
10°-20°	876.6	6.0
20°-30°	1355.1	9.3
30°-40°	1617.8	11.1
40°-50°	1627.2	11.1
50°-60°	1415.9	9.7
60°-70°	1003.9	6.9
70°-80°	531.1	3.6
80°-90°	135.7	0.9
90°-100°	430.6	2.9
100°-110°	1132.0	7.8
110°-120°	1173.7	8.0
120°-130°	941.5	6.4
130°-140°	738.7	5.1
140°-150°	567.0	3.9
150°-160°	408.3	2.8
160°-170°	249.8	1.7
170°-180°	84.4	0.6
0°-30°	2540.5	17.4
0°-40°	4158.3	28.5
0°-60°	7201.4	49.3
0°-90°	8872.1	60.8
90°-120°	2736.3	18.7
90°-150°	4983.6	34.1
90°-180°	5726.0	39.2
0°-180°	14598.2	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°	6	23	6	23	6	7
95°	57	260	57	260	57	63
105°	204	1772	204	1772	204	216
115°	362	2282	362	2282	362	358
125°	504	1818	504	1818	504	447
135°	600	1410	600	1410	600	465
145°	697	1144	697	1144	697	436
155°	787	985	787	985	787	362
165°	850	918	850	918	850	240
175°	883	889	883	889	883	84
180°	883	883	883	883	883	



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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°	5.9	10.7	15.5	16.6	26.1	38.7	45.0	40.1	30.0	22.6	22.6
92.5°	23.7	64.1	104.4	114.5	160.9	222.8	253.8	222.4	159.7	112.6	108.1
95°	56.9	130.7	204.4	222.9	395.8	626.3	741.6	661.8	502.1	382.4	368.8
97.5°	98.4	163.5	228.6	244.9	533.2	917.6	1109.8	1059.3	958.4	882.8	856.9
100°	130.4	189.4	248.5	263.2	583.2	1009.7	1223.0	1226.7	1234.1	1239.6	1208.8
102.5°	157.7	212.8	267.8	281.6	606.0	1038.7	1255.0	1319.3	1447.9	1544.3	1518.0
105°	204.0	250.6	297.2	308.9	623.1	1042.0	1251.5	1395.6	1683.8	1900.0	1885.8
107.5°	251.4	294.9	338.3	349.2	626.2	995.6	1180.3	1381.3	1783.4	2085.0	2088.4
110°	283.4	322.6	361.8	371.7	621.4	954.5	1121.0	1345.7	1795.3	2132.4	2147.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	314.8	352.2	389.6	398.9	621.6	918.6	1067.1	1297.2	1757.2	2102.2	2124.9
115°	362.2	396.7	431.2	439.8	627.4	877.4	1002.5	1224.0	1667.2	1999.6	2031.0
117.5°	409.1	440.4	471.8	479.6	639.1	851.7	958.0	1157.9	1557.9	1857.9	1892.7
120°	436.3	465.8	495.3	502.7	648.5	843.0	940.2	1123.0	1488.4	1762.5	1796.3
122.5°	463.0	492.8	522.6	530.0	662.2	838.4	926.6	1091.1	1420.2	1667.0	1700.4
125°	503.9	531.1	558.1	564.9	680.5	834.7	911.7	1051.5	1331.0	1540.7	1571.5
127.5°	537.1	564.5	591.9	598.8	699.0	832.6	899.3	1019.3	1259.3	1439.4	1465.3
130°	554.9	584.3	613.9	621.2	712.4	833.9	894.6	1001.4	1215.1	1375.4	1399.4
132.5°	573.2	602.8	632.3	639.7	723.3	834.7	890.4	986.0	1177.4	1320.8	1342.3
135°	600.5	627.4	654.3	661.0	735.1	833.9	883.3	963.5	1123.6	1243.7	1262.3
137.5°	628.4	655.0	681.6	688.3	752.9	839.1	882.1	949.8	1085.3	1186.8	1201.9
140°	651.5	676.0	700.5	706.6	763.7	839.9	878.0	936.5	1053.4	1141.2	1155.4
142.5°	669.3	692.0	714.7	720.3	772.9	843.0	878.0	929.3	1032.1	1109.2	1121.3
145°	696.6	716.4	736.1	741.0	784.7	843.0	872.0	914.1	998.2	1061.2	1070.4
147.5°	723.8	743.1	762.4	767.2	802.2	848.7	872.0	905.1	971.2	1020.8	1028.5
150°	741.6	759.0	776.4	780.7	811.1	851.8	872.0	900.0	955.8	997.7	1003.9
152.5°	760.0	773.2	786.4	789.6	817.1	853.7	872.0	895.9	943.6	979.3	984.0
155°	787.2	797.0	806.7	809.2	830.2	858.1	872.0	891.0	928.9	957.4	960.5
157.5°	807.4	816.9	826.3	828.7	843.2	862.4	872.0	886.8	916.3	938.4	940.6
160°	821.1	828.4	835.8	837.6	849.1	864.4	872.0	884.7	910.0	928.9	930.2
162.5°	834.7	840.2	845.8	847.2	855.5	866.5	872.0	882.8	904.1	920.0	921.2
165°	849.5	854.5	859.5	860.8	864.5	869.6	872.0	879.7	895.0	906.5	907.7
167.5°	863.2	865.5	867.9	868.5	871.7	875.9	878.0	882.9	893.0	900.5	901.0
170°	872.0	874.4	876.8	877.4	877.6	877.9	878.0	882.9	893.0	900.5	900.5
172.5°	876.8	877.3	877.9	878.0	878.0	878.0	878.0	881.9	889.8	895.8	895.3
175°	883.3	883.3	883.3	883.3	881.5	879.1	878.0	880.5	885.5	889.3	889.3
177.5°	883.3	883.3	883.3	883.3	881.9	880.1	879.1	881.1	885.1	888.0	887.5
180°	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3



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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°	22.6	22.6	22.6	22.6	22.6	30.0	40.1	45.0	38.7	26.1	16.6
92.5°	90.3	72.3	90.3	108.1	112.6	159.7	222.4	253.8	222.8	160.9	114.5
95°	314.6	260.3	314.6	368.8	382.4	502.1	661.8	741.6	626.3	395.8	222.9
97.5°	753.6	650.3	753.6	856.9	882.8	958.4	1059.3	1109.8	917.6	533.2	244.9
100°	1085.9	962.8	1085.9	1208.8	1239.6	1234.1	1226.7	1223.0	1009.7	583.2	263.2
102.5°	1412.6	1307.2	1412.6	1518.0	1544.3	1447.9	1319.3	1255.0	1038.7	606.0	281.6
105°	1829.1	1772.5	1829.1	1885.8	1900.0	1683.8	1395.6	1251.5	1042.0	623.1	308.9
107.5°	2102.1	2115.8	2102.1	2088.4	2085.0	1783.4	1381.3	1180.3	995.6	626.2	349.2
110°	2206.2	2265.2	2206.2	2147.1	2132.4	1795.3	1345.7	1121.0	954.5	621.4	371.7



TEST NUMBER: P934948

CATALOG NUMBER: SQ4-FA-075U-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°	2215.4	2306.1	2215.4	2124.9	2102.2	1757.2	1297.2	1067.1	918.6	621.6	398.9
115°	2156.7	2282.3	2156.7	2031.0	1999.6	1667.2	1224.0	1002.5	877.4	627.4	439.8
117.5°	2032.1	2171.5	2032.1	1892.7	1857.9	1557.9	1157.9	958.0	851.7	639.1	479.6
120°	1931.8	2067.2	1931.8	1796.3	1762.5	1488.4	1123.0	940.2	843.0	648.5	502.7
122.5°	1834.0	1967.6	1834.0	1700.4	1667.0	1420.2	1091.1	926.6	838.4	662.2	530.0
125°	1694.6	1817.6	1694.6	1571.5	1540.7	1331.0	1051.5	911.7	834.7	680.5	564.9
127.5°	1569.1	1673.0	1569.1	1465.3	1439.4	1259.3	1019.3	899.3	832.6	699.0	598.8
130°	1495.2	1591.1	1495.2	1399.4	1375.4	1215.1	1001.4	894.6	833.9	712.4	621.2
132.5°	1428.2	1514.0	1428.2	1342.3	1320.8	1177.4	986.0	890.4	834.7	723.3	639.7
135°	1336.3	1410.3	1336.3	1262.3	1243.7	1123.6	963.5	883.3	833.9	735.1	661.0
137.5°	1262.6	1323.2	1262.6	1201.9	1186.8	1085.3	949.8	882.1	839.1	752.9	688.3
140°	1212.1	1268.7	1212.1	1155.4	1141.2	1053.4	936.5	878.0	839.9	763.7	706.6
142.5°	1170.1	1218.9	1170.1	1121.3	1109.2	1032.1	929.3	878.0	843.0	772.9	720.3
145°	1107.3	1144.2	1107.3	1070.4	1061.2	998.2	914.1	872.0	843.0	784.7	741.0
147.5°	1059.0	1089.6	1059.0	1028.5	1020.8	971.2	905.1	872.0	848.7	802.2	767.2
150°	1028.7	1053.4	1028.7	1003.9	997.7	955.8	900.0	872.0	851.8	811.1	780.7
152.5°	1002.7	1021.4	1002.7	984.0	979.3	943.6	895.9	872.0	853.7	817.1	789.6
155°	972.9	985.3	972.9	960.5	957.4	928.9	891.0	872.0	858.1	830.2	809.2
157.5°	949.3	958.0	949.3	940.6	938.4	916.3	886.8	872.0	862.4	843.2	828.7
160°	935.3	940.2	935.3	930.2	928.9	910.0	884.7	872.0	864.4	849.1	837.6
162.5°	926.0	930.8	926.0	921.2	920.0	904.1	882.8	872.0	866.5	855.5	847.2
165°	912.7	917.7	912.7	907.7	906.5	895.0	879.7	872.0	869.6	864.5	860.8
167.5°	903.1	905.2	903.1	901.0	900.5	893.0	882.9	878.0	875.9	871.7	868.5
170°	900.5	900.5	900.5	900.5	900.5	893.0	882.9	878.0	877.9	877.6	877.4
172.5°	893.5	891.6	893.5	895.3	895.8	889.8	881.9	878.0	878.0	878.0	878.0
175°	889.3	889.3	889.3	889.3	889.3	885.5	880.5	878.0	879.1	881.5	883.3
177.5°	885.4	883.3	885.4	887.5	888.0	885.1	881.1	879.1	880.1	881.9	883.3
180°	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3



TEST NUMBER: P934948

CATALOG NUMBER: SQ4-FA-075U-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°	15.5	10.7	5.9	10.7	15.5	16.6	26.1	38.7	45.0	40.1	30.0
92.5°	104.4	64.1	23.7	64.1	104.4	114.5	160.9	222.8	253.8	222.4	159.7
95°	204.4	130.7	56.9	130.7	204.4	222.9	395.8	626.3	741.6	661.8	502.1
97.5°	228.6	163.5	98.4	163.5	228.6	244.9	533.2	917.6	1109.8	1059.3	958.4
100°	248.5	189.4	130.4	189.4	248.5	263.2	583.2	1009.7	1223.0	1226.7	1234.1
102.5°	267.8	212.8	157.7	212.8	267.8	281.6	606.0	1038.7	1255.0	1319.3	1447.9
105°	297.2	250.6	204.0	250.6	297.2	308.9	623.1	1042.0	1251.5	1395.6	1683.8
107.5°	338.3	294.9	251.4	294.9	338.3	349.2	626.2	995.6	1180.3	1381.3	1783.4
110°	361.8	322.6	283.4	322.6	361.8	371.7	621.4	954.5	1121.0	1345.7	1795.3



TEST NUMBER: P934948

CATALOG NUMBER: SQ4-FA-075U-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°	389.6	352.2	314.8	352.2	389.6	398.9	621.6	918.6	1067.1	1297.2	1757.2
115°	431.2	396.7	362.2	396.7	431.2	439.8	627.4	877.4	1002.5	1224.0	1667.2
117.5°	471.8	440.4	409.1	440.4	471.8	479.6	639.1	851.7	958.0	1157.9	1557.9
120°	495.3	465.8	436.3	465.8	495.3	502.7	648.5	843.0	940.2	1123.0	1488.4
122.5°	522.6	492.8	463.0	492.8	522.6	530.0	662.2	838.4	926.6	1091.1	1420.2
125°	558.1	531.1	503.9	531.1	558.1	564.9	680.5	834.7	911.7	1051.5	1331.0
127.5°	591.9	564.5	537.1	564.5	591.9	598.8	699.0	832.6	899.3	1019.3	1259.3
130°	613.9	584.3	554.9	584.3	613.9	621.2	712.4	833.9	894.6	1001.4	1215.1
132.5°	632.3	602.8	573.2	602.8	632.3	639.7	723.3	834.7	890.4	986.0	1177.4
135°	654.3	627.4	600.5	627.4	654.3	661.0	735.1	833.9	883.3	963.5	1123.6
137.5°	681.6	655.0	628.4	655.0	681.6	688.3	752.9	839.1	882.1	949.8	1085.3
140°	700.5	676.0	651.5	676.0	700.5	706.6	763.7	839.9	878.0	936.5	1053.4
142.5°	714.7	692.0	669.3	692.0	714.7	720.3	772.9	843.0	878.0	929.3	1032.1
145°	736.1	716.4	696.6	716.4	736.1	741.0	784.7	843.0	872.0	914.1	998.2
147.5°	762.4	743.1	723.8	743.1	762.4	767.2	802.2	848.7	872.0	905.1	971.2
150°	776.4	759.0	741.6	759.0	776.4	780.7	811.1	851.8	872.0	900.0	955.8
152.5°	786.4	773.2	760.0	773.2	786.4	789.6	817.1	853.7	872.0	895.9	943.6
155°	806.7	797.0	787.2	797.0	806.7	809.2	830.2	858.1	872.0	891.0	928.9
157.5°	826.3	816.9	807.4	816.9	826.3	828.7	843.2	862.4	872.0	886.8	916.3
160°	835.8	828.4	821.1	828.4	835.8	837.6	849.1	864.4	872.0	884.7	910.0
162.5°	845.8	840.2	834.7	840.2	845.8	847.2	855.5	866.5	872.0	882.8	904.1
165°	859.5	854.5	849.5	854.5	859.5	860.8	864.5	869.6	872.0	879.7	895.0
167.5°	867.9	865.5	863.2	865.5	867.9	868.5	871.7	875.9	878.0	882.9	893.0
170°	876.8	874.4	872.0	874.4	876.8	877.4	877.6	877.9	878.0	882.9	893.0
172.5°	877.9	877.3	876.8	877.3	877.9	878.0	878.0	878.0	878.0	881.9	889.8
175°	883.3	883.3	883.3	883.3	883.3	883.3	881.5	879.1	878.0	880.5	885.5
177.5°	883.3	883.3	883.3	883.3	883.3	883.3	881.9	880.1	879.1	881.1	885.1
180°	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3



TEST NUMBER: P934948

CATALOG NUMBER: SQ4-FA-075U-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°	22.6	22.6	22.6	22.6	22.6	22.6	22.6	30.0	40.1	45.0	38.7
92.5°	112.6	108.1	90.3	72.3	90.3	108.1	112.6	159.7	222.4	253.8	222.8
95°	382.4	368.8	314.6	260.3	314.6	368.8	382.4	502.1	661.8	741.6	626.3
97.5°	882.8	856.9	753.6	650.3	753.6	856.9	882.8	958.4	1059.3	1109.8	917.6
100°	1239.6	1208.8	1085.9	962.8	1085.9	1208.8	1239.6	1234.1	1226.7	1223.0	1009.7
102.5°	1544.3	1518.0	1412.6	1307.2	1412.6	1518.0	1544.3	1447.9	1319.3	1255.0	1038.7
105°	1900.0	1885.8	1829.1	1772.5	1829.1	1885.8	1900.0	1683.8	1395.6	1251.5	1042.0
107.5°	2085.0	2088.4	2102.1	2115.8	2102.1	2088.4	2085.0	1783.4	1381.3	1180.3	995.6
110°	2132.4	2147.1	2206.2	2265.2	2206.2	2147.1	2132.4	1795.3	1345.7	1121.0	954.5



TEST NUMBER: P934948

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2102.2	2124.9	2215.4	2306.1	2215.4	2124.9	2102.2	1757.2	1297.2	1067.1	918.6
115°	1999.6	2031.0	2156.7	2282.3	2156.7	2031.0	1999.6	1667.2	1224.0	1002.5	877.4
117.5°	1857.9	1892.7	2032.1	2171.5	2032.1	1892.7	1857.9	1557.9	1157.9	958.0	851.7
120°	1762.5	1796.3	1931.8	2067.2	1931.8	1796.3	1762.5	1488.4	1123.0	940.2	843.0
122.5°	1667.0	1700.4	1834.0	1967.6	1834.0	1700.4	1667.0	1420.2	1091.1	926.6	838.4
125°	1540.7	1571.5	1694.6	1817.6	1694.6	1571.5	1540.7	1331.0	1051.5	911.7	834.7
127.5°	1439.4	1465.3	1569.1	1673.0	1569.1	1465.3	1439.4	1259.3	1019.3	899.3	832.6
130°	1375.4	1399.4	1495.2	1591.1	1495.2	1399.4	1375.4	1215.1	1001.4	894.6	833.9
132.5°	1320.8	1342.3	1428.2	1514.0	1428.2	1342.3	1320.8	1177.4	986.0	890.4	834.7
135°	1243.7	1262.3	1336.3	1410.3	1336.3	1262.3	1243.7	1123.6	963.5	883.3	833.9
137.5°	1186.8	1201.9	1262.6	1323.2	1262.6	1201.9	1186.8	1085.3	949.8	882.1	839.1
140°	1141.2	1155.4	1212.1	1268.7	1212.1	1155.4	1141.2	1053.4	936.5	878.0	839.9
142.5°	1109.2	1121.3	1170.1	1218.9	1170.1	1121.3	1109.2	1032.1	929.3	878.0	843.0
145°	1061.2	1070.4	1107.3	1144.2	1107.3	1070.4	1061.2	998.2	914.1	872.0	843.0
147.5°	1020.8	1028.5	1059.0	1089.6	1059.0	1028.5	1020.8	971.2	905.1	872.0	848.7
150°	997.7	1003.9	1028.7	1053.4	1028.7	1003.9	997.7	955.8	900.0	872.0	851.8
152.5°	979.3	984.0	1002.7	1021.4	1002.7	984.0	979.3	943.6	895.9	872.0	853.7
155°	957.4	960.5	972.9	985.3	972.9	960.5	957.4	928.9	891.0	872.0	858.1
157.5°	938.4	940.6	949.3	958.0	949.3	940.6	938.4	916.3	886.8	872.0	862.4
160°	928.9	930.2	935.3	940.2	935.3	930.2	928.9	910.0	884.7	872.0	864.4
162.5°	920.0	921.2	926.0	930.8	926.0	921.2	920.0	904.1	882.8	872.0	866.5
165°	906.5	907.7	912.7	917.7	912.7	907.7	906.5	895.0	879.7	872.0	869.6
167.5°	900.5	901.0	903.1	905.2	903.1	901.0	900.5	893.0	882.9	878.0	875.9
170°	900.5	900.5	900.5	900.5	900.5	900.5	900.5	893.0	882.9	878.0	877.9
172.5°	895.8	895.3	893.5	891.6	893.5	895.3	895.8	889.8	881.9	878.0	878.0
175°	889.3	889.3	889.3	889.3	889.3	889.3	889.3	885.5	880.5	878.0	879.1
177.5°	888.0	887.5	885.4	883.3	885.4	887.5	888.0	885.1	881.1	879.1	880.1
180°	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3	883.3



TEST NUMBER: P934948

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-6500K

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°	26.1	16.6	15.5	10.7	5.9
92.5°	160.9	114.5	104.4	64.1	23.7
95°	395.8	222.9	204.4	130.7	56.9
97.5°	533.2	244.9	228.6	163.5	98.4
100°	583.2	263.2	248.5	189.4	130.4
102.5°	606.0	281.6	267.8	212.8	157.7
105°	623.1	308.9	297.2	250.6	204.0
107.5°	626.2	349.2	338.3	294.9	251.4
110°	621.4	371.7	361.8	322.6	283.4



TEST NUMBER: P934948

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-6500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	621.6	398.9	389.6	352.2	314.8
115°	627.4	439.8	431.2	396.7	362.2
117.5°	639.1	479.6	471.8	440.4	409.1
120°	648.5	502.7	495.3	465.8	436.3
122.5°	662.2	530.0	522.6	492.8	463.0
125°	680.5	564.9	558.1	531.1	503.9
127.5°	699.0	598.8	591.9	564.5	537.1
130°	712.4	621.2	613.9	584.3	554.9
132.5°	723.3	639.7	632.3	602.8	573.2
135°	735.1	661.0	654.3	627.4	600.5
137.5°	752.9	688.3	681.6	655.0	628.4
140°	763.7	706.6	700.5	676.0	651.5
142.5°	772.9	720.3	714.7	692.0	669.3
145°	784.7	741.0	736.1	716.4	696.6
147.5°	802.2	767.2	762.4	743.1	723.8
150°	811.1	780.7	776.4	759.0	741.6
152.5°	817.1	789.6	786.4	773.2	760.0
155°	830.2	809.2	806.7	797.0	787.2
157.5°	843.2	828.7	826.3	816.9	807.4
160°	849.1	837.6	835.8	828.4	821.1
162.5°	855.5	847.2	845.8	840.2	834.7
165°	864.5	860.8	859.5	854.5	849.5
167.5°	871.7	868.5	867.9	865.5	863.2
170°	877.6	877.4	876.8	874.4	872.0
172.5°	878.0	878.0	877.9	877.3	876.8
175°	881.5	883.3	883.3	883.3	883.3
177.5°	881.9	883.3	883.3	883.3	883.3
180°	883.3	883.3	883.3	883.3	883.3



TEST NUMBER: P934948
 CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-6500K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	15.35	16.32	16.21	17.20	18.31	18.19	19.16	19.05	20.04	21.14
	3H	15.84	16.70	16.71	17.59	18.73	19.54	20.41	20.42	21.30	22.44
	4H	16.03	16.85	16.92	17.75	18.89	20.00	20.81	20.88	21.71	22.86
	6H	16.16	16.91	17.06	17.81	18.97	20.29	21.04	21.19	21.95	23.10
	8H	16.16	16.88	17.07	17.80	18.96	20.37	21.09	21.27	22.01	23.16
	12H	16.14	16.82	17.05	17.73	18.92	20.41	21.09	21.32	22.01	23.19
4H	2H	16.40	17.22	17.29	18.11	19.26	18.61	19.43	19.50	20.33	21.47
	3H	17.44	18.12	18.34	19.05	20.21	20.13	20.81	21.03	21.74	22.90
	4H	17.72	18.34	18.63	19.26	20.45	20.66	21.28	21.58	22.21	23.39
	6H	17.85	18.38	18.78	19.33	20.52	21.04	21.57	21.96	22.52	23.71
	8H	17.85	18.36	18.79	19.30	20.50	21.15	21.65	22.08	22.59	23.79
	12H	17.83	18.28	18.78	19.24	20.44	21.21	21.66	22.16	22.62	23.83
8H	4H	18.18	18.68	19.11	19.62	20.82	20.80	21.30	21.73	22.24	23.44
	6H	18.45	18.86	19.40	19.84	21.04	21.24	21.65	22.20	22.64	23.84
	8H	18.49	18.86	19.46	19.83	21.05	21.39	21.76	22.36	22.73	23.95
	12H	18.48	18.80	19.45	19.77	21.03	21.50	21.82	22.47	22.79	24.05
12H	4H	18.19	18.64	19.14	19.60	20.81	20.76	21.22	21.72	22.18	23.38
	6H	18.51	18.87	19.47	19.85	21.07	21.24	21.60	22.20	22.58	23.79
	8H	18.58	18.90	19.55	19.87	21.13	21.40	21.73	22.37	22.69	23.96