

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: P934567

Luminaire Tested: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

**Test Information**

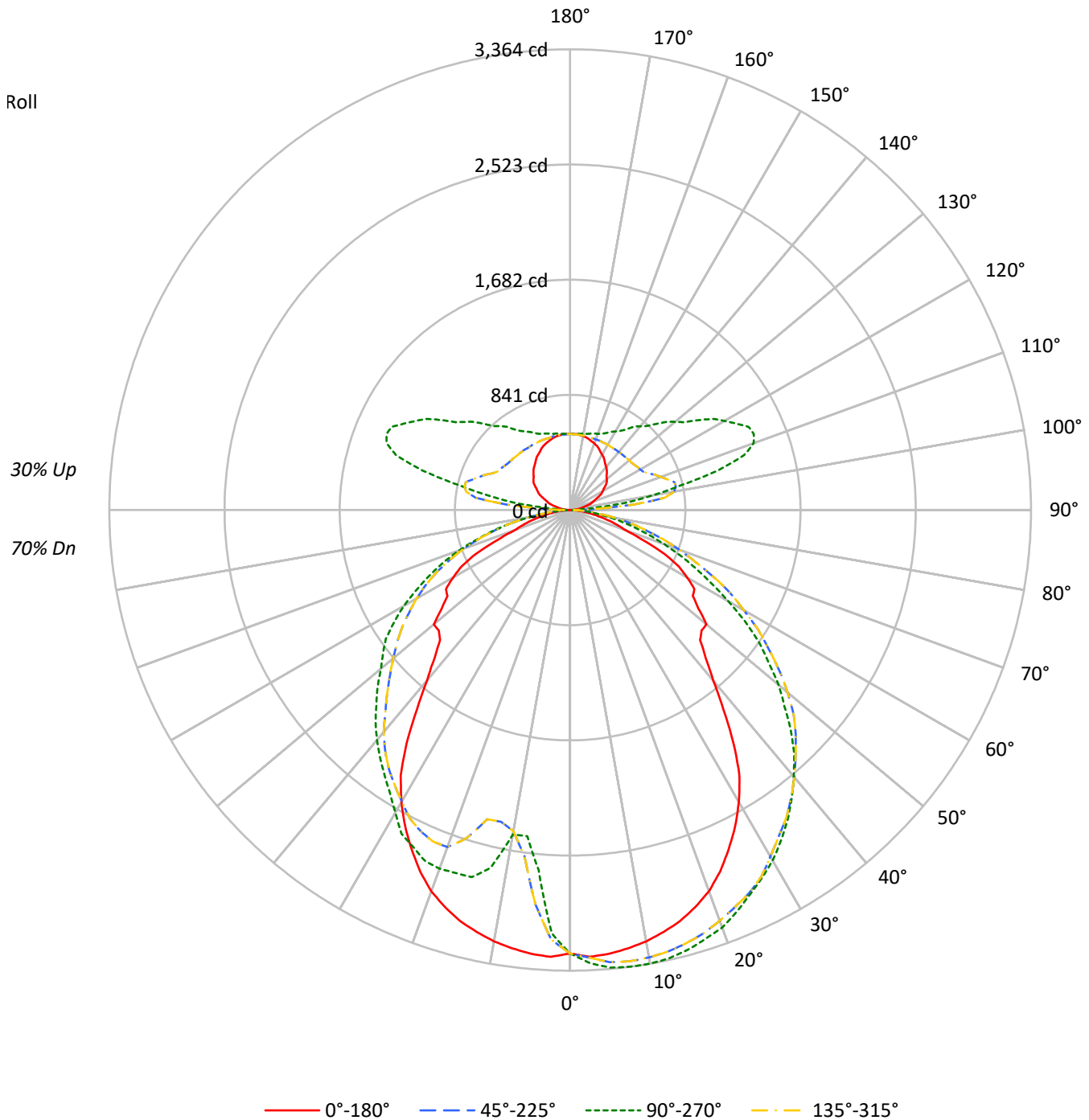
Test Method: LM-79-2019  
Report Number: P934567  
REPORT IS A COMBINATION OF REPORTS P933704 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12001.6 lumens  
Efficiency: N/A  
Efficacy: 107.2 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): 112  
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: P934567  
CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-4000K

### Luminous Intensity Polar Plot





TEST NUMBER: P934567

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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	50	30	10	50	30	10	50	30	10	0					
RCR																																			
0	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	0				
1	102	98	94	90	97	93	89	86	83	80	78	74	72	70	66	65	63	63	63	63	63	63	63	63	63	63	63	63	63	63	59				
2	93	86	79	74	88	81	76	71	73	68	65	65	62	59	58	56	53	53	53	53	53	53	53	53	53	53	53	53	53	53	50				
3	85	75	68	62	80	71	65	59	64	59	54	58	53	50	52	48	45	45	45	45	45	45	45	45	45	45	45	45	45	45	42				
4	78	67	58	52	73	63	56	50	57	51	46	51	47	43	46	42	39	39	39	39	39	39	39	39	39	39	39	39	39	39	36				
5	72	60	51	45	67	57	49	43	51	45	40	46	41	37	41	37	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31				
6	66	53	45	39	62	51	43	38	46	40	35	42	36	32	38	33	30	30	30	30	30	30	30	30	30	30	30	30	30	30	27				
7	61	48	40	34	58	46	39	33	42	36	31	38	33	29	34	30	27	27	27	27	27	27	27	27	27	27	27	27	27	27	24				
8	57	44	36	30	54	42	35	29	38	32	28	35	29	26	31	27	24	24	24	24	24	24	24	24	24	24	24	24	24	24	22				
9	53	40	32	27	50	38	31	26	35	29	25	32	27	23	29	25	21	21	21	21	21	21	21	21	21	21	21	21	21	21	19				
10	49	37	30	25	47	35	28	24	32	26	22	30	25	21	27	23	19	19	19	19	19	19	19	19	19	19	19	19	19	19	18				

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

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

**MAXIMUM LUMINANCE 45°-90°:**

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



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	292.3	2.4
10°-20°	829.9	6.9
20°-30°	1282.8	10.7
30°-40°	1531.4	12.8
40°-50°	1540.4	12.8
50°-60°	1340.3	11.2
60°-70°	950.3	7.9
70°-80°	502.8	4.2
80°-90°	127.3	1.1
90°-100°	271.0	2.3
100°-110°	712.5	5.9
110°-120°	738.8	6.2
120°-130°	592.6	4.9
130°-140°	465.0	3.9
140°-150°	356.9	3.0
150°-160°	257.0	2.1
160°-170°	157.3	1.3
170°-180°	53.1	0.4
0°-30°	2405.0	20.0
0°-40°	3936.4	32.8
0°-60°	6817.1	56.8
0°-90°	8397.5	70.0
90°-120°	1722.2	14.4
90°-150°	3136.7	26.1
90°-180°	3604.0	30.0
0°-180°	12001.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3238	3238	3238	3238	3238	
5°	3253	3354	3253	2638	3253	309
15°	3106	3324	3106	2775	3106	874
25°	2736	3100	2736	2714	2736	1256
35°	2080	2766	2080	2362	2080	1287
45°	1342	2279	1342	2000	1342	1075
55°	1094	1682	1094	1642	1094	1005
65°	760	1014	760	1133	760	726
75°	288	481	288	576	288	303
85°	49	123	49	104	49	66
90°	4	14	4	14	4	5
95°	36	164	36	164	36	40
105°	128	1116	128	1116	128	136
115°	228	1436	228	1436	228	225
125°	317	1144	317	1144	317	282
135°	378	888	378	888	378	292
145°	438	720	438	720	438	275
155°	496	620	496	620	496	228
165°	535	578	535	578	535	151
175°	556	560	556	560	556	53
180°	556	556	556	556	556	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9
2.5°	3265.5	3265.5	3283.8	3290.0	3290.0	3280.8	3271.6	3280.8	3308.4	3317.6	3314.5
5°	3253.2	3277.8	3311.4	3317.6	3323.7	3320.7	3314.5	3320.7	3351.3	3357.4	3360.5
7.5°	3228.7	3274.7	3317.6	3326.7	3336.0	3326.7	3323.7	3329.8	3360.5	3366.6	3366.6
10°	3198.1	3262.5	3311.4	3317.6	3326.7	3317.6	3317.6	3329.8	3360.5	3366.6	3369.6
12.5°	3155.2	3244.0	3290.0	3296.1	3308.4	3305.3	3302.3	3314.5	3345.1	3351.3	3351.3
15°	3106.2	3210.3	3253.2	3259.4	3280.8	3274.7	3274.7	3286.9	3320.7	3329.8	3326.7
17.5°	3038.8	3167.4	3216.5	3225.6	3241.0	3237.9	3241.0	3253.2	3283.8	3290.0	3293.1
20°	2962.2	3109.2	3167.4	3176.7	3192.0	3192.0	3192.0	3207.3	3237.9	3250.2	3250.2
22.5°	2858.0	3048.0	3109.2	3115.4	3133.8	3133.8	3139.9	3161.4	3188.9	3192.0	3192.0
25°	2735.6	2980.6	3032.7	3051.0	3069.4	3078.6	3087.9	3100.1	3109.2	3106.2	3109.2
27.5°	2606.9	2894.8	2962.2	2974.4	2999.0	3008.2	3020.4	3023.5	3026.6	3035.7	3029.6
30°	2462.9	2775.4	2876.4	2888.7	2928.6	2934.6	2922.4	2928.6	2943.9	2950.0	2956.1
32.5°	2300.6	2597.7	2787.6	2815.2	2852.0	2833.6	2830.5	2839.7	2864.2	2864.2	2870.4
35°	2080.0	2459.9	2704.9	2729.4	2756.9	2735.6	2747.8	2750.9	2766.2	2775.4	2772.3
37.5°	1838.0	2340.4	2619.2	2637.5	2659.0	2631.4	2649.8	2659.0	2671.2	2665.1	2665.1
40°	1623.6	2153.5	2518.1	2530.3	2548.7	2527.2	2545.6	2551.7	2557.9	2551.7	2548.7
42.5°	1464.3	1948.3	2410.8	2426.1	2413.9	2429.2	2435.3	2447.6	2438.4	2426.1	2426.1
45°	1341.7	1893.1	2294.4	2312.8	2294.4	2318.9	2328.2	2328.2	2300.6	2294.4	2291.3
47.5°	1301.9	1782.8	2178.0	2178.0	2168.9	2199.5	2214.7	2193.3	2165.8	2156.5	2156.5
50°	1298.8	1660.3	2018.7	2006.5	2049.4	2086.1	2070.8	2049.4	2027.9	1994.3	1994.3
52.5°	1179.3	1510.2	1813.5	1859.5	1926.8	1948.3	1923.7	1902.3	1865.5	1850.2	1838.0
55°	1093.6	1354.0	1626.7	1718.5	1789.0	1816.6	1770.6	1749.1	1694.0	1684.9	1678.7
57.5°	1075.2	1127.3	1455.0	1571.5	1657.3	1654.2	1626.7	1586.8	1540.9	1531.6	1528.6
60°	986.4	814.8	1271.3	1409.2	1498.0	1488.8	1464.3	1427.5	1384.6	1378.5	1372.4
62.5°	894.5	591.3	1062.9	1219.2	1344.8	1341.7	1320.3	1265.1	1234.5	1219.2	1206.9
65°	759.7	496.3	756.6	1014.0	1194.7	1200.8	1154.9	1115.1	1081.3	1062.9	1059.9
67.5°	578.9	404.3	511.6	845.5	1050.7	1044.6	986.4	968.0	925.2	915.9	897.6
70°	428.9	269.6	355.4	686.2	909.8	894.5	848.5	827.1	787.3	765.9	753.5
72.5°	355.4	217.5	260.4	533.0	765.9	747.5	707.7	683.1	649.5	631.1	618.8
75°	287.9	229.7	199.1	395.2	621.8	609.6	572.9	548.3	520.7	496.3	499.3
77.5°	211.4	214.4	159.3	291.0	493.2	474.8	453.4	422.7	410.5	386.0	386.0
80°	159.3	168.5	119.5	199.1	355.4	355.4	337.0	315.5	294.1	281.9	281.9
82.5°	107.2	107.2	88.8	125.6	242.0	232.8	220.6	214.4	202.2	196.1	196.1
85°	49.0	61.3	55.1	76.6	131.7	137.9	137.9	131.7	128.6	122.6	125.6
87.5°	15.3	27.6	33.7	42.9	67.4	70.4	73.5	73.5	73.5	76.6	76.6
90°	3.7	6.7	9.7	10.4	16.4	24.3	28.3	25.2	18.9	14.2	14.2
92.5°	14.9	40.3	65.7	72.1	101.3	140.2	159.7	139.9	100.5	70.9	68.1
95°	35.8	82.3	128.7	140.3	249.1	394.2	466.8	416.6	316.1	240.7	232.2
97.5°	61.9	102.8	143.8	154.1	335.5	577.5	698.5	666.7	603.2	555.6	539.3
100°	82.1	119.2	156.3	165.6	367.0	635.5	769.7	772.1	776.7	780.2	760.8
102.5°	99.3	134.0	168.5	177.2	381.4	653.8	789.9	830.4	911.3	972.0	955.4
105°	128.4	157.7	187.1	194.4	392.2	655.9	787.7	878.4	1059.9	1195.9	1186.9
107.5°	158.2	185.6	212.9	219.8	394.1	626.6	742.9	869.4	1122.5	1312.3	1314.5
110°	178.3	203.0	227.8	234.0	391.2	600.8	705.6	847.0	1129.9	1342.1	1351.4



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	198.1	221.7	245.2	251.1	391.3	578.2	671.6	816.4	1105.9	1323.1	1337.4
115°	228.0	249.7	271.5	276.9	394.9	552.3	631.0	770.5	1049.4	1258.5	1278.3
117.5°	257.4	277.2	296.9	301.9	402.3	536.0	602.9	728.8	980.6	1169.4	1191.3
120°	274.6	293.2	311.8	316.4	408.2	530.6	591.8	706.7	936.8	1109.3	1130.5
122.5°	291.4	310.1	328.8	333.6	416.7	527.7	583.2	686.7	893.9	1049.3	1070.3
125°	317.2	334.2	351.3	355.5	428.3	525.4	573.9	661.9	837.8	969.8	989.2
127.5°	338.1	355.3	372.5	376.8	439.9	524.0	566.0	641.6	792.6	906.0	922.3
130°	349.2	367.8	386.4	391.0	448.3	524.8	563.0	630.3	764.8	865.6	880.7
132.5°	360.8	379.4	398.0	402.6	455.2	525.4	560.5	620.7	741.1	831.3	844.8
135°	378.0	394.9	411.8	416.0	462.6	524.8	555.9	606.4	707.2	782.8	794.5
137.5°	395.6	412.3	429.0	433.2	473.9	528.1	555.2	597.9	683.1	747.0	756.5
140°	410.0	425.5	440.9	444.8	480.7	528.6	552.6	589.4	663.0	718.2	727.1
142.5°	421.3	435.5	449.8	453.3	486.4	530.5	552.6	584.9	649.6	698.2	705.8
145°	438.5	450.9	463.4	466.4	493.9	530.6	548.9	575.3	628.3	667.9	673.7
147.5°	455.6	467.7	479.8	482.8	504.8	534.2	548.9	569.7	611.3	642.5	647.3
150°	466.8	477.7	488.7	491.4	510.6	536.1	548.9	566.4	601.7	628.0	631.9
152.5°	478.4	486.7	494.9	497.0	514.3	537.4	548.9	563.9	593.9	616.4	619.4
155°	495.5	501.6	507.8	509.3	522.5	540.1	548.9	560.8	584.6	602.6	604.6
157.5°	508.2	514.1	520.1	521.6	530.7	542.8	548.9	558.1	576.7	590.6	592.0
160°	516.8	521.5	526.1	527.3	534.5	544.1	548.9	556.9	572.7	584.6	585.5
162.5°	525.4	528.9	532.3	533.2	538.5	545.5	548.9	555.6	569.1	579.1	579.8
165°	534.7	537.8	540.9	541.7	544.1	547.3	548.9	553.7	563.3	570.5	571.3
167.5°	543.3	544.7	546.3	546.6	548.6	551.2	552.6	555.8	562.1	566.8	567.2
170°	548.9	550.3	551.9	552.2	552.3	552.5	552.6	555.8	562.1	566.8	566.8
172.5°	551.9	552.2	552.5	552.6	552.6	552.6	552.6	555.1	560.1	563.8	563.6
175°	555.9	555.9	555.9	555.9	554.9	553.3	552.6	554.1	557.3	559.7	559.7
177.5°	555.9	555.9	555.9	555.9	555.0	553.9	553.3	554.6	557.0	558.9	558.6
180°	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9
2.5°	3320.7	3311.4	3320.7	3314.5	3317.6	3308.4	3280.8	3271.6	3280.8	3290.0	3290.0
5°	3360.5	3354.3	3360.5	3360.5	3357.4	3351.3	3320.7	3314.5	3320.7	3323.7	3317.6
7.5°	3372.7	3363.5	3372.7	3366.6	3366.6	3360.5	3329.8	3323.7	3326.7	3336.0	3326.7
10°	3372.7	3363.5	3372.7	3369.6	3366.6	3360.5	3329.8	3317.6	3317.6	3326.7	3317.6
12.5°	3357.4	3351.3	3357.4	3351.3	3351.3	3345.1	3314.5	3302.3	3305.3	3308.4	3296.1
15°	3332.9	3323.7	3332.9	3326.7	3329.8	3320.7	3286.9	3274.7	3274.7	3280.8	3259.4
17.5°	3296.1	3283.8	3296.1	3293.1	3290.0	3283.8	3253.2	3241.0	3237.9	3241.0	3225.6
20°	3253.2	3244.0	3253.2	3250.2	3250.2	3237.9	3207.3	3192.0	3192.0	3192.0	3176.7
22.5°	3185.8	3176.7	3185.8	3192.0	3192.0	3188.9	3161.4	3139.9	3133.8	3133.8	3115.4
25°	3109.2	3100.1	3109.2	3109.2	3106.2	3109.2	3100.1	3087.9	3078.6	3069.4	3051.0
27.5°	3035.7	3029.6	3035.7	3029.6	3035.7	3026.6	3023.5	3020.4	3008.2	2999.0	2974.4
30°	2962.2	2956.1	2962.2	2956.1	2950.0	2943.9	2928.6	2922.4	2934.6	2928.6	2888.7
32.5°	2870.4	2864.2	2870.4	2870.4	2864.2	2864.2	2839.7	2830.5	2833.6	2852.0	2815.2
35°	2775.4	2766.2	2775.4	2772.3	2775.4	2766.2	2750.9	2747.8	2735.6	2756.9	2729.4
37.5°	2665.1	2655.9	2665.1	2665.1	2665.1	2671.2	2659.0	2649.8	2631.4	2659.0	2637.5
40°	2551.7	2539.5	2551.7	2548.7	2551.7	2557.9	2551.7	2545.6	2527.2	2548.7	2530.3
42.5°	2423.1	2420.0	2423.1	2426.1	2426.1	2438.4	2447.6	2435.3	2429.2	2413.9	2426.1
45°	2285.3	2279.1	2285.3	2291.3	2294.4	2300.6	2328.2	2328.2	2318.9	2294.4	2312.8
47.5°	2138.2	2122.9	2138.2	2156.5	2156.5	2165.8	2193.3	2214.7	2199.5	2168.9	2178.0
50°	1981.9	1985.0	1981.9	1994.3	1994.3	2027.9	2049.4	2070.8	2086.1	2049.4	2006.5
52.5°	1828.8	1825.7	1828.8	1838.0	1850.2	1865.5	1902.3	1923.7	1948.3	1926.8	1859.5
55°	1675.6	1681.8	1675.6	1678.7	1684.9	1694.0	1749.1	1770.6	1816.6	1789.0	1718.5
57.5°	1522.5	1513.2	1522.5	1528.6	1531.6	1540.9	1586.8	1626.7	1654.2	1657.3	1571.5
60°	1344.8	1332.6	1344.8	1372.4	1378.5	1384.6	1427.5	1464.3	1488.8	1498.0	1409.2
62.5°	1188.6	1167.1	1188.6	1206.9	1219.2	1234.5	1265.1	1320.3	1341.7	1344.8	1219.2
65°	1023.1	1014.0	1023.1	1059.9	1062.9	1081.3	1115.1	1154.9	1200.8	1194.7	1014.0
67.5°	873.0	873.0	873.0	897.6	915.9	925.2	968.0	986.4	1044.6	1050.7	845.5
70°	735.2	732.1	735.2	753.5	765.9	787.3	827.1	848.5	894.5	909.8	686.2
72.5°	603.5	600.4	603.5	618.8	631.1	649.5	683.1	707.7	747.5	765.9	533.0
75°	487.1	480.9	487.1	499.3	496.3	520.7	548.3	572.9	609.6	621.8	395.2
77.5°	373.7	373.7	373.7	386.0	386.0	410.5	422.7	453.4	474.8	493.2	291.0
80°	278.8	275.7	278.8	281.9	281.9	294.1	315.5	337.0	355.4	355.4	199.1
82.5°	196.1	189.9	196.1	196.1	196.1	202.2	214.4	220.6	232.8	242.0	125.6
85°	122.6	122.6	122.6	125.6	122.6	128.6	131.7	137.9	137.9	131.7	76.6
87.5°	79.7	76.6	79.7	76.6	76.6	73.5	73.5	73.5	70.4	67.4	42.9
90°	14.2	14.2	14.2	14.2	14.2	18.9	25.2	28.3	24.3	16.4	10.4
92.5°	56.8	45.5	56.8	68.1	70.9	100.5	139.9	159.7	140.2	101.3	72.1
95°	198.0	163.8	198.0	232.2	240.7	316.1	416.6	466.8	394.2	249.1	140.3
97.5°	474.3	409.3	474.3	539.3	555.6	603.2	666.7	698.5	577.5	335.5	154.1
100°	683.4	605.9	683.4	760.8	780.2	776.7	772.1	769.7	635.5	367.0	165.6
102.5°	889.0	822.7	889.0	955.4	972.0	911.3	830.4	789.9	653.8	381.4	177.2
105°	1151.3	1115.6	1151.3	1186.9	1195.9	1059.9	878.4	787.7	655.9	392.2	194.4
107.5°	1323.1	1331.7	1323.1	1314.5	1312.3	1122.5	869.4	742.9	626.6	394.1	219.8
110°	1388.5	1425.7	1388.5	1351.4	1342.1	1129.9	847.0	705.6	600.8	391.2	234.0





TEST NUMBER: P934567

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1394.4	1451.4	1394.4	1337.4	1323.1	1105.9	816.4	671.6	578.2	391.3	251.1
115°	1357.4	1436.5	1357.4	1278.3	1258.5	1049.4	770.5	631.0	552.3	394.9	276.9
117.5°	1279.1	1366.8	1279.1	1191.3	1169.4	980.6	728.8	602.9	536.0	402.3	301.9
120°	1215.8	1301.1	1215.8	1130.5	1109.3	936.8	706.7	591.8	530.6	408.2	316.4
122.5°	1154.4	1238.4	1154.4	1070.3	1049.3	893.9	686.7	583.2	527.7	416.7	333.6
125°	1066.6	1144.0	1066.6	989.2	969.8	837.8	661.9	573.9	525.4	428.3	355.5
127.5°	987.6	1053.0	987.6	922.3	906.0	792.6	641.6	566.0	524.0	439.9	376.8
130°	941.1	1001.5	941.1	880.7	865.6	764.8	630.3	563.0	524.8	448.3	391.0
132.5°	898.9	953.0	898.9	844.8	831.3	741.1	620.7	560.5	525.4	455.2	402.6
135°	841.1	887.7	841.1	794.5	782.8	707.2	606.4	555.9	524.8	462.6	416.0
137.5°	794.7	832.8	794.7	756.5	747.0	683.1	597.9	555.2	528.1	473.9	433.2
140°	762.8	798.4	762.8	727.1	718.2	663.0	589.4	552.6	528.6	480.7	444.8
142.5°	736.4	767.1	736.4	705.8	698.2	649.6	584.9	552.6	530.5	486.4	453.3
145°	697.0	720.1	697.0	673.7	667.9	628.3	575.3	548.9	530.6	493.9	466.4
147.5°	666.6	685.8	666.6	647.3	642.5	611.3	569.7	548.9	534.2	504.8	482.8
150°	647.5	663.0	647.5	631.9	628.0	601.7	566.4	548.9	536.1	510.6	491.4
152.5°	631.2	642.9	631.2	619.4	616.4	593.9	563.9	548.9	537.4	514.3	497.0
155°	612.3	620.1	612.3	604.6	602.6	584.6	560.8	548.9	540.1	522.5	509.3
157.5°	597.5	602.9	597.5	592.0	590.6	576.7	558.1	548.9	542.8	530.7	521.6
160°	588.6	591.8	588.6	585.5	584.6	572.7	556.9	548.9	544.1	534.5	527.3
162.5°	582.8	585.8	582.8	579.8	579.1	569.1	555.6	548.9	545.5	538.5	533.2
165°	574.4	577.6	574.4	571.3	570.5	563.3	553.7	548.9	547.3	544.1	541.7
167.5°	568.4	569.8	568.4	567.2	566.8	562.1	555.8	552.6	551.2	548.6	546.6
170°	566.8	566.8	566.8	566.8	566.8	562.1	555.8	552.6	552.5	552.3	552.2
172.5°	562.4	561.2	562.4	563.6	563.8	560.1	555.1	552.6	552.6	552.6	552.6
175°	559.7	559.7	559.7	559.7	559.7	557.3	554.1	552.6	553.3	554.9	555.9
177.5°	557.3	555.9	557.3	558.6	558.9	557.0	554.6	553.3	553.9	555.0	555.9
180°	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9



TEST NUMBER: P934567

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9
2.5°	3283.8	3265.5	3265.5	3234.9	3222.6	3213.4	3198.1	3152.1	3139.9	3127.6	3146.1
5°	3311.4	3277.8	3253.2	3198.1	3152.1	3133.8	3075.6	2965.3	2891.8	2836.6	2806.0
7.5°	3317.6	3274.7	3228.7	3143.0	3032.7	2983.7	2806.0	2603.8	2548.7	2499.7	2469.0
10°	3311.4	3262.5	3198.1	3069.4	2809.1	2723.3	2545.6	2413.9	2380.2	2371.0	2380.2
12.5°	3290.0	3244.0	3155.2	2940.8	2576.3	2518.1	2413.9	2337.3	2331.2	2346.5	2429.2
15°	3253.2	3210.3	3106.2	2769.2	2447.6	2404.7	2331.2	2303.6	2337.3	2444.6	2692.7
17.5°	3216.5	3167.4	3038.8	2600.8	2349.5	2318.9	2266.9	2322.0	2511.9	2655.9	2738.6
20°	3167.4	3109.2	2962.2	2478.2	2279.1	2251.5	2227.1	2475.2	2619.2	2671.2	2717.2
22.5°	3109.2	3048.0	2858.0	2392.4	2205.6	2184.2	2199.5	2561.0	2619.2	2655.9	2695.8
25°	3032.7	2980.6	2735.6	2325.1	2147.4	2122.9	2181.1	2551.7	2585.4	2594.6	2674.3
27.5°	2962.2	2894.8	2606.9	2263.8	2076.9	2067.7	2196.4	2511.9	2536.4	2545.6	2631.4
30°	2876.4	2775.4	2462.9	2199.5	2003.4	2000.3	2199.5	2462.9	2456.8	2481.3	2567.0
32.5°	2787.6	2597.7	2300.6	2119.8	1933.0	1929.9	2178.0	2389.4	2383.3	2417.0	2481.3
35°	2704.9	2459.9	2080.0	2027.9	1844.1	1847.2	2126.0	2303.6	2306.7	2337.3	2377.1
37.5°	2619.2	2340.4	1838.0	1926.8	1758.4	1758.4	2055.4	2224.0	2217.8	2227.1	2282.2
40°	2518.1	2153.5	1623.6	1795.1	1678.7	1669.5	1969.7	2138.2	2116.7	2113.7	2190.3
42.5°	2410.8	1948.3	1464.3	1620.5	1586.8	1574.5	1865.5	2034.1	1994.3	2003.4	2101.4
45°	2294.4	1893.1	1341.7	1369.3	1491.8	1482.7	1752.2	1914.6	1887.0	1911.5	2012.6
47.5°	2178.0	1782.8	1301.9	1136.5	1390.8	1387.7	1626.7	1798.2	1782.8	1807.3	1914.6
50°	2018.7	1660.3	1298.8	974.1	1277.4	1289.7	1476.5	1684.9	1684.9	1706.2	1819.6
52.5°	1813.5	1510.2	1179.3	882.3	1145.7	1182.4	1344.8	1586.8	1592.9	1614.4	1715.5
55°	1626.7	1354.0	1093.6	811.7	989.4	1069.1	1216.2	1485.7	1498.0	1519.4	1611.3
57.5°	1455.0	1127.3	1075.2	729.1	845.5	922.1	1102.8	1387.7	1393.8	1412.2	1501.0
60°	1271.3	814.8	986.4	640.2	719.9	778.1	998.7	1271.3	1292.8	1305.0	1381.5
62.5°	1062.9	591.3	894.5	578.9	658.6	670.9	912.9	1161.0	1188.6	1197.8	1243.7
65°	756.6	496.3	759.7	526.9	594.2	597.3	821.0	1047.6	1072.2	1087.5	1121.1
67.5°	511.6	404.3	578.9	477.8	545.3	548.3	732.1	915.9	949.6	961.9	983.4
70°	355.4	269.6	428.9	425.8	490.1	496.3	637.1	796.5	827.1	836.3	848.5
72.5°	260.4	217.5	355.4	382.9	431.9	438.1	539.1	661.7	692.3	701.5	707.7
75°	199.1	229.7	287.9	333.9	367.6	370.7	441.1	539.1	560.6	566.7	569.8
77.5°	159.3	214.4	211.4	269.6	300.2	294.1	346.1	416.6	435.0	435.0	435.0
80°	119.5	168.5	159.3	193.0	220.6	214.4	248.1	297.2	303.2	309.4	306.3
82.5°	88.8	107.2	107.2	122.6	147.0	140.9	165.5	193.0	193.0	193.0	199.1
85°	55.1	61.3	49.0	64.4	82.7	79.7	91.9	104.2	107.2	107.2	101.1
87.5°	33.7	27.6	15.3	24.5	36.7	36.7	42.9	46.0	42.9	42.9	42.9
90°	9.7	6.7	3.7	6.7	9.7	10.4	16.4	24.3	28.3	25.2	18.9
92.5°	65.7	40.3	14.9	40.3	65.7	72.1	101.3	140.2	159.7	139.9	100.5
95°	128.7	82.3	35.8	82.3	128.7	140.3	249.1	394.2	466.8	416.6	316.1
97.5°	143.8	102.8	61.9	102.8	143.8	154.1	335.5	577.5	698.5	666.7	603.2
100°	156.3	119.2	82.1	119.2	156.3	165.6	367.0	635.5	769.7	772.1	776.7
102.5°	168.5	134.0	99.3	134.0	168.5	177.2	381.4	653.8	789.9	830.4	911.3
105°	187.1	157.7	128.4	157.7	187.1	194.4	392.2	655.9	787.7	878.4	1059.9
107.5°	212.9	185.6	158.2	185.6	212.9	219.8	394.1	626.6	742.9	869.4	1122.5
110°	227.8	203.0	178.3	203.0	227.8	234.0	391.2	600.8	705.6	847.0	1129.9



TEST NUMBER: P934567

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	245.2	221.7	198.1	221.7	245.2	251.1	391.3	578.2	671.6	816.4	1105.9
115°	271.5	249.7	228.0	249.7	271.5	276.9	394.9	552.3	631.0	770.5	1049.4
117.5°	296.9	277.2	257.4	277.2	296.9	301.9	402.3	536.0	602.9	728.8	980.6
120°	311.8	293.2	274.6	293.2	311.8	316.4	408.2	530.6	591.8	706.7	936.8
122.5°	328.8	310.1	291.4	310.1	328.8	333.6	416.7	527.7	583.2	686.7	893.9
125°	351.3	334.2	317.2	334.2	351.3	355.5	428.3	525.4	573.9	661.9	837.8
127.5°	372.5	355.3	338.1	355.3	372.5	376.8	439.9	524.0	566.0	641.6	792.6
130°	386.4	367.8	349.2	367.8	386.4	391.0	448.3	524.8	563.0	630.3	764.8
132.5°	398.0	379.4	360.8	379.4	398.0	402.6	455.2	525.4	560.5	620.7	741.1
135°	411.8	394.9	378.0	394.9	411.8	416.0	462.6	524.8	555.9	606.4	707.2
137.5°	429.0	412.3	395.6	412.3	429.0	433.2	473.9	528.1	555.2	597.9	683.1
140°	440.9	425.5	410.0	425.5	440.9	444.8	480.7	528.6	552.6	589.4	663.0
142.5°	449.8	435.5	421.3	435.5	449.8	453.3	486.4	530.5	552.6	584.9	649.6
145°	463.4	450.9	438.5	450.9	463.4	466.4	493.9	530.6	548.9	575.3	628.3
147.5°	479.8	467.7	455.6	467.7	479.8	482.8	504.8	534.2	548.9	569.7	611.3
150°	488.7	477.7	466.8	477.7	488.7	491.4	510.6	536.1	548.9	566.4	601.7
152.5°	494.9	486.7	478.4	486.7	494.9	497.0	514.3	537.4	548.9	563.9	593.9
155°	507.8	501.6	495.5	501.6	507.8	509.3	522.5	540.1	548.9	560.8	584.6
157.5°	520.1	514.1	508.2	514.1	520.1	521.6	530.7	542.8	548.9	558.1	576.7
160°	526.1	521.5	516.8	521.5	526.1	527.3	534.5	544.1	548.9	556.9	572.7
162.5°	532.3	528.9	525.4	528.9	532.3	533.2	538.5	545.5	548.9	555.6	569.1
165°	540.9	537.8	534.7	537.8	540.9	541.7	544.1	547.3	548.9	553.7	563.3
167.5°	546.3	544.7	543.3	544.7	546.3	546.6	548.6	551.2	552.6	555.8	562.1
170°	551.9	550.3	548.9	550.3	551.9	552.2	552.3	552.5	552.6	555.8	562.1
172.5°	552.5	552.2	551.9	552.2	552.5	552.6	552.6	552.6	552.6	555.1	560.1
175°	555.9	555.9	555.9	555.9	555.9	555.9	554.9	553.3	552.6	554.1	557.3
177.5°	555.9	555.9	555.9	555.9	555.9	555.9	555.0	553.9	553.3	554.6	557.0
180°	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9



TEST NUMBER: P934567

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9	3237.9
2.5°	3124.6	3115.4	3127.6	3093.9	3127.6	3115.4	3124.6	3146.1	3127.6	3139.9	3152.1
5°	2741.6	2726.3	2677.4	2637.5	2677.4	2726.3	2741.6	2806.0	2836.6	2891.8	2965.3
7.5°	2450.6	2438.4	2426.1	2401.7	2426.1	2438.4	2450.6	2469.0	2499.7	2548.7	2603.8
10°	2386.4	2389.4	2407.7	2404.7	2407.7	2389.4	2386.4	2380.2	2371.0	2380.2	2413.9
12.5°	2551.7	2579.3	2680.4	2674.3	2680.4	2579.3	2551.7	2429.2	2346.5	2331.2	2337.3
15°	2741.6	2750.9	2772.3	2775.4	2772.3	2750.9	2741.6	2692.7	2444.6	2337.3	2303.6
17.5°	2760.0	2763.1	2778.4	2778.4	2778.4	2763.1	2760.0	2738.6	2655.9	2511.9	2322.0
20°	2744.7	2750.9	2781.5	2787.6	2781.5	2750.9	2744.7	2717.2	2671.2	2619.2	2475.2
22.5°	2738.6	2750.9	2775.4	2772.3	2775.4	2750.9	2738.6	2695.8	2655.9	2619.2	2561.0
25°	2708.0	2708.0	2711.0	2714.1	2711.0	2708.0	2708.0	2674.3	2594.6	2585.4	2551.7
27.5°	2643.6	2649.8	2668.1	2665.1	2668.1	2649.8	2643.6	2631.4	2545.6	2536.4	2511.9
30°	2585.4	2579.3	2564.0	2551.7	2564.0	2579.3	2585.4	2567.0	2481.3	2456.8	2462.9
32.5°	2487.4	2472.1	2456.8	2447.6	2456.8	2472.1	2487.4	2481.3	2417.0	2383.3	2389.4
35°	2371.0	2374.1	2371.0	2361.8	2371.0	2374.1	2371.0	2377.1	2337.3	2306.7	2303.6
37.5°	2288.3	2294.4	2291.3	2279.1	2291.3	2294.4	2288.3	2282.2	2227.1	2217.8	2224.0
40°	2202.5	2205.6	2202.5	2193.3	2202.5	2205.6	2202.5	2190.3	2113.7	2116.7	2138.2
42.5°	2119.8	2116.7	2107.6	2101.4	2107.6	2116.7	2119.8	2101.4	2003.4	1994.3	2034.1
45°	2024.8	2027.9	2009.5	2000.3	2009.5	2027.9	2024.8	2012.6	1911.5	1887.0	1914.6
47.5°	1929.9	1929.9	1914.6	1905.4	1914.6	1929.9	1929.9	1914.6	1807.3	1782.8	1798.2
50°	1828.8	1825.7	1804.3	1801.3	1804.3	1825.7	1828.8	1819.6	1706.2	1684.9	1684.9
52.5°	1712.4	1712.4	1715.5	1721.6	1715.5	1712.4	1712.4	1715.5	1614.4	1592.9	1586.8
55°	1611.3	1614.4	1635.8	1642.0	1635.8	1614.4	1611.3	1611.3	1519.4	1498.0	1485.7
57.5°	1507.2	1507.2	1522.5	1522.5	1522.5	1507.2	1507.2	1501.0	1412.2	1393.8	1387.7
60°	1387.7	1393.8	1406.1	1403.0	1406.1	1393.8	1387.7	1381.5	1305.0	1292.8	1271.3
62.5°	1262.1	1268.2	1271.3	1265.1	1271.3	1268.2	1262.1	1243.7	1197.8	1188.6	1161.0
65°	1130.4	1136.5	1139.6	1133.4	1139.6	1136.5	1130.4	1121.1	1087.5	1072.2	1047.6
67.5°	995.6	992.5	989.4	1001.7	989.4	992.5	995.6	983.4	961.9	949.6	915.9
70°	857.7	857.7	854.7	860.8	854.7	857.7	857.7	848.5	836.3	827.1	796.5
72.5°	710.7	707.7	719.9	710.7	719.9	707.7	710.7	707.7	701.5	692.3	661.7
75°	566.7	572.9	566.7	575.9	566.7	572.9	566.7	569.8	566.7	560.6	539.1
77.5°	431.9	438.1	431.9	431.9	431.9	438.1	431.9	435.0	435.0	435.0	416.6
80°	306.3	303.2	303.2	300.2	303.2	303.2	306.3	306.3	309.4	303.2	297.2
82.5°	196.1	193.0	193.0	199.1	193.0	193.0	196.1	199.1	193.0	193.0	193.0
85°	107.2	110.2	104.2	104.2	104.2	110.2	107.2	101.1	107.2	107.2	104.2
87.5°	39.8	36.7	36.7	36.7	36.7	36.7	39.8	42.9	42.9	42.9	46.0
90°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	18.9	25.2	28.3	24.3
92.5°	70.9	68.1	56.8	45.5	56.8	68.1	70.9	100.5	139.9	159.7	140.2
95°	240.7	232.2	198.0	163.8	198.0	232.2	240.7	316.1	416.6	466.8	394.2
97.5°	555.6	539.3	474.3	409.3	474.3	539.3	555.6	603.2	666.7	698.5	577.5
100°	780.2	760.8	683.4	605.9	683.4	760.8	780.2	776.7	772.1	769.7	635.5
102.5°	972.0	955.4	889.0	822.7	889.0	955.4	972.0	911.3	830.4	789.9	653.8
105°	1195.9	1186.9	1151.3	1115.6	1151.3	1186.9	1195.9	1059.9	878.4	787.7	655.9
107.5°	1312.3	1314.5	1323.1	1331.7	1323.1	1314.5	1312.3	1122.5	869.4	742.9	626.6
110°	1342.1	1351.4	1388.5	1425.7	1388.5	1351.4	1342.1	1129.9	847.0	705.6	600.8



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1323.1	1337.4	1394.4	1451.4	1394.4	1337.4	1323.1	1105.9	816.4	671.6	578.2
115°	1258.5	1278.3	1357.4	1436.5	1357.4	1278.3	1258.5	1049.4	770.5	631.0	552.3
117.5°	1169.4	1191.3	1279.1	1366.8	1279.1	1191.3	1169.4	980.6	728.8	602.9	536.0
120°	1109.3	1130.5	1215.8	1301.1	1215.8	1130.5	1109.3	936.8	706.7	591.8	530.6
122.5°	1049.3	1070.3	1154.4	1238.4	1154.4	1070.3	1049.3	893.9	686.7	583.2	527.7
125°	969.8	989.2	1066.6	1144.0	1066.6	989.2	969.8	837.8	661.9	573.9	525.4
127.5°	906.0	922.3	987.6	1053.0	987.6	922.3	906.0	792.6	641.6	566.0	524.0
130°	865.6	880.7	941.1	1001.5	941.1	880.7	865.6	764.8	630.3	563.0	524.8
132.5°	831.3	844.8	898.9	953.0	898.9	844.8	831.3	741.1	620.7	560.5	525.4
135°	782.8	794.5	841.1	887.7	841.1	794.5	782.8	707.2	606.4	555.9	524.8
137.5°	747.0	756.5	794.7	832.8	794.7	756.5	747.0	683.1	597.9	555.2	528.1
140°	718.2	727.1	762.8	798.4	762.8	727.1	718.2	663.0	589.4	552.6	528.6
142.5°	698.2	705.8	736.4	767.1	736.4	705.8	698.2	649.6	584.9	552.6	530.5
145°	667.9	673.7	697.0	720.1	697.0	673.7	667.9	628.3	575.3	548.9	530.6
147.5°	642.5	647.3	666.6	685.8	666.6	647.3	642.5	611.3	569.7	548.9	534.2
150°	628.0	631.9	647.5	663.0	647.5	631.9	628.0	601.7	566.4	548.9	536.1
152.5°	616.4	619.4	631.2	642.9	631.2	619.4	616.4	593.9	563.9	548.9	537.4
155°	602.6	604.6	612.3	620.1	612.3	604.6	602.6	584.6	560.8	548.9	540.1
157.5°	590.6	592.0	597.5	602.9	597.5	592.0	590.6	576.7	558.1	548.9	542.8
160°	584.6	585.5	588.6	591.8	588.6	585.5	584.6	572.7	556.9	548.9	544.1
162.5°	579.1	579.8	582.8	585.8	582.8	579.8	579.1	569.1	555.6	548.9	545.5
165°	570.5	571.3	574.4	577.6	574.4	571.3	570.5	563.3	553.7	548.9	547.3
167.5°	566.8	567.2	568.4	569.8	568.4	567.2	566.8	562.1	555.8	552.6	551.2
170°	566.8	566.8	566.8	566.8	566.8	566.8	566.8	562.1	555.8	552.6	552.5
172.5°	563.8	563.6	562.4	561.2	562.4	563.6	563.8	560.1	555.1	552.6	552.6
175°	559.7	559.7	559.7	559.7	559.7	559.7	559.7	557.3	554.1	552.6	553.3
177.5°	558.9	558.6	557.3	555.9	557.3	558.6	558.9	557.0	554.6	553.3	553.9
180°	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9	555.9



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3237.9	3237.9	3237.9	3237.9	3237.9
2.5°	3198.1	3213.4	3222.6	3234.9	3265.5
5°	3075.6	3133.8	3152.1	3198.1	3253.2
7.5°	2806.0	2983.7	3032.7	3143.0	3228.7
10°	2545.6	2723.3	2809.1	3069.4	3198.1
12.5°	2413.9	2518.1	2576.3	2940.8	3155.2
15°	2331.2	2404.7	2447.6	2769.2	3106.2
17.5°	2266.9	2318.9	2349.5	2600.8	3038.8
20°	2227.1	2251.5	2279.1	2478.2	2962.2
22.5°	2199.5	2184.2	2205.6	2392.4	2858.0
25°	2181.1	2122.9	2147.4	2325.1	2735.6
27.5°	2196.4	2067.7	2076.9	2263.8	2606.9
30°	2199.5	2000.3	2003.4	2199.5	2462.9
32.5°	2178.0	1929.9	1933.0	2119.8	2300.6
35°	2126.0	1847.2	1844.1	2027.9	2080.0
37.5°	2055.4	1758.4	1758.4	1926.8	1838.0
40°	1969.7	1669.5	1678.7	1795.1	1623.6
42.5°	1865.5	1574.5	1586.8	1620.5	1464.3
45°	1752.2	1482.7	1491.8	1369.3	1341.7
47.5°	1626.7	1387.7	1390.8	1136.5	1301.9
50°	1476.5	1289.7	1277.4	974.1	1298.8
52.5°	1344.8	1182.4	1145.7	882.3	1179.3
55°	1216.2	1069.1	989.4	811.7	1093.6
57.5°	1102.8	922.1	845.5	729.1	1075.2
60°	998.7	778.1	719.9	640.2	986.4
62.5°	912.9	670.9	658.6	578.9	894.5
65°	821.0	597.3	594.2	526.9	759.7
67.5°	732.1	548.3	545.3	477.8	578.9
70°	637.1	496.3	490.1	425.8	428.9
72.5°	539.1	438.1	431.9	382.9	355.4
75°	441.1	370.7	367.6	333.9	287.9
77.5°	346.1	294.1	300.2	269.6	211.4
80°	248.1	214.4	220.6	193.0	159.3
82.5°	165.5	140.9	147.0	122.6	107.2
85°	91.9	79.7	82.7	64.4	49.0
87.5°	42.9	36.7	36.7	24.5	15.3
90°	16.4	10.4	9.7	6.7	3.7
92.5°	101.3	72.1	65.7	40.3	14.9
95°	249.1	140.3	128.7	82.3	35.8
97.5°	335.5	154.1	143.8	102.8	61.9
100°	367.0	165.6	156.3	119.2	82.1
102.5°	381.4	177.2	168.5	134.0	99.3
105°	392.2	194.4	187.1	157.7	128.4
107.5°	394.1	219.8	212.9	185.6	158.2
110°	391.2	234.0	227.8	203.0	178.3



TEST NUMBER: P934567

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	391.3	251.1	245.2	221.7	198.1
115°	394.9	276.9	271.5	249.7	228.0
117.5°	402.3	301.9	296.9	277.2	257.4
120°	408.2	316.4	311.8	293.2	274.6
122.5°	416.7	333.6	328.8	310.1	291.4
125°	428.3	355.5	351.3	334.2	317.2
127.5°	439.9	376.8	372.5	355.3	338.1
130°	448.3	391.0	386.4	367.8	349.2
132.5°	455.2	402.6	398.0	379.4	360.8
135°	462.6	416.0	411.8	394.9	378.0
137.5°	473.9	433.2	429.0	412.3	395.6
140°	480.7	444.8	440.9	425.5	410.0
142.5°	486.4	453.3	449.8	435.5	421.3
145°	493.9	466.4	463.4	450.9	438.5
147.5°	504.8	482.8	479.8	467.7	455.6
150°	510.6	491.4	488.7	477.7	466.8
152.5°	514.3	497.0	494.9	486.7	478.4
155°	522.5	509.3	507.8	501.6	495.5
157.5°	530.7	521.6	520.1	514.1	508.2
160°	534.5	527.3	526.1	521.5	516.8
162.5°	538.5	533.2	532.3	528.9	525.4
165°	544.1	541.7	540.9	537.8	534.7
167.5°	548.6	546.6	546.3	544.7	543.3
170°	552.3	552.2	551.9	550.3	548.9
172.5°	552.6	552.6	552.5	552.2	551.9
175°	554.9	555.9	555.9	555.9	555.9
177.5°	555.0	555.9	555.9	555.9	555.9
180°	555.9	555.9	555.9	555.9	555.9



TEST NUMBER: P934567  
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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	15.89	16.96	16.65	17.75	18.70	18.73	19.80	19.49	20.59	21.54
	3H	16.38	17.35	17.16	18.14	19.13	20.09	21.05	20.87	21.85	22.84
	4H	16.58	17.49	17.38	18.30	19.29	20.55	21.46	21.34	22.26	23.26
	6H	16.71	17.55	17.52	18.37	19.37	20.84	21.68	21.65	22.50	23.51
	8H	16.72	17.52	17.54	18.35	19.36	20.93	21.73	21.74	22.56	23.57
	12H	16.70	17.46	17.52	18.29	19.32	20.97	21.73	21.80	22.56	23.60
4H	2H	16.95	17.86	17.75	18.66	19.66	19.16	20.07	19.96	20.88	21.87
	3H	18.00	18.75	18.81	19.59	20.61	20.69	21.45	21.50	22.29	23.30
	4H	18.28	18.97	19.11	19.81	20.85	21.23	21.92	22.05	22.76	23.80
	6H	18.42	19.01	19.26	19.88	20.92	21.61	22.20	22.45	23.07	24.11
	8H	18.43	18.99	19.27	19.84	20.90	21.72	22.28	22.57	23.13	24.19
	12H	18.41	18.91	19.27	19.79	20.85	21.79	22.29	22.65	23.17	24.23
8H	4H	18.75	19.31	19.60	20.17	21.23	21.37	21.93	22.21	22.78	23.84
	6H	19.02	19.48	19.90	20.38	21.44	21.82	22.28	22.69	23.18	24.24
	8H	19.07	19.48	19.95	20.37	21.45	21.97	22.38	22.86	23.28	24.35
	12H	19.06	19.42	19.95	20.31	21.44	22.08	22.44	22.97	23.33	24.46
12H	4H	18.77	19.27	19.63	20.15	21.21	21.34	21.85	22.21	22.72	23.79
	6H	19.09	19.50	19.97	20.39	21.46	21.81	22.23	22.70	23.12	24.19
	8H	19.16	19.52	20.05	20.41	21.54	21.99	22.35	22.88	23.23	24.36