

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: P934565

Luminaire Tested: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

**Test Information**

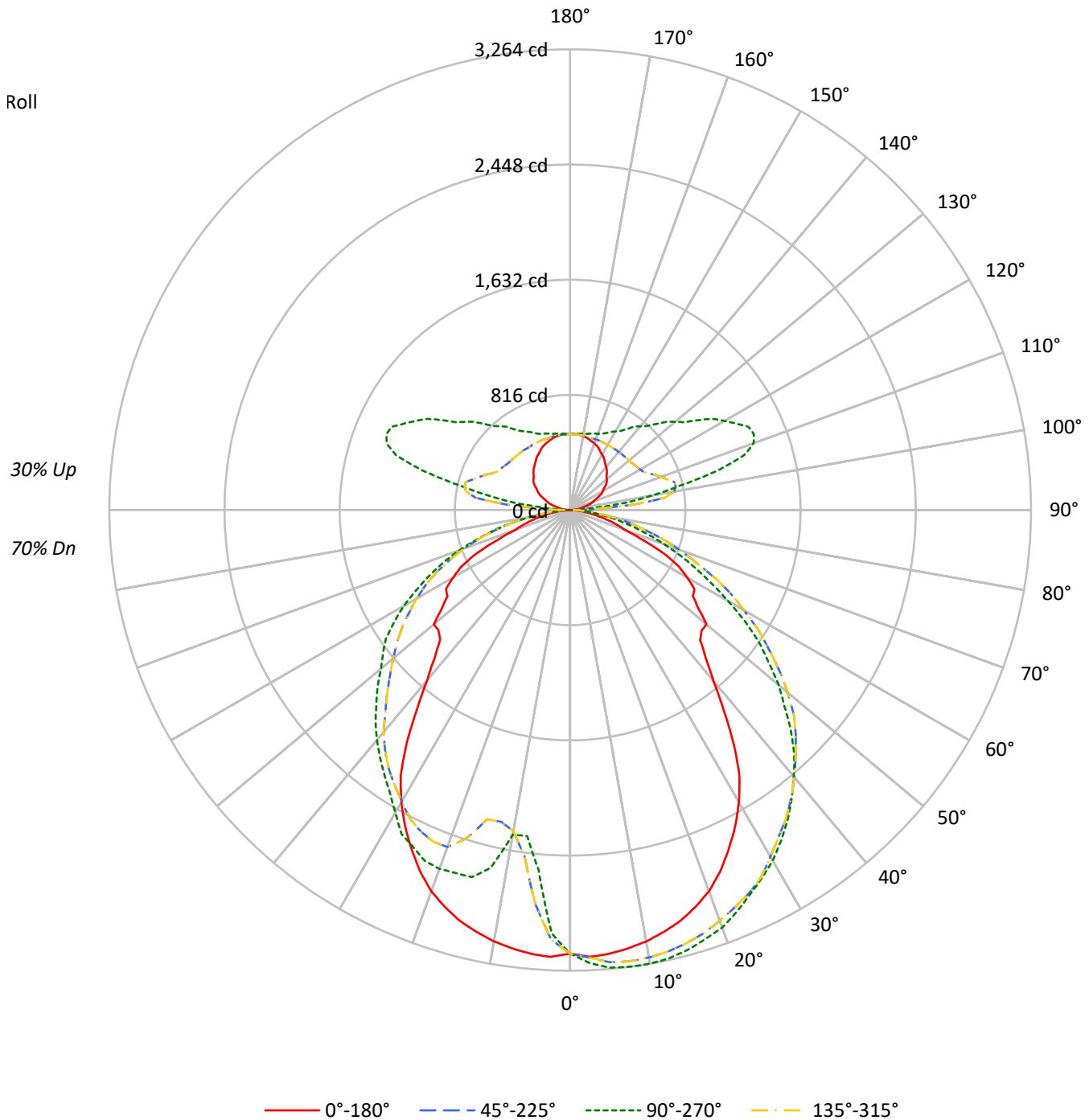
Test Method: LM-79-2019  
Report Number: P934565  
REPORT IS A COMBINATION OF REPORTS P933704 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11645.4 lumens  
Efficiency: N/A  
Efficacy: 104.0 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

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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	70
1	102	98	94	90	97	93	89	86	83	80	78	74	72	70	66	65	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	50
3	85	75	68	62	80	71	65	59	64	59	54	58	53	50	52	48	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	36
5	72	60	51	45	67	57	49	43	51	45	40	46	41	37	41	37	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	27
7	61	48	40	34	58	46	39	33	42	36	31	38	33	29	34	30	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	22
9	53	40	32	27	50	38	31	26	35	29	25	32	27	23	29	25	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	18

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

	0°	90°	180°	270°
0°	14577	14577	14577	14577
5°	14686	14715	14686	11570
10°	14588	14495	14588	10363
15°	14429	14180	14429	11841
20°	14127	13808	14127	11866
25°	13510	13266	13510	11615
30°	12712	12816	12712	11062
35°	11332	12246	11332	10456
40°	9443	11575	9443	9997
45°	8437	10790	8437	9470
50°	8963	9853	8963	8941
55°	8433	8845	8433	8635
60°	8693	7512	8693	7909
65°	7882	6210	7882	6941
70°	5457	4949	5457	5819
75°	4785	3657	4785	4380
80°	3857	2418	3857	2633
85°	2212	1281	2212	1089

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 12931 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	283.6	2.4
10°-20°	805.2	6.9
20°-30°	1244.8	10.7
30°-40°	1486.0	12.8
40°-50°	1494.7	12.8
50°-60°	1300.5	11.2
60°-70°	922.1	7.9
70°-80°	487.9	4.2
80°-90°	123.6	1.1
90°-100°	263.0	2.3
100°-110°	691.3	5.9
110°-120°	716.8	6.2
120°-130°	575.0	4.9
130°-140°	451.2	3.9
140°-150°	346.3	3.0
150°-160°	249.4	2.1
160°-170°	152.6	1.3
170°-180°	51.6	0.4
0°-30°	2333.6	20.0
0°-40°	3819.6	32.8
0°-60°	6614.8	56.8
0°-90°	8148.3	70.0
90°-120°	1671.1	14.4
90°-150°	3043.6	26.1
90°-180°	3497.0	30.0
0°-180°	11645.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3142	3142	3142	3142	3142	
5°	3157	3255	3157	2559	3157	299
15°	3014	3225	3014	2693	3014	848
25°	2654	3008	2654	2634	2654	1219
35°	2018	2684	2018	2292	2018	1249
45°	1302	2212	1302	1941	1302	1043
55°	1061	1632	1061	1593	1061	975
65°	737	984	737	1100	737	705
75°	279	467	279	559	279	294
85°	48	119	48	101	48	64
90°	4	14	4	14	4	5
95°	35	159	35	159	35	39
105°	124	1082	124	1082	124	132
115°	221	1394	221	1394	221	218
125°	308	1110	308	1110	308	273
135°	367	861	367	861	367	284
145°	425	699	425	699	425	267
155°	481	602	481	602	481	221
165°	519	560	519	560	519	146
175°	540	543	540	543	540	51
180°	540	540	540	540	540	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9
2.5°	3168.6	3168.6	3186.4	3192.4	3192.4	3183.5	3174.5	3183.5	3210.2	3219.1	3216.2
5°	3156.7	3180.5	3213.2	3219.1	3225.0	3222.1	3216.2	3222.1	3251.8	3257.8	3260.8
7.5°	3132.9	3177.5	3219.1	3228.0	3237.0	3228.0	3225.0	3231.0	3260.8	3266.7	3266.7
10°	3103.2	3165.7	3213.2	3219.1	3228.0	3219.1	3219.1	3231.0	3260.8	3266.7	3269.7
12.5°	3061.6	3147.7	3192.4	3198.3	3210.2	3207.2	3204.3	3216.2	3245.8	3251.8	3251.8
15°	3014.1	3115.1	3156.7	3162.7	3183.5	3177.5	3177.5	3189.4	3222.1	3231.0	3228.0
17.5°	2948.6	3073.4	3121.0	3129.9	3144.8	3141.9	3144.8	3156.7	3186.4	3192.4	3195.3
20°	2874.3	3017.0	3073.4	3082.4	3097.2	3097.2	3097.2	3112.1	3141.9	3153.7	3153.7
22.5°	2773.2	2957.6	3017.0	3022.9	3040.8	3040.8	3046.7	3067.6	3094.3	3097.2	3097.2
25°	2654.4	2892.2	2942.7	2960.5	2978.3	2987.3	2996.2	3008.1	3017.0	3014.1	3017.0
27.5°	2529.5	2808.9	2874.3	2886.2	2910.0	2918.9	2930.8	2933.8	2936.8	2945.6	2939.7
30°	2389.9	2693.0	2791.1	2803.0	2841.7	2847.5	2835.7	2841.7	2856.5	2862.5	2868.4
32.5°	2232.3	2520.6	2704.9	2731.7	2767.4	2749.5	2746.5	2755.4	2779.2	2779.2	2785.2
35°	2018.2	2386.9	2624.6	2648.4	2675.1	2654.4	2666.3	2669.2	2684.1	2693.0	2690.1
37.5°	1783.5	2270.9	2541.5	2559.3	2580.1	2553.3	2571.1	2580.1	2592.0	2586.0	2586.0
40°	1575.4	2089.6	2443.3	2455.2	2473.0	2452.2	2470.0	2476.0	2482.0	2476.0	2473.0
42.5°	1420.8	1890.5	2339.3	2354.1	2342.3	2357.1	2363.1	2374.9	2366.1	2354.1	2354.1
45°	1301.9	1837.0	2226.3	2244.1	2226.3	2250.1	2259.1	2259.1	2232.3	2226.3	2223.3
47.5°	1263.3	1729.9	2113.4	2113.4	2104.5	2134.2	2149.0	2128.2	2101.5	2092.6	2092.6
50°	1260.3	1611.1	1958.8	1946.9	1988.6	2024.2	2009.4	1988.6	1967.7	1935.1	1935.1
52.5°	1144.3	1465.4	1759.7	1804.3	1869.6	1890.5	1866.7	1845.8	1810.2	1795.3	1783.5
55°	1061.2	1313.9	1578.4	1667.5	1735.9	1762.7	1718.0	1697.2	1643.7	1634.9	1628.9
57.5°	1043.3	1093.8	1411.9	1524.8	1608.1	1605.1	1578.4	1539.7	1495.1	1486.2	1483.3
60°	957.1	790.6	1233.6	1367.3	1453.5	1444.6	1420.8	1385.2	1343.5	1337.6	1331.7
62.5°	867.9	573.7	1031.4	1183.0	1304.9	1301.9	1281.1	1227.6	1197.9	1183.0	1171.1
65°	737.2	481.6	734.2	983.9	1159.3	1165.2	1120.6	1082.0	1049.2	1031.4	1028.5
67.5°	561.8	392.3	496.4	820.4	1019.5	1013.6	957.1	939.3	897.7	888.8	870.9
70°	416.1	261.6	344.8	665.8	882.8	867.9	823.3	802.6	763.9	743.1	731.2
72.5°	344.8	211.1	252.7	517.2	743.1	725.3	686.7	662.9	630.2	612.4	600.4
75°	279.4	222.9	193.2	383.5	603.4	591.5	555.9	532.1	505.3	481.6	484.5
77.5°	205.1	208.1	154.6	282.4	478.6	460.8	439.9	410.2	398.3	374.5	374.5
80°	154.6	163.5	115.9	193.2	344.8	344.8	327.0	306.2	285.4	273.5	273.5
82.5°	104.0	104.0	86.2	121.9	234.9	225.9	214.0	208.1	196.2	190.2	190.2
85°	47.5	59.5	53.5	74.3	127.8	133.8	133.8	127.8	124.8	118.9	121.9
87.5°	14.8	26.8	32.7	41.6	65.4	68.3	71.3	71.3	71.3	74.3	74.3
90°	3.6	6.5	9.4	10.1	15.9	23.6	27.5	24.4	18.4	13.8	13.8
92.5°	14.5	39.1	63.8	69.9	98.3	136.0	154.9	135.8	97.5	68.8	66.0
95°	34.8	79.8	124.9	136.1	241.7	382.5	452.9	404.2	306.7	233.5	225.3
97.5°	60.1	99.8	139.6	149.5	325.6	560.4	677.8	647.0	585.3	539.1	523.3
100°	79.7	115.7	151.7	160.7	356.2	616.7	746.9	749.2	753.7	757.0	738.2
102.5°	96.3	130.0	163.5	172.0	370.1	634.4	766.5	805.8	884.3	943.1	927.0
105°	124.5	153.0	181.5	188.7	380.6	636.4	764.3	852.3	1028.4	1160.4	1151.7
107.5°	153.5	180.1	206.6	213.3	382.4	608.0	720.8	843.6	1089.2	1273.4	1275.5
110°	173.0	197.0	221.1	227.0	379.6	582.9	684.6	821.9	1096.4	1302.3	1311.3



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	192.3	215.1	237.9	243.6	379.7	561.1	651.7	792.1	1073.1	1283.8	1297.7
115°	221.2	242.3	263.4	268.7	383.2	535.9	612.3	747.6	1018.2	1221.2	1240.3
117.5°	249.8	268.9	288.1	292.9	390.3	520.1	585.0	707.2	951.5	1134.7	1155.9
120°	266.5	284.5	302.6	307.1	396.1	514.9	574.2	685.8	909.0	1076.4	1097.0
122.5°	282.7	300.9	319.1	323.7	404.4	512.0	565.9	666.4	867.4	1018.1	1038.5
125°	307.8	324.3	340.9	345.0	415.6	509.8	556.8	642.2	813.0	941.0	959.8
127.5°	328.0	344.7	361.4	365.6	426.9	508.4	549.2	622.5	769.1	879.1	894.9
130°	338.8	356.9	374.9	379.4	435.0	509.2	546.3	611.6	742.1	839.9	854.6
132.5°	350.1	368.1	386.2	390.7	441.7	509.8	543.8	602.3	719.1	806.6	819.7
135°	366.8	383.2	399.5	403.7	448.9	509.2	539.5	588.4	686.2	759.6	770.9
137.5°	383.8	400.1	416.3	420.4	459.8	512.4	538.7	580.1	662.9	724.9	734.1
140°	397.9	412.9	427.8	431.6	466.5	512.9	536.2	571.9	643.4	696.9	705.5
142.5°	408.8	422.6	436.4	439.9	472.0	514.8	536.2	567.6	630.4	677.4	684.9
145°	425.4	437.5	449.6	452.6	479.3	514.9	532.6	558.2	609.6	648.1	653.7
147.5°	442.0	453.8	465.6	468.5	489.8	518.4	532.6	552.8	593.1	623.4	628.1
150°	452.9	463.6	474.2	476.8	495.4	520.2	532.6	549.6	583.8	609.4	613.1
152.5°	464.2	472.3	480.3	482.3	499.1	521.4	532.6	547.2	576.3	598.1	601.0
155°	480.8	486.8	492.7	494.2	507.0	524.1	532.6	544.2	567.3	584.7	586.6
157.5°	493.1	498.9	504.7	506.2	514.9	526.7	532.6	541.6	559.6	573.1	574.4
160°	501.4	506.0	510.5	511.6	518.6	527.9	532.6	540.3	555.7	567.3	568.1
162.5°	509.8	513.2	516.5	517.4	522.5	529.3	532.6	539.1	552.2	561.9	562.6
165°	518.8	521.9	524.9	525.7	527.9	531.0	532.6	537.3	546.6	553.6	554.4
167.5°	527.2	528.6	530.1	530.4	532.3	534.9	536.2	539.3	545.4	550.0	550.3
170°	532.6	534.0	535.5	535.9	535.9	536.1	536.2	539.3	545.4	550.0	550.0
172.5°	535.5	535.9	536.1	536.2	536.2	536.2	536.2	538.7	543.5	547.1	546.8
175°	539.5	539.5	539.5	539.5	538.4	536.9	536.2	537.7	540.8	543.1	543.1
177.5°	539.5	539.5	539.5	539.5	538.6	537.4	536.9	538.1	540.5	542.4	542.0
180°	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9
2.5°	3222.1	3213.2	3222.1	3216.2	3219.1	3210.2	3183.5	3174.5	3183.5	3192.4	3192.4
5°	3260.8	3254.8	3260.8	3260.8	3257.8	3251.8	3222.1	3216.2	3222.1	3225.0	3219.1
7.5°	3272.6	3263.7	3272.6	3266.7	3266.7	3260.8	3231.0	3225.0	3228.0	3237.0	3228.0
10°	3272.6	3263.7	3272.6	3269.7	3266.7	3260.8	3231.0	3219.1	3219.1	3228.0	3219.1
12.5°	3257.8	3251.8	3257.8	3251.8	3251.8	3245.8	3216.2	3204.3	3207.2	3210.2	3198.3
15°	3234.0	3225.0	3234.0	3228.0	3231.0	3222.1	3189.4	3177.5	3177.5	3183.5	3162.7
17.5°	3198.3	3186.4	3198.3	3195.3	3192.4	3186.4	3156.7	3144.8	3141.9	3144.8	3129.9
20°	3156.7	3147.7	3156.7	3153.7	3153.7	3141.9	3112.1	3097.2	3097.2	3097.2	3082.4
22.5°	3091.3	3082.4	3091.3	3097.2	3097.2	3094.3	3067.6	3046.7	3040.8	3040.8	3022.9
25°	3017.0	3008.1	3017.0	3017.0	3014.1	3017.0	3008.1	2996.2	2987.3	2978.3	2960.5
27.5°	2945.6	2939.7	2945.6	2939.7	2945.6	2936.8	2933.8	2930.8	2918.9	2910.0	2886.2
30°	2874.3	2868.4	2874.3	2868.4	2862.5	2856.5	2841.7	2835.7	2847.5	2841.7	2803.0
32.5°	2785.2	2779.2	2785.2	2785.2	2779.2	2779.2	2755.4	2746.5	2749.5	2767.4	2731.7
35°	2693.0	2684.1	2693.0	2690.1	2693.0	2684.1	2669.2	2666.3	2654.4	2675.1	2648.4
37.5°	2586.0	2577.1	2586.0	2586.0	2586.0	2592.0	2580.1	2571.1	2553.3	2580.1	2559.3
40°	2476.0	2464.2	2476.0	2473.0	2476.0	2482.0	2476.0	2470.0	2452.2	2473.0	2455.2
42.5°	2351.2	2348.2	2351.2	2354.1	2354.1	2366.1	2374.9	2363.1	2357.1	2342.3	2354.1
45°	2217.4	2211.5	2217.4	2223.3	2226.3	2232.3	2259.1	2259.1	2250.1	2226.3	2244.1
47.5°	2074.7	2059.9	2074.7	2092.6	2092.6	2101.5	2128.2	2149.0	2134.2	2104.5	2113.4
50°	1923.1	1926.1	1923.1	1935.1	1935.1	1967.7	1988.6	2009.4	2024.2	1988.6	1946.9
52.5°	1774.5	1771.5	1774.5	1783.5	1795.3	1810.2	1845.8	1866.7	1890.5	1869.6	1804.3
55°	1625.9	1631.9	1625.9	1628.9	1634.9	1643.7	1697.2	1718.0	1762.7	1735.9	1667.5
57.5°	1477.3	1468.3	1477.3	1483.3	1486.2	1495.1	1539.7	1578.4	1605.1	1608.1	1524.8
60°	1304.9	1293.0	1304.9	1331.7	1337.6	1343.5	1385.2	1420.8	1444.6	1453.5	1367.3
62.5°	1153.3	1132.5	1153.3	1171.1	1183.0	1197.9	1227.6	1281.1	1301.9	1304.9	1183.0
65°	992.7	983.9	992.7	1028.5	1031.4	1049.2	1082.0	1120.6	1165.2	1159.3	983.9
67.5°	847.1	847.1	847.1	870.9	888.8	897.7	939.3	957.1	1013.6	1019.5	820.4
70°	713.4	710.4	713.4	731.2	743.1	763.9	802.6	823.3	867.9	882.8	665.8
72.5°	585.6	582.6	585.6	600.4	612.4	630.2	662.9	686.7	725.3	743.1	517.2
75°	472.6	466.6	472.6	484.5	481.6	505.3	532.1	555.9	591.5	603.4	383.5
77.5°	362.7	362.7	362.7	374.5	374.5	398.3	410.2	439.9	460.8	478.6	282.4
80°	270.5	267.5	270.5	273.5	273.5	285.4	306.2	327.0	344.8	344.8	193.2
82.5°	190.2	184.3	190.2	190.2	190.2	196.2	208.1	214.0	225.9	234.9	121.9
85°	118.9	118.9	118.9	121.9	118.9	124.8	127.8	133.8	133.8	127.8	74.3
87.5°	77.3	74.3	77.3	74.3	74.3	71.3	71.3	71.3	68.3	65.4	41.6
90°	13.8	13.8	13.8	13.8	13.8	18.4	24.4	27.5	23.6	15.9	10.1
92.5°	55.1	44.2	55.1	66.0	68.8	97.5	135.8	154.9	136.0	98.3	69.9
95°	192.1	159.0	192.1	225.3	233.5	306.7	404.2	452.9	382.5	241.7	136.1
97.5°	460.2	397.2	460.2	523.3	539.1	585.3	647.0	677.8	560.4	325.6	149.5
100°	663.1	587.9	663.1	738.2	757.0	753.7	749.2	746.9	616.7	356.2	160.7
102.5°	862.7	798.3	862.7	927.0	943.1	884.3	805.8	766.5	634.4	370.1	172.0
105°	1117.1	1082.5	1117.1	1151.7	1160.4	1028.4	852.3	764.3	636.4	380.6	188.7
107.5°	1283.8	1292.2	1283.8	1275.5	1273.4	1089.2	843.6	720.8	608.0	382.4	213.3
110°	1347.3	1383.4	1347.3	1311.3	1302.3	1096.4	821.9	684.6	582.9	379.6	227.0





TEST NUMBER: P934565

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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1353.0	1408.4	1353.0	1297.7	1283.8	1073.1	792.1	651.7	561.1	379.7	243.6
115°	1317.1	1393.9	1317.1	1240.3	1221.2	1018.2	747.6	612.3	535.9	383.2	268.7
117.5°	1241.1	1326.2	1241.1	1155.9	1134.7	951.5	707.2	585.0	520.1	390.3	292.9
120°	1179.7	1262.5	1179.7	1097.0	1076.4	909.0	685.8	574.2	514.9	396.1	307.1
122.5°	1120.1	1201.7	1120.1	1038.5	1018.1	867.4	666.4	565.9	512.0	404.4	323.7
125°	1034.9	1110.1	1034.9	959.8	941.0	813.0	642.2	556.8	509.8	415.6	345.0
127.5°	958.3	1021.7	958.3	894.9	879.1	769.1	622.5	549.2	508.4	426.9	365.6
130°	913.2	971.8	913.2	854.6	839.9	742.1	611.6	546.3	509.2	435.0	379.4
132.5°	872.2	924.7	872.2	819.7	806.6	719.1	602.3	543.8	509.8	441.7	390.7
135°	816.1	861.3	816.1	770.9	759.6	686.2	588.4	539.5	509.2	448.9	403.7
137.5°	771.1	808.1	771.1	734.1	724.9	662.9	580.1	538.7	512.4	459.8	420.4
140°	740.1	774.7	740.1	705.5	696.9	643.4	571.9	536.2	512.9	466.5	431.6
142.5°	714.6	744.4	714.6	684.9	677.4	630.4	567.6	536.2	514.8	472.0	439.9
145°	676.3	698.8	676.3	653.7	648.1	609.6	558.2	532.6	514.9	479.3	452.6
147.5°	646.8	665.5	646.8	628.1	623.4	593.1	552.8	532.6	518.4	489.8	468.5
150°	628.2	643.4	628.2	613.1	609.4	583.8	549.6	532.6	520.2	495.4	476.8
152.5°	612.4	623.9	612.4	601.0	598.1	576.3	547.2	532.6	521.4	499.1	482.3
155°	594.2	601.7	594.2	586.6	584.7	567.3	544.2	532.6	524.1	507.0	494.2
157.5°	579.8	585.0	579.8	574.4	573.1	559.6	541.6	532.6	526.7	514.9	506.2
160°	571.2	574.2	571.2	568.1	567.3	555.7	540.3	532.6	527.9	518.6	511.6
162.5°	565.5	568.4	565.5	562.6	561.9	552.2	539.1	532.6	529.3	522.5	517.4
165°	557.4	560.4	557.4	554.4	553.6	546.6	537.3	532.6	531.0	527.9	525.7
167.5°	551.6	552.9	551.6	550.3	550.0	545.4	539.3	536.2	534.9	532.3	530.4
170°	550.0	550.0	550.0	550.0	550.0	545.4	539.3	536.2	536.1	535.9	535.9
172.5°	545.7	544.5	545.7	546.8	547.1	543.5	538.7	536.2	536.2	536.2	536.2
175°	543.1	543.1	543.1	543.1	543.1	540.8	537.7	536.2	536.9	538.4	539.5
177.5°	540.8	539.5	540.8	542.0	542.4	540.5	538.1	536.9	537.4	538.6	539.5
180°	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5



TEST NUMBER: P934565

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9
2.5°	3186.4	3168.6	3168.6	3138.9	3127.0	3118.1	3103.2	3058.6	3046.7	3034.8	3052.7
5°	3213.2	3180.5	3156.7	3103.2	3058.6	3040.8	2984.3	2877.3	2806.0	2752.4	2722.7
7.5°	3219.1	3177.5	3132.9	3049.7	2942.7	2895.1	2722.7	2526.5	2473.0	2425.5	2395.7
10°	3213.2	3165.7	3103.2	2978.3	2725.7	2642.5	2470.0	2342.3	2309.6	2300.6	2309.6
12.5°	3192.4	3147.7	3061.6	2853.5	2499.8	2443.3	2342.3	2267.9	2262.0	2276.9	2357.1
15°	3156.7	3115.1	3014.1	2687.1	2374.9	2333.4	2262.0	2235.3	2267.9	2372.0	2612.8
17.5°	3121.0	3073.4	2948.6	2523.6	2279.8	2250.1	2199.6	2253.1	2437.4	2577.1	2657.3
20°	3073.4	3017.0	2874.3	2404.7	2211.5	2184.7	2161.0	2401.7	2541.5	2592.0	2636.6
22.5°	3017.0	2957.6	2773.2	2321.4	2140.2	2119.3	2134.2	2485.0	2541.5	2577.1	2615.8
25°	2942.7	2892.2	2654.4	2256.1	2083.7	2059.9	2116.4	2476.0	2508.7	2517.6	2594.9
27.5°	2874.3	2808.9	2529.5	2196.6	2015.3	2006.4	2131.2	2437.4	2461.2	2470.0	2553.3
30°	2791.1	2693.0	2389.9	2134.2	1943.9	1941.0	2134.2	2389.9	2383.9	2407.7	2490.9
32.5°	2704.9	2520.6	2232.3	2056.9	1875.6	1872.6	2113.4	2318.5	2312.6	2345.2	2407.7
35°	2624.6	2386.9	2018.2	1967.7	1789.4	1792.3	2062.9	2235.3	2238.3	2267.9	2306.6
37.5°	2541.5	2270.9	1783.5	1869.6	1706.2	1706.2	1994.4	2158.0	2152.0	2161.0	2214.5
40°	2443.3	2089.6	1575.4	1741.8	1628.9	1619.9	1911.3	2074.7	2053.9	2051.0	2125.3
42.5°	2339.3	1890.5	1420.8	1572.4	1539.7	1527.8	1810.2	1973.7	1935.1	1943.9	2039.1
45°	2226.3	1837.0	1301.9	1328.7	1447.5	1438.7	1700.2	1857.8	1831.0	1854.8	1952.9
47.5°	2113.4	1729.9	1263.3	1102.8	1349.5	1346.5	1578.4	1744.8	1729.9	1753.7	1857.8
50°	1958.8	1611.1	1260.3	945.2	1239.5	1251.4	1432.7	1634.9	1634.9	1655.6	1765.6
52.5°	1759.7	1465.4	1144.3	856.1	1111.7	1147.3	1304.9	1539.7	1545.6	1566.4	1664.6
55°	1578.4	1313.9	1061.2	787.7	960.1	1037.4	1180.1	1441.6	1453.5	1474.3	1563.5
57.5°	1411.9	1093.8	1043.3	707.5	820.4	894.7	1070.0	1346.5	1352.4	1370.3	1456.5
60°	1233.6	790.6	957.1	621.2	698.5	755.0	969.0	1233.6	1254.4	1266.2	1340.6
62.5°	1031.4	573.7	867.9	561.8	639.1	651.0	885.8	1126.5	1153.3	1162.3	1206.8
65°	734.2	481.6	737.2	511.3	576.6	579.6	796.6	1016.5	1040.3	1055.2	1087.9
67.5°	496.4	392.3	561.8	463.7	529.1	532.1	710.4	888.8	921.4	933.4	954.2
70°	344.8	261.6	416.1	413.2	475.6	481.6	618.2	772.8	802.6	811.5	823.3
72.5°	252.7	211.1	344.8	371.5	419.1	425.1	523.1	642.0	671.7	680.7	686.7
75°	193.2	222.9	279.4	324.0	356.7	359.7	428.0	523.1	543.9	549.9	552.9
77.5°	154.6	208.1	205.1	261.6	291.3	285.4	335.9	404.3	422.1	422.1	422.1
80°	115.9	163.5	154.6	187.3	214.0	208.1	240.7	288.3	294.2	300.2	297.2
82.5°	86.2	104.0	104.0	118.9	142.6	136.8	160.6	187.3	187.3	187.3	193.2
85°	53.5	59.5	47.5	62.4	80.3	77.3	89.1	101.1	104.0	104.0	98.1
87.5°	32.7	26.8	14.8	23.8	35.7	35.7	41.6	44.6	41.6	41.6	41.6
90°	9.4	6.5	3.6	6.5	9.4	10.1	15.9	23.6	27.5	24.4	18.4
92.5°	63.8	39.1	14.5	39.1	63.8	69.9	98.3	136.0	154.9	135.8	97.5
95°	124.9	79.8	34.8	79.8	124.9	136.1	241.7	382.5	452.9	404.2	306.7
97.5°	139.6	99.8	60.1	99.8	139.6	149.5	325.6	560.4	677.8	647.0	585.3
100°	151.7	115.7	79.7	115.7	151.7	160.7	356.2	616.7	746.9	749.2	753.7
102.5°	163.5	130.0	96.3	130.0	163.5	172.0	370.1	634.4	766.5	805.8	884.3
105°	181.5	153.0	124.5	153.0	181.5	188.7	380.6	636.4	764.3	852.3	1028.4
107.5°	206.6	180.1	153.5	180.1	206.6	213.3	382.4	608.0	720.8	843.6	1089.2
110°	221.1	197.0	173.0	197.0	221.1	227.0	379.6	582.9	684.6	821.9	1096.4



TEST NUMBER: P934565

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	237.9	215.1	192.3	215.1	237.9	243.6	379.7	561.1	651.7	792.1	1073.1
115°	263.4	242.3	221.2	242.3	263.4	268.7	383.2	535.9	612.3	747.6	1018.2
117.5°	288.1	268.9	249.8	268.9	288.1	292.9	390.3	520.1	585.0	707.2	951.5
120°	302.6	284.5	266.5	284.5	302.6	307.1	396.1	514.9	574.2	685.8	909.0
122.5°	319.1	300.9	282.7	300.9	319.1	323.7	404.4	512.0	565.9	666.4	867.4
125°	340.9	324.3	307.8	324.3	340.9	345.0	415.6	509.8	556.8	642.2	813.0
127.5°	361.4	344.7	328.0	344.7	361.4	365.6	426.9	508.4	549.2	622.5	769.1
130°	374.9	356.9	338.8	356.9	374.9	379.4	435.0	509.2	546.3	611.6	742.1
132.5°	386.2	368.1	350.1	368.1	386.2	390.7	441.7	509.8	543.8	602.3	719.1
135°	399.5	383.2	366.8	383.2	399.5	403.7	448.9	509.2	539.5	588.4	686.2
137.5°	416.3	400.1	383.8	400.1	416.3	420.4	459.8	512.4	538.7	580.1	662.9
140°	427.8	412.9	397.9	412.9	427.8	431.6	466.5	512.9	536.2	571.9	643.4
142.5°	436.4	422.6	408.8	422.6	436.4	439.9	472.0	514.8	536.2	567.6	630.4
145°	449.6	437.5	425.4	437.5	449.6	452.6	479.3	514.9	532.6	558.2	609.6
147.5°	465.6	453.8	442.0	453.8	465.6	468.5	489.8	518.4	532.6	552.8	593.1
150°	474.2	463.6	452.9	463.6	474.2	476.8	495.4	520.2	532.6	549.6	583.8
152.5°	480.3	472.3	464.2	472.3	480.3	482.3	499.1	521.4	532.6	547.2	576.3
155°	492.7	486.8	480.8	486.8	492.7	494.2	507.0	524.1	532.6	544.2	567.3
157.5°	504.7	498.9	493.1	498.9	504.7	506.2	514.9	526.7	532.6	541.6	559.6
160°	510.5	506.0	501.4	506.0	510.5	511.6	518.6	527.9	532.6	540.3	555.7
162.5°	516.5	513.2	509.8	513.2	516.5	517.4	522.5	529.3	532.6	539.1	552.2
165°	524.9	521.9	518.8	521.9	524.9	525.7	527.9	531.0	532.6	537.3	546.6
167.5°	530.1	528.6	527.2	528.6	530.1	530.4	532.3	534.9	536.2	539.3	545.4
170°	535.5	534.0	532.6	534.0	535.5	535.9	535.9	536.1	536.2	539.3	545.4
172.5°	536.1	535.9	535.5	535.9	536.1	536.2	536.2	536.2	536.2	538.7	543.5
175°	539.5	539.5	539.5	539.5	539.5	539.5	538.4	536.9	536.2	537.7	540.8
177.5°	539.5	539.5	539.5	539.5	539.5	539.5	538.6	537.4	536.9	538.1	540.5
180°	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5



TEST NUMBER: P934565  
 CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9
2.5°	3031.9	3022.9	3034.8	3002.1	3034.8	3022.9	3031.9	3052.7	3034.8	3046.7	3058.6
5°	2660.3	2645.4	2597.9	2559.3	2597.9	2645.4	2660.3	2722.7	2752.4	2806.0	2877.3
7.5°	2377.9	2366.1	2354.1	2330.4	2354.1	2366.1	2377.9	2395.7	2425.5	2473.0	2526.5
10°	2315.6	2318.5	2336.3	2333.4	2336.3	2318.5	2315.6	2309.6	2300.6	2309.6	2342.3
12.5°	2476.0	2502.8	2600.8	2594.9	2600.8	2502.8	2476.0	2357.1	2276.9	2262.0	2267.9
15°	2660.3	2669.2	2690.1	2693.0	2690.1	2669.2	2660.3	2612.8	2372.0	2267.9	2235.3
17.5°	2678.1	2681.1	2695.9	2695.9	2695.9	2681.1	2678.1	2657.3	2577.1	2437.4	2253.1
20°	2663.3	2669.2	2698.9	2704.9	2698.9	2669.2	2663.3	2636.6	2592.0	2541.5	2401.7
22.5°	2657.3	2669.2	2693.0	2690.1	2693.0	2669.2	2657.3	2615.8	2577.1	2541.5	2485.0
25°	2627.6	2627.6	2630.6	2633.6	2630.6	2627.6	2627.6	2594.9	2517.6	2508.7	2476.0
27.5°	2565.2	2571.1	2589.0	2586.0	2589.0	2571.1	2565.2	2553.3	2470.0	2461.2	2437.4
30°	2508.7	2502.8	2487.9	2476.0	2487.9	2502.8	2508.7	2490.9	2407.7	2383.9	2389.9
32.5°	2413.6	2398.7	2383.9	2374.9	2383.9	2398.7	2413.6	2407.7	2345.2	2312.6	2318.5
35°	2300.6	2303.6	2300.6	2291.8	2300.6	2303.6	2300.6	2306.6	2267.9	2238.3	2235.3
37.5°	2220.4	2226.3	2223.3	2211.5	2223.3	2226.3	2220.4	2214.5	2161.0	2152.0	2158.0
40°	2137.2	2140.2	2137.2	2128.2	2137.2	2140.2	2137.2	2125.3	2051.0	2053.9	2074.7
42.5°	2056.9	2053.9	2045.0	2039.1	2045.0	2053.9	2056.9	2039.1	1943.9	1935.1	1973.7
45°	1964.8	1967.7	1949.9	1941.0	1949.9	1967.7	1964.8	1952.9	1854.8	1831.0	1857.8
47.5°	1872.6	1872.6	1857.8	1848.8	1857.8	1872.6	1872.6	1857.8	1753.7	1729.9	1744.8
50°	1774.5	1771.5	1750.7	1747.8	1750.7	1771.5	1774.5	1765.6	1655.6	1634.9	1634.9
52.5°	1661.6	1661.6	1664.6	1670.5	1664.6	1661.6	1661.6	1664.6	1566.4	1545.6	1539.7
55°	1563.5	1566.4	1587.3	1593.2	1587.3	1566.4	1563.5	1563.5	1474.3	1453.5	1441.6
57.5°	1462.5	1462.5	1477.3	1477.3	1477.3	1462.5	1462.5	1456.5	1370.3	1352.4	1346.5
60°	1346.5	1352.4	1364.4	1361.4	1364.4	1352.4	1346.5	1340.6	1266.2	1254.4	1233.6
62.5°	1224.6	1230.6	1233.6	1227.6	1233.6	1230.6	1224.6	1206.8	1162.3	1153.3	1126.5
65°	1096.8	1102.8	1105.8	1099.8	1105.8	1102.8	1096.8	1087.9	1055.2	1040.3	1016.5
67.5°	966.0	963.1	960.1	972.0	960.1	963.1	966.0	954.2	933.4	921.4	888.8
70°	832.3	832.3	829.3	835.3	829.3	832.3	832.3	823.3	811.5	802.6	772.8
72.5°	689.6	686.7	698.5	689.6	698.5	686.7	689.6	686.7	680.7	671.7	642.0
75°	549.9	555.9	549.9	558.8	549.9	555.9	549.9	552.9	549.9	543.9	523.1
77.5°	419.1	425.1	419.1	419.1	419.1	425.1	419.1	422.1	422.1	422.1	404.3
80°	297.2	294.2	294.2	291.3	294.2	294.2	297.2	297.2	300.2	294.2	288.3
82.5°	190.2	187.3	187.3	193.2	187.3	187.3	190.2	193.2	187.3	187.3	187.3
85°	104.0	107.0	101.1	101.1	101.1	107.0	104.0	98.1	104.0	104.0	101.1
87.5°	38.6	35.7	35.7	35.7	35.7	35.7	38.6	41.6	41.6	41.6	44.6
90°	13.8	13.8	13.8	13.8	13.8	13.8	13.8	18.4	24.4	27.5	23.6
92.5°	68.8	66.0	55.1	44.2	55.1	66.0	68.8	97.5	135.8	154.9	136.0
95°	233.5	225.3	192.1	159.0	192.1	225.3	233.5	306.7	404.2	452.9	382.5
97.5°	539.1	523.3	460.2	397.2	460.2	523.3	539.1	585.3	647.0	677.8	560.4
100°	757.0	738.2	663.1	587.9	663.1	738.2	757.0	753.7	749.2	746.9	616.7
102.5°	943.1	927.0	862.7	798.3	862.7	927.0	943.1	884.3	805.8	766.5	634.4
105°	1160.4	1151.7	1117.1	1082.5	1117.1	1151.7	1160.4	1028.4	852.3	764.3	636.4
107.5°	1273.4	1275.5	1283.8	1292.2	1283.8	1275.5	1273.4	1089.2	843.6	720.8	608.0
110°	1302.3	1311.3	1347.3	1383.4	1347.3	1311.3	1302.3	1096.4	821.9	684.6	582.9



TEST NUMBER: P934565

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1283.8	1297.7	1353.0	1408.4	1353.0	1297.7	1283.8	1073.1	792.1	651.7	561.1
115°	1221.2	1240.3	1317.1	1393.9	1317.1	1240.3	1221.2	1018.2	747.6	612.3	535.9
117.5°	1134.7	1155.9	1241.1	1326.2	1241.1	1155.9	1134.7	951.5	707.2	585.0	520.1
120°	1076.4	1097.0	1179.7	1262.5	1179.7	1097.0	1076.4	909.0	685.8	574.2	514.9
122.5°	1018.1	1038.5	1120.1	1201.7	1120.1	1038.5	1018.1	867.4	666.4	565.9	512.0
125°	941.0	959.8	1034.9	1110.1	1034.9	959.8	941.0	813.0	642.2	556.8	509.8
127.5°	879.1	894.9	958.3	1021.7	958.3	894.9	879.1	769.1	622.5	549.2	508.4
130°	839.9	854.6	913.2	971.8	913.2	854.6	839.9	742.1	611.6	546.3	509.2
132.5°	806.6	819.7	872.2	924.7	872.2	819.7	806.6	719.1	602.3	543.8	509.8
135°	759.6	770.9	816.1	861.3	816.1	770.9	759.6	686.2	588.4	539.5	509.2
137.5°	724.9	734.1	771.1	808.1	771.1	734.1	724.9	662.9	580.1	538.7	512.4
140°	696.9	705.5	740.1	774.7	740.1	705.5	696.9	643.4	571.9	536.2	512.9
142.5°	677.4	684.9	714.6	744.4	714.6	684.9	677.4	630.4	567.6	536.2	514.8
145°	648.1	653.7	676.3	698.8	676.3	653.7	648.1	609.6	558.2	532.6	514.9
147.5°	623.4	628.1	646.8	665.5	646.8	628.1	623.4	593.1	552.8	532.6	518.4
150°	609.4	613.1	628.2	643.4	628.2	613.1	609.4	583.8	549.6	532.6	520.2
152.5°	598.1	601.0	612.4	623.9	612.4	601.0	598.1	576.3	547.2	532.6	521.4
155°	584.7	586.6	594.2	601.7	594.2	586.6	584.7	567.3	544.2	532.6	524.1
157.5°	573.1	574.4	579.8	585.0	579.8	574.4	573.1	559.6	541.6	532.6	526.7
160°	567.3	568.1	571.2	574.2	571.2	568.1	567.3	555.7	540.3	532.6	527.9
162.5°	561.9	562.6	565.5	568.4	565.5	562.6	561.9	552.2	539.1	532.6	529.3
165°	553.6	554.4	557.4	560.4	557.4	554.4	553.6	546.6	537.3	532.6	531.0
167.5°	550.0	550.3	551.6	552.9	551.6	550.3	550.0	545.4	539.3	536.2	534.9
170°	550.0	550.0	550.0	550.0	550.0	550.0	550.0	545.4	539.3	536.2	536.1
172.5°	547.1	546.8	545.7	544.5	545.7	546.8	547.1	543.5	538.7	536.2	536.2
175°	543.1	543.1	543.1	543.1	543.1	543.1	543.1	540.8	537.7	536.2	536.9
177.5°	542.4	542.0	540.8	539.5	540.8	542.0	542.4	540.5	538.1	536.9	537.4
180°	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5



TEST NUMBER: P934565  
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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3141.9	3141.9	3141.9	3141.9	3141.9
2.5°	3103.2	3118.1	3127.0	3138.9	3168.6
5°	2984.3	3040.8	3058.6	3103.2	3156.7
7.5°	2722.7	2895.1	2942.7	3049.7	3132.9
10°	2470.0	2642.5	2725.7	2978.3	3103.2
12.5°	2342.3	2443.3	2499.8	2853.5	3061.6
15°	2262.0	2333.4	2374.9	2687.1	3014.1
17.5°	2199.6	2250.1	2279.8	2523.6	2948.6
20°	2161.0	2184.7	2211.5	2404.7	2874.3
22.5°	2134.2	2119.3	2140.2	2321.4	2773.2
25°	2116.4	2059.9	2083.7	2256.1	2654.4
27.5°	2131.2	2006.4	2015.3	2196.6	2529.5
30°	2134.2	1941.0	1943.9	2134.2	2389.9
32.5°	2113.4	1872.6	1875.6	2056.9	2232.3
35°	2062.9	1792.3	1789.4	1967.7	2018.2
37.5°	1994.4	1706.2	1706.2	1869.6	1783.5
40°	1911.3	1619.9	1628.9	1741.8	1575.4
42.5°	1810.2	1527.8	1539.7	1572.4	1420.8
45°	1700.2	1438.7	1447.5	1328.7	1301.9
47.5°	1578.4	1346.5	1349.5	1102.8	1263.3
50°	1432.7	1251.4	1239.5	945.2	1260.3
52.5°	1304.9	1147.3	1111.7	856.1	1144.3
55°	1180.1	1037.4	960.1	787.7	1061.2
57.5°	1070.0	894.7	820.4	707.5	1043.3
60°	969.0	755.0	698.5	621.2	957.1
62.5°	885.8	651.0	639.1	561.8	867.9
65°	796.6	579.6	576.6	511.3	737.2
67.5°	710.4	532.1	529.1	463.7	561.8
70°	618.2	481.6	475.6	413.2	416.1
72.5°	523.1	425.1	419.1	371.5	344.8
75°	428.0	359.7	356.7	324.0	279.4
77.5°	335.9	285.4	291.3	261.6	205.1
80°	240.7	208.1	214.0	187.3	154.6
82.5°	160.6	136.8	142.6	118.9	104.0
85°	89.1	77.3	80.3	62.4	47.5
87.5°	41.6	35.7	35.7	23.8	14.8
90°	15.9	10.1	9.4	6.5	3.6
92.5°	98.3	69.9	63.8	39.1	14.5
95°	241.7	136.1	124.9	79.8	34.8
97.5°	325.6	149.5	139.6	99.8	60.1
100°	356.2	160.7	151.7	115.7	79.7
102.5°	370.1	172.0	163.5	130.0	96.3
105°	380.6	188.7	181.5	153.0	124.5
107.5°	382.4	213.3	206.6	180.1	153.5
110°	379.6	227.0	221.1	197.0	173.0



TEST NUMBER: P934565

CATALOG NUMBER: SQ4-FA-050U-125D-93050-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	379.7	243.6	237.9	215.1	192.3
115°	383.2	268.7	263.4	242.3	221.2
117.5°	390.3	292.9	288.1	268.9	249.8
120°	396.1	307.1	302.6	284.5	266.5
122.5°	404.4	323.7	319.1	300.9	282.7
125°	415.6	345.0	340.9	324.3	307.8
127.5°	426.9	365.6	361.4	344.7	328.0
130°	435.0	379.4	374.9	356.9	338.8
132.5°	441.7	390.7	386.2	368.1	350.1
135°	448.9	403.7	399.5	383.2	366.8
137.5°	459.8	420.4	416.3	400.1	383.8
140°	466.5	431.6	427.8	412.9	397.9
142.5°	472.0	439.9	436.4	422.6	408.8
145°	479.3	452.6	449.6	437.5	425.4
147.5°	489.8	468.5	465.6	453.8	442.0
150°	495.4	476.8	474.2	463.6	452.9
152.5°	499.1	482.3	480.3	472.3	464.2
155°	507.0	494.2	492.7	486.8	480.8
157.5°	514.9	506.2	504.7	498.9	493.1
160°	518.6	511.6	510.5	506.0	501.4
162.5°	522.5	517.4	516.5	513.2	509.8
165°	527.9	525.7	524.9	521.9	518.8
167.5°	532.3	530.4	530.1	528.6	527.2
170°	535.9	535.9	535.5	534.0	532.6
172.5°	536.2	536.2	536.1	535.9	535.5
175°	538.4	539.5	539.5	539.5	539.5
177.5°	538.6	539.5	539.5	539.5	539.5
180°	539.5	539.5	539.5	539.5	539.5



TEST NUMBER: P934565  
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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	15.78	16.86	16.55	17.65	18.60	18.62	19.70	19.39	20.48	21.44
	3H	16.28	17.24	17.05	18.04	19.02	19.99	20.95	20.76	21.75	22.73
	4H	16.48	17.39	17.27	18.19	19.19	20.44	21.35	21.24	22.16	23.15
	6H	16.61	17.45	17.42	18.26	19.27	20.74	21.58	21.55	22.39	23.40
	8H	16.61	17.41	17.43	18.25	19.26	20.82	21.62	21.64	22.45	23.46
	12H	16.59	17.36	17.42	18.18	19.22	20.87	21.63	21.69	22.46	23.49
4H	2H	16.84	17.75	17.64	18.56	19.56	19.06	19.97	19.86	20.77	21.77
	3H	17.89	18.65	18.70	19.49	20.50	20.58	21.34	21.40	22.18	23.19
	4H	18.18	18.87	19.00	19.70	20.74	21.12	21.81	21.95	22.65	23.69
	6H	18.31	18.91	19.16	19.77	20.82	21.50	22.10	22.34	22.96	24.01
	8H	18.32	18.88	19.17	19.74	20.80	21.61	22.17	22.46	23.03	24.09
	12H	18.30	18.80	19.17	19.68	20.74	21.68	22.18	22.55	23.06	24.13
8H	4H	18.65	19.21	19.49	20.06	21.12	21.26	21.82	22.11	22.68	23.74
	6H	18.92	19.38	19.79	20.28	21.34	21.71	22.17	22.59	23.07	24.13
	8H	18.96	19.37	19.85	20.27	21.34	21.87	22.28	22.75	23.17	24.25
	12H	18.96	19.32	19.84	20.20	21.33	21.98	22.34	22.86	23.22	24.35
12H	4H	18.66	19.17	19.53	20.04	21.11	21.24	21.74	22.10	22.62	23.68
	6H	18.98	19.39	19.87	20.29	21.36	21.71	22.12	22.59	23.01	24.09
	8H	19.06	19.42	19.95	20.30	21.43	21.88	22.24	22.77	23.13	24.26