

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: P934544

Luminaire Tested: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

**Test Information**

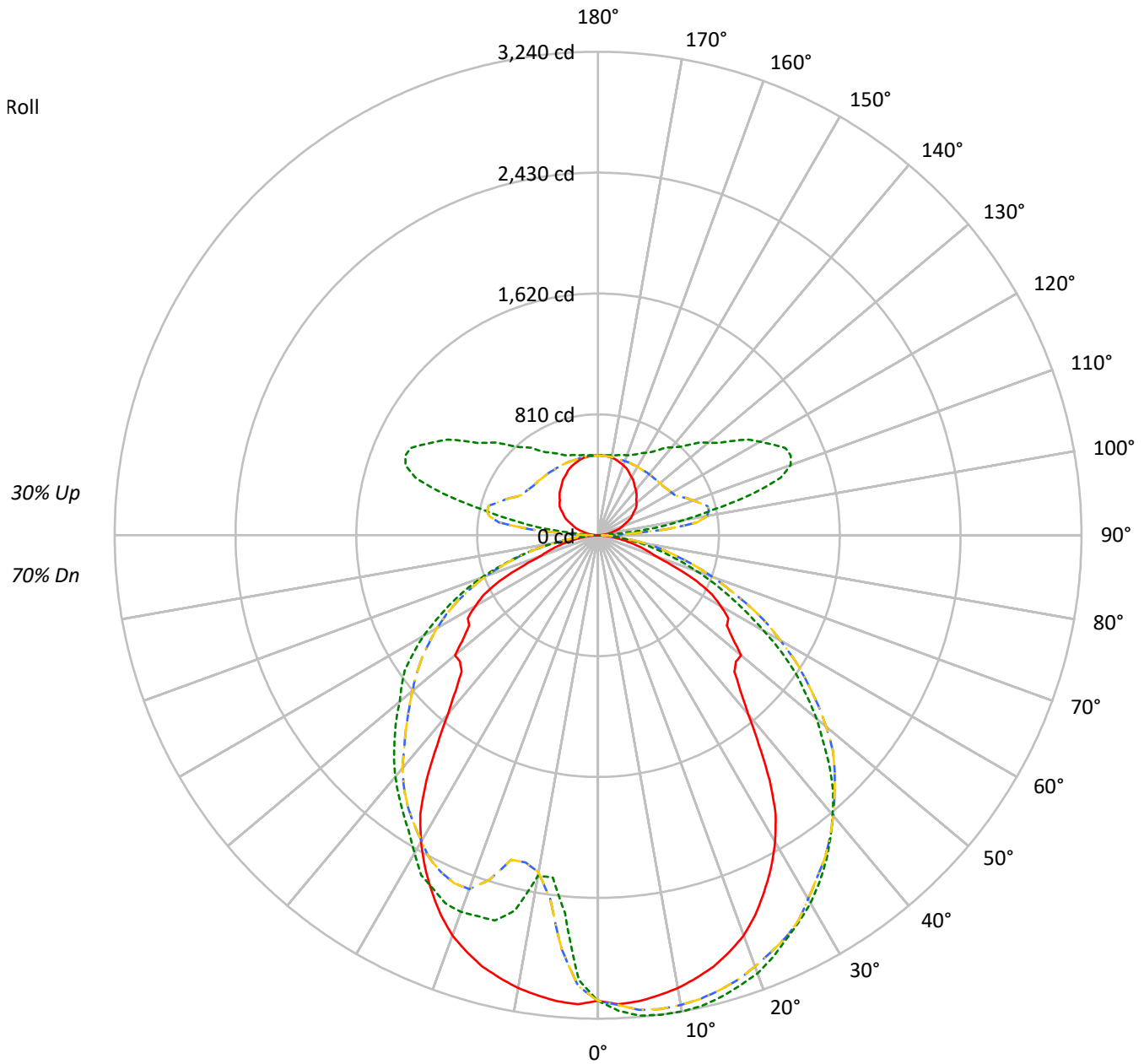
Test Method: LM-79-2019  
Report Number: P934544  
REPORT IS A COMBINATION OF REPORTS P933704 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-8-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11562.3 lumens  
Efficiency: N/A  
Efficacy: 103.2 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

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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°    - · - 135°-315°



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

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

	0°	90°	180°	270°
0°	14473	14473	14473	14473
5°	14581	14610	14581	11488
10°	14484	14391	14484	10289
15°	14326	14079	14326	11757
20°	14026	13710	14026	11781
25°	13414	13171	13414	11532
30°	12621	12724	12621	10984
35°	11251	12158	11251	10381
40°	9375	11493	9375	9926
45°	8377	10713	8377	9402
50°	8899	9783	8899	8877
55°	8373	8781	8373	8574
60°	8631	7458	8631	7853
65°	7825	6165	7825	6892
70°	5419	4913	5419	5777
75°	4751	3632	4751	4349
80°	3830	2401	3830	2615
85°	2199	1272	2199	1082

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 12838 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	281.6	2.4
10°-20°	799.5	6.9
20°-30°	1235.9	10.7
30°-40°	1475.4	12.8
40°-50°	1484.0	12.8
50°-60°	1291.3	11.2
60°-70°	915.5	7.9
70°-80°	484.4	4.2
80°-90°	122.7	1.1
90°-100°	261.1	2.3
100°-110°	686.4	5.9
110°-120°	711.7	6.2
120°-130°	570.9	4.9
130°-140°	447.9	3.9
140°-150°	343.8	3.0
150°-160°	247.6	2.1
160°-170°	151.5	1.3
170°-180°	51.2	0.4
0°-30°	2316.9	20.0
0°-40°	3792.3	32.8
0°-60°	6567.6	56.8
0°-90°	8090.2	70.0
90°-120°	1659.2	14.4
90°-150°	3021.9	26.1
90°-180°	3472.0	30.0
0°-180°	11562.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3119	3119	3119	3119	3119	
5°	3134	3232	3134	2541	3134	297
15°	2993	3202	2993	2674	2993	842
25°	2636	2987	2636	2615	2636	1210
35°	2004	2665	2004	2275	2004	1240
45°	1293	2196	1293	1927	1293	1035
55°	1054	1620	1054	1582	1054	968
65°	732	977	732	1092	732	699
75°	277	463	277	555	277	292
85°	47	118	47	100	47	64
90°	4	14	4	14	4	5
95°	34	158	34	158	34	38
105°	124	1075	124	1075	124	131
115°	220	1384	220	1384	220	217
125°	306	1102	306	1102	306	271
135°	364	855	364	855	364	282
145°	422	694	422	694	422	265
155°	477	597	477	597	477	219
165°	515	556	515	556	515	145
175°	536	539	536	539	536	51
180°	536	536	536	536	536	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4
2.5°	3145.9	3145.9	3163.7	3169.6	3169.6	3160.8	3151.9	3160.8	3187.3	3196.2	3193.2
5°	3134.2	3157.8	3190.2	3196.2	3202.0	3199.1	3193.2	3199.1	3228.6	3234.5	3237.5
7.5°	3110.5	3154.8	3196.2	3205.0	3213.9	3205.0	3202.0	3208.0	3237.5	3243.4	3243.4
10°	3081.1	3143.1	3190.2	3196.2	3205.0	3196.2	3196.2	3208.0	3237.5	3243.4	3246.3
12.5°	3039.7	3125.3	3169.6	3175.5	3187.3	3184.3	3181.4	3193.2	3222.7	3228.6	3228.6
15°	2992.6	3092.8	3134.2	3140.1	3160.8	3154.8	3154.8	3166.6	3199.1	3208.0	3205.0
17.5°	2927.6	3051.5	3098.8	3107.6	3122.4	3119.4	3122.4	3134.2	3163.7	3169.6	3172.5
20°	2853.8	2995.4	3051.5	3060.4	3075.1	3075.1	3075.1	3089.9	3119.4	3131.2	3131.2
22.5°	2753.4	2936.5	2995.4	3001.4	3019.1	3019.1	3025.0	3045.7	3072.2	3075.1	3075.1
25°	2635.5	2871.5	2921.7	2939.4	2957.1	2966.0	2974.9	2986.6	2995.4	2992.6	2995.4
27.5°	2511.5	2788.9	2853.8	2865.6	2889.2	2898.1	2909.9	2912.9	2915.8	2924.6	2918.7
30°	2372.8	2673.8	2771.1	2783.0	2821.4	2827.2	2815.4	2821.4	2836.1	2842.0	2847.9
32.5°	2216.4	2502.7	2685.6	2712.2	2747.6	2729.9	2726.9	2735.7	2759.4	2759.4	2765.3
35°	2003.8	2369.8	2605.9	2629.5	2656.0	2635.5	2647.2	2650.2	2664.9	2673.8	2670.9
37.5°	1770.8	2254.7	2523.3	2541.0	2561.7	2535.1	2552.8	2561.7	2573.5	2567.5	2567.5
40°	1564.2	2074.7	2425.9	2437.7	2455.4	2434.7	2452.4	2458.4	2464.3	2458.4	2455.4
42.5°	1410.7	1877.0	2322.6	2337.3	2325.5	2340.3	2346.2	2358.0	2349.2	2337.3	2337.3
45°	1292.6	1823.9	2210.4	2228.1	2210.4	2234.1	2243.0	2243.0	2216.4	2210.4	2207.5
47.5°	1254.2	1717.6	2098.3	2098.3	2089.5	2119.0	2133.7	2113.0	2086.5	2077.6	2077.6
50°	1251.3	1599.6	1944.8	1933.0	1974.4	2009.8	1995.0	1974.4	1953.7	1921.3	1921.3
52.5°	1136.2	1454.9	1747.1	1791.4	1856.3	1877.0	1853.3	1832.7	1797.3	1782.5	1770.8
55°	1053.6	1304.5	1567.1	1655.6	1723.5	1750.1	1705.8	1685.1	1632.0	1623.2	1617.3
57.5°	1035.9	1086.0	1401.8	1513.9	1596.6	1593.6	1567.1	1528.8	1484.5	1475.6	1472.7
60°	950.3	785.0	1224.8	1357.6	1443.1	1434.3	1410.7	1375.3	1334.0	1328.0	1322.2
62.5°	861.7	569.6	1024.0	1174.5	1295.6	1292.6	1271.9	1218.8	1189.4	1174.5	1162.8
65°	731.9	478.1	728.9	976.9	1151.0	1156.8	1112.6	1074.3	1041.7	1024.0	1021.2
67.5°	557.8	389.5	492.9	814.6	1012.3	1006.3	950.3	932.6	891.3	882.4	864.7
70°	413.2	259.7	342.4	661.1	876.5	861.7	817.4	796.9	758.5	737.8	726.0
72.5°	342.4	209.5	250.9	513.5	737.8	720.1	681.8	658.1	625.7	608.0	596.1
75°	277.4	221.3	191.8	380.7	599.1	587.3	551.9	528.3	501.7	478.1	481.0
77.5°	203.6	206.6	153.5	280.4	475.2	457.5	436.8	407.2	395.5	371.8	371.8
80°	153.5	162.3	115.1	191.8	342.4	342.4	324.7	304.0	283.3	271.6	271.6
82.5°	103.2	103.2	85.5	121.0	233.2	224.3	212.5	206.6	194.8	188.9	188.9
85°	47.2	59.0	53.1	73.8	126.9	132.8	132.8	126.9	123.9	118.1	121.0
87.5°	14.7	26.6	32.4	41.3	65.0	67.8	70.8	70.8	70.8	73.8	73.8
90°	3.6	6.5	9.3	10.0	15.8	23.5	27.3	24.2	18.2	13.7	13.7
92.5°	14.4	38.8	63.3	69.4	97.6	135.1	153.8	134.8	96.8	68.3	65.6
95°	34.5	79.3	124.0	135.2	240.0	379.8	449.7	401.3	304.5	231.9	223.7
97.5°	59.6	99.1	138.6	148.4	323.3	556.4	672.9	642.3	581.1	535.3	519.6
100°	79.1	114.8	150.6	159.6	353.6	612.3	741.6	743.8	748.3	751.6	732.9
102.5°	95.7	129.1	162.4	170.7	367.5	629.9	761.0	800.0	878.0	936.4	920.4
105°	123.7	151.9	180.2	187.3	377.9	631.9	758.8	846.2	1021.1	1152.1	1143.5
107.5°	152.4	178.8	205.1	211.7	379.7	603.7	715.7	837.6	1081.4	1264.3	1266.4
110°	171.8	195.6	219.5	225.4	376.9	578.8	679.8	816.0	1088.6	1293.0	1301.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	190.9	213.6	236.2	241.9	377.0	557.1	647.0	786.5	1065.5	1274.7	1288.4
115°	219.7	240.6	261.5	266.8	380.5	532.1	607.9	742.3	1010.9	1212.5	1231.5
117.5°	248.0	267.0	286.0	290.8	387.5	516.4	580.9	702.2	944.7	1126.6	1147.7
120°	264.6	282.5	300.4	304.9	393.3	511.2	570.1	680.9	902.5	1068.7	1089.2
122.5°	280.7	298.8	316.8	321.3	401.5	508.4	561.9	661.6	861.2	1010.9	1031.1
125°	305.6	322.0	338.4	342.5	412.6	506.1	552.9	637.6	807.2	934.3	953.0
127.5°	325.7	342.3	358.8	363.0	423.8	504.8	545.3	618.1	763.6	872.8	888.5
130°	336.4	354.3	372.3	376.7	431.9	505.6	542.4	607.2	736.8	833.9	848.5
132.5°	347.6	365.5	383.4	387.9	438.5	506.1	540.0	598.0	713.9	800.9	813.9
135°	364.2	380.5	396.7	400.8	445.7	505.6	535.6	584.2	681.3	754.1	765.4
137.5°	381.1	397.2	413.3	417.4	456.5	508.7	534.9	576.0	658.1	719.7	728.8
140°	395.0	409.9	424.8	428.5	463.1	509.3	532.4	567.9	638.8	692.0	700.5
142.5°	405.8	419.5	433.3	436.7	468.6	511.1	532.4	563.5	625.9	672.6	680.0
145°	422.4	434.4	446.4	449.4	475.9	511.2	528.8	554.3	605.3	643.5	649.1
147.5°	438.9	450.6	462.3	465.1	486.3	514.7	528.8	548.9	588.9	619.0	623.6
150°	449.7	460.3	470.8	473.4	491.9	516.5	528.8	545.7	579.6	605.0	608.8
152.5°	460.9	468.9	476.8	478.8	495.5	517.7	528.8	543.3	572.1	593.9	596.7
155°	477.4	483.3	489.2	490.7	503.4	520.3	528.8	540.3	563.2	580.5	582.4
157.5°	489.6	495.3	501.1	502.6	511.3	523.0	528.8	537.7	555.6	569.0	570.3
160°	497.8	502.4	506.8	508.0	514.9	524.2	528.8	536.5	551.7	563.2	564.0
162.5°	506.1	509.5	512.8	513.7	518.8	525.5	528.8	535.3	548.2	557.9	558.6
165°	515.1	518.2	521.1	521.9	524.2	527.2	528.8	533.4	542.7	549.6	550.4
167.5°	523.4	524.8	526.3	526.6	528.5	531.1	532.4	535.4	541.5	546.1	546.4
170°	528.8	530.2	531.7	532.0	532.1	532.3	532.4	535.4	541.5	546.1	546.1
172.5°	531.7	532.0	532.3	532.4	532.4	532.4	532.4	534.8	539.6	543.2	542.9
175°	535.6	535.6	535.6	535.6	534.6	533.1	532.4	533.9	536.9	539.2	539.2
177.5°	535.6	535.6	535.6	535.6	534.7	533.6	533.1	534.3	536.6	538.5	538.1
180°	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4
2.5°	3199.1	3190.2	3199.1	3193.2	3196.2	3187.3	3160.8	3151.9	3160.8	3169.6	3169.6
5°	3237.5	3231.6	3237.5	3237.5	3234.5	3228.6	3199.1	3193.2	3199.1	3202.0	3196.2
7.5°	3249.3	3240.4	3249.3	3243.4	3243.4	3237.5	3208.0	3202.0	3205.0	3213.9	3205.0
10°	3249.3	3240.4	3249.3	3246.3	3243.4	3237.5	3208.0	3196.2	3196.2	3205.0	3196.2
12.5°	3234.5	3228.6	3234.5	3228.6	3228.6	3222.7	3193.2	3181.4	3184.3	3187.3	3175.5
15°	3210.9	3202.0	3210.9	3205.0	3208.0	3199.1	3166.6	3154.8	3154.8	3160.8	3140.1
17.5°	3175.5	3163.7	3175.5	3172.5	3169.6	3163.7	3134.2	3122.4	3119.4	3122.4	3107.6
20°	3134.2	3125.3	3134.2	3131.2	3131.2	3119.4	3089.9	3075.1	3075.1	3075.1	3060.4
22.5°	3069.2	3060.4	3069.2	3075.1	3075.1	3072.2	3045.7	3025.0	3019.1	3019.1	3001.4
25°	2995.4	2986.6	2995.4	2995.4	2992.6	2995.4	2986.6	2974.9	2966.0	2957.1	2939.4
27.5°	2924.6	2918.7	2924.6	2918.7	2924.6	2915.8	2912.9	2909.9	2898.1	2889.2	2865.6
30°	2853.8	2847.9	2853.8	2847.9	2842.0	2836.1	2821.4	2815.4	2827.2	2821.4	2783.0
32.5°	2765.3	2759.4	2765.3	2765.3	2759.4	2759.4	2735.7	2726.9	2729.9	2747.6	2712.2
35°	2673.8	2664.9	2673.8	2670.9	2673.8	2664.9	2650.2	2647.2	2635.5	2656.0	2629.5
37.5°	2567.5	2558.7	2567.5	2567.5	2567.5	2573.5	2561.7	2552.8	2535.1	2561.7	2541.0
40°	2458.4	2446.6	2458.4	2455.4	2458.4	2464.3	2458.4	2452.4	2434.7	2455.4	2437.7
42.5°	2334.4	2331.5	2334.4	2337.3	2337.3	2349.2	2358.0	2346.2	2340.3	2325.5	2337.3
45°	2201.6	2195.7	2201.6	2207.5	2210.4	2216.4	2243.0	2243.0	2234.1	2210.4	2228.1
47.5°	2059.9	2045.2	2059.9	2077.6	2077.6	2086.5	2113.0	2133.7	2119.0	2089.5	2098.3
50°	1909.4	1912.4	1909.4	1921.3	1921.3	1953.7	1974.4	1995.0	2009.8	1974.4	1933.0
52.5°	1761.9	1758.9	1761.9	1770.8	1782.5	1797.3	1832.7	1853.3	1877.0	1856.3	1791.4
55°	1614.3	1620.2	1614.3	1617.3	1623.2	1632.0	1685.1	1705.8	1750.1	1723.5	1655.6
57.5°	1466.8	1457.9	1466.8	1472.7	1475.6	1484.5	1528.8	1567.1	1593.6	1596.6	1513.9
60°	1295.6	1283.8	1295.6	1322.2	1328.0	1334.0	1375.3	1410.7	1434.3	1443.1	1357.6
62.5°	1145.1	1124.4	1145.1	1162.8	1174.5	1189.4	1218.8	1271.9	1292.6	1295.6	1174.5
65°	985.7	976.9	985.7	1021.2	1024.0	1041.7	1074.3	1112.6	1156.8	1151.0	976.9
67.5°	841.1	841.1	841.1	864.7	882.4	891.3	932.6	950.3	1006.3	1012.3	814.6
70°	708.3	705.3	708.3	726.0	737.8	758.5	796.9	817.4	861.7	876.5	661.1
72.5°	581.4	578.4	581.4	596.1	608.0	625.7	658.1	681.8	720.1	737.8	513.5
75°	469.2	463.3	469.2	481.0	478.1	501.7	528.3	551.9	587.3	599.1	380.7
77.5°	360.1	360.1	360.1	371.8	371.8	395.5	407.2	436.8	457.5	475.2	280.4
80°	268.6	265.6	268.6	271.6	271.6	283.3	304.0	324.7	342.4	342.4	191.8
82.5°	188.9	183.0	188.9	188.9	188.9	194.8	206.6	212.5	224.3	233.2	121.0
85°	118.1	118.1	118.1	121.0	118.1	123.9	126.9	132.8	132.8	126.9	73.8
87.5°	76.7	73.8	76.7	73.8	73.8	70.8	70.8	70.8	67.8	65.0	41.3
90°	13.7	13.7	13.7	13.7	13.7	18.2	24.2	27.3	23.5	15.8	10.0
92.5°	54.7	43.9	54.7	65.6	68.3	96.8	134.8	153.8	135.1	97.6	69.4
95°	190.7	157.8	190.7	223.7	231.9	304.5	401.3	449.7	379.8	240.0	135.2
97.5°	456.9	394.3	456.9	519.6	535.3	581.1	642.3	672.9	556.4	323.3	148.4
100°	658.4	583.7	658.4	732.9	751.6	748.3	743.8	741.6	612.3	353.6	159.6
102.5°	856.5	792.6	856.5	920.4	936.4	878.0	800.0	761.0	629.9	367.5	170.7
105°	1109.1	1074.8	1109.1	1143.5	1152.1	1021.1	846.2	758.8	631.9	377.9	187.3
107.5°	1274.7	1282.9	1274.7	1266.4	1264.3	1081.4	837.6	715.7	603.7	379.7	211.7
110°	1337.7	1373.5	1337.7	1301.9	1293.0	1088.6	816.0	679.8	578.8	376.9	225.4





TEST NUMBER: P934544

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1343.4	1398.3	1343.4	1288.4	1274.7	1065.5	786.5	647.0	557.1	377.0	241.9
115°	1307.7	1383.9	1307.7	1231.5	1212.5	1010.9	742.3	607.9	532.1	380.5	266.8
117.5°	1232.3	1316.8	1232.3	1147.7	1126.6	944.7	702.2	580.9	516.4	387.5	290.8
120°	1171.3	1253.5	1171.3	1089.2	1068.7	902.5	680.9	570.1	511.2	393.3	304.9
122.5°	1112.1	1193.1	1112.1	1031.1	1010.9	861.2	661.6	561.9	508.4	401.5	321.3
125°	1027.5	1102.2	1027.5	953.0	934.3	807.2	637.6	552.9	506.1	412.6	342.5
127.5°	951.5	1014.4	951.5	888.5	872.8	763.6	618.1	545.3	504.8	423.8	363.0
130°	906.7	964.8	906.7	848.5	833.9	736.8	607.2	542.4	505.6	431.9	376.7
132.5°	866.0	918.1	866.0	813.9	800.9	713.9	598.0	540.0	506.1	438.5	387.9
135°	810.3	855.2	810.3	765.4	754.1	681.3	584.2	535.6	505.6	445.7	400.8
137.5°	765.6	802.4	765.6	728.8	719.7	658.1	576.0	534.9	508.7	456.5	417.4
140°	734.9	769.2	734.9	700.5	692.0	638.8	567.9	532.4	509.3	463.1	428.5
142.5°	709.5	739.0	709.5	680.0	672.6	625.9	563.5	532.4	511.1	468.6	436.7
145°	671.5	693.8	671.5	649.1	643.5	605.3	554.3	528.8	511.2	475.9	449.4
147.5°	642.2	660.7	642.2	623.6	619.0	588.9	548.9	528.8	514.7	486.3	465.1
150°	623.8	638.8	623.8	608.8	605.0	579.6	545.7	528.8	516.5	491.9	473.4
152.5°	608.1	619.4	608.1	596.7	593.9	572.1	543.3	528.8	517.7	495.5	478.8
155°	589.9	597.4	589.9	582.4	580.5	563.2	540.3	528.8	520.3	503.4	490.7
157.5°	575.6	580.9	575.6	570.3	569.0	555.6	537.7	528.8	523.0	511.3	502.6
160°	567.1	570.1	567.1	564.0	563.2	551.7	536.5	528.8	524.2	514.9	508.0
162.5°	561.5	564.4	561.5	558.6	557.9	548.2	535.3	528.8	525.5	518.8	513.7
165°	553.4	556.4	553.4	550.4	549.6	542.7	533.4	528.8	527.2	524.2	521.9
167.5°	547.6	548.9	547.6	546.4	546.1	541.5	535.4	532.4	531.1	528.5	526.6
170°	546.1	546.1	546.1	546.1	546.1	541.5	535.4	532.4	532.3	532.1	532.0
172.5°	541.8	540.7	541.8	542.9	543.2	539.6	534.8	532.4	532.4	532.4	532.4
175°	539.2	539.2	539.2	539.2	539.2	536.9	533.9	532.4	533.1	534.6	535.6
177.5°	536.9	535.6	536.9	538.1	538.5	536.6	534.3	533.1	533.6	534.7	535.6
180°	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6



TEST NUMBER: P934544

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4
2.5°	3163.7	3145.9	3145.9	3116.5	3104.7	3095.8	3081.1	3036.8	3025.0	3013.1	3030.9
5°	3190.2	3157.8	3134.2	3081.1	3036.8	3019.1	2963.0	2856.8	2786.0	2732.8	2703.3
7.5°	3196.2	3154.8	3110.5	3028.0	2921.7	2874.5	2703.3	2508.5	2455.4	2408.2	2378.6
10°	3190.2	3143.1	3081.1	2957.1	2706.3	2623.6	2452.4	2325.5	2293.1	2284.2	2293.1
12.5°	3169.6	3125.3	3039.7	2833.2	2482.0	2425.9	2325.5	2251.8	2245.8	2260.7	2340.3
15°	3134.2	3092.8	2992.6	2667.9	2358.0	2316.7	2245.8	2219.3	2251.8	2355.1	2594.1
17.5°	3098.8	3051.5	2927.6	2505.6	2263.5	2234.1	2183.9	2237.0	2420.0	2558.7	2638.3
20°	3051.5	2995.4	2853.8	2387.5	2195.7	2169.1	2145.6	2384.6	2523.3	2573.5	2617.8
22.5°	2995.4	2936.5	2753.4	2304.9	2124.9	2104.2	2119.0	2467.2	2523.3	2558.7	2597.1
25°	2921.7	2871.5	2635.5	2240.0	2068.8	2045.2	2101.3	2458.4	2490.8	2499.7	2576.4
27.5°	2853.8	2788.9	2511.5	2181.0	2000.9	1992.1	2116.0	2420.0	2443.6	2452.4	2535.1
30°	2771.1	2673.8	2372.8	2119.0	1930.1	1927.1	2119.0	2372.8	2366.9	2390.5	2473.1
32.5°	2685.6	2502.7	2216.4	2042.2	1862.2	1859.3	2098.3	2301.9	2296.1	2328.5	2390.5
35°	2605.9	2369.8	2003.8	1953.7	1776.6	1779.6	2048.1	2219.3	2222.3	2251.8	2290.1
37.5°	2523.3	2254.7	1770.8	1856.3	1694.0	1694.0	1980.2	2142.6	2136.7	2145.6	2198.7
40°	2425.9	2074.7	1564.2	1729.4	1617.3	1608.4	1897.6	2059.9	2039.3	2036.4	2110.1
42.5°	2322.6	1877.0	1410.7	1561.2	1528.8	1516.9	1797.3	1959.6	1921.3	1930.1	2024.5
45°	2210.4	1823.9	1292.6	1319.2	1437.2	1428.4	1688.1	1844.5	1817.9	1841.6	1939.0
47.5°	2098.3	1717.6	1254.2	1094.9	1339.9	1336.9	1567.1	1732.4	1717.6	1741.2	1844.5
50°	1944.8	1599.6	1251.3	938.5	1230.6	1242.5	1422.5	1623.2	1623.2	1643.8	1753.0
52.5°	1747.1	1454.9	1136.2	850.0	1103.7	1139.1	1295.6	1528.8	1534.6	1555.3	1652.7
55°	1567.1	1304.5	1053.6	782.0	953.2	1030.0	1171.7	1431.4	1443.1	1463.8	1552.3
57.5°	1401.8	1086.0	1035.9	702.4	814.6	888.3	1062.4	1336.9	1342.8	1360.5	1446.1
60°	1224.8	785.0	950.3	616.8	693.5	749.6	962.1	1224.8	1245.4	1257.2	1331.0
62.5°	1024.0	569.6	861.7	557.8	634.5	646.4	879.4	1118.5	1145.1	1154.0	1198.2
65°	728.9	478.1	731.9	507.6	572.5	575.5	790.9	1009.3	1032.9	1047.7	1080.1
67.5°	492.9	389.5	557.8	460.3	525.3	528.3	705.3	882.4	914.9	926.7	947.4
70°	342.4	259.7	413.2	410.2	472.2	478.1	613.8	767.3	796.9	805.7	817.4
72.5°	250.9	209.5	342.4	368.9	416.1	422.1	519.4	637.5	666.9	675.8	681.8
75°	191.8	221.3	277.4	321.7	354.1	357.1	424.9	519.4	540.1	546.0	548.9
77.5°	153.5	206.6	203.6	259.7	289.3	283.3	333.5	401.4	419.1	419.1	419.1
80°	115.1	162.3	153.5	185.9	212.5	206.6	239.0	286.3	292.1	298.1	295.1
82.5°	85.5	103.2	103.2	118.1	141.6	135.8	159.4	185.9	185.9	185.9	191.8
85°	53.1	59.0	47.2	62.0	79.7	76.7	88.5	100.4	103.2	103.2	97.4
87.5°	32.4	26.6	14.7	23.6	35.4	35.4	41.3	44.3	41.3	41.3	41.3
90°	9.3	6.5	3.6	6.5	9.3	10.0	15.8	23.5	27.3	24.2	18.2
92.5°	63.3	38.8	14.4	38.8	63.3	69.4	97.6	135.1	153.8	134.8	96.8
95°	124.0	79.3	34.5	79.3	124.0	135.2	240.0	379.8	449.7	401.3	304.5
97.5°	138.6	99.1	59.6	99.1	138.6	148.4	323.3	556.4	672.9	642.3	581.1
100°	150.6	114.8	79.1	114.8	150.6	159.6	353.6	612.3	741.6	743.8	748.3
102.5°	162.4	129.1	95.7	129.1	162.4	170.7	367.5	629.9	761.0	800.0	878.0
105°	180.2	151.9	123.7	151.9	180.2	187.3	377.9	631.9	758.8	846.2	1021.1
107.5°	205.1	178.8	152.4	178.8	205.1	211.7	379.7	603.7	715.7	837.6	1081.4
110°	219.5	195.6	171.8	195.6	219.5	225.4	376.9	578.8	679.8	816.0	1088.6



TEST NUMBER: P934544

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	236.2	213.6	190.9	213.6	236.2	241.9	377.0	557.1	647.0	786.5	1065.5
115°	261.5	240.6	219.7	240.6	261.5	266.8	380.5	532.1	607.9	742.3	1010.9
117.5°	286.0	267.0	248.0	267.0	286.0	290.8	387.5	516.4	580.9	702.2	944.7
120°	300.4	282.5	264.6	282.5	300.4	304.9	393.3	511.2	570.1	680.9	902.5
122.5°	316.8	298.8	280.7	298.8	316.8	321.3	401.5	508.4	561.9	661.6	861.2
125°	338.4	322.0	305.6	322.0	338.4	342.5	412.6	506.1	552.9	637.6	807.2
127.5°	358.8	342.3	325.7	342.3	358.8	363.0	423.8	504.8	545.3	618.1	763.6
130°	372.3	354.3	336.4	354.3	372.3	376.7	431.9	505.6	542.4	607.2	736.8
132.5°	383.4	365.5	347.6	365.5	383.4	387.9	438.5	506.1	540.0	598.0	713.9
135°	396.7	380.5	364.2	380.5	396.7	400.8	445.7	505.6	535.6	584.2	681.3
137.5°	413.3	397.2	381.1	397.2	413.3	417.4	456.5	508.7	534.9	576.0	658.1
140°	424.8	409.9	395.0	409.9	424.8	428.5	463.1	509.3	532.4	567.9	638.8
142.5°	433.3	419.5	405.8	419.5	433.3	436.7	468.6	511.1	532.4	563.5	625.9
145°	446.4	434.4	422.4	434.4	446.4	449.4	475.9	511.2	528.8	554.3	605.3
147.5°	462.3	450.6	438.9	450.6	462.3	465.1	486.3	514.7	528.8	548.9	588.9
150°	470.8	460.3	449.7	460.3	470.8	473.4	491.9	516.5	528.8	545.7	579.6
152.5°	476.8	468.9	460.9	468.9	476.8	478.8	495.5	517.7	528.8	543.3	572.1
155°	489.2	483.3	477.4	483.3	489.2	490.7	503.4	520.3	528.8	540.3	563.2
157.5°	501.1	495.3	489.6	495.3	501.1	502.6	511.3	523.0	528.8	537.7	555.6
160°	506.8	502.4	497.8	502.4	506.8	508.0	514.9	524.2	528.8	536.5	551.7
162.5°	512.8	509.5	506.1	509.5	512.8	513.7	518.8	525.5	528.8	535.3	548.2
165°	521.1	518.2	515.1	518.2	521.1	521.9	524.2	527.2	528.8	533.4	542.7
167.5°	526.3	524.8	523.4	524.8	526.3	526.6	528.5	531.1	532.4	535.4	541.5
170°	531.7	530.2	528.8	530.2	531.7	532.0	532.1	532.3	532.4	535.4	541.5
172.5°	532.3	532.0	531.7	532.0	532.3	532.4	532.4	532.4	532.4	534.8	539.6
175°	535.6	535.6	535.6	535.6	535.6	535.6	534.6	533.1	532.4	533.9	536.9
177.5°	535.6	535.6	535.6	535.6	535.6	535.6	534.7	533.6	533.1	534.3	536.6
180°	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6



TEST NUMBER: P934544

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4
2.5°	3010.3	3001.4	3013.1	2980.7	3013.1	3001.4	3010.3	3030.9	3013.1	3025.0	3036.8
5°	2641.3	2626.6	2579.4	2541.0	2579.4	2626.6	2641.3	2703.3	2732.8	2786.0	2856.8
7.5°	2360.9	2349.2	2337.3	2313.8	2337.3	2349.2	2360.9	2378.6	2408.2	2455.4	2508.5
10°	2299.0	2301.9	2319.6	2316.7	2319.6	2301.9	2299.0	2293.1	2284.2	2293.1	2325.5
12.5°	2458.4	2484.9	2582.3	2576.4	2582.3	2484.9	2458.4	2340.3	2260.7	2245.8	2251.8
15°	2641.3	2650.2	2670.9	2673.8	2670.9	2650.2	2641.3	2594.1	2355.1	2251.8	2219.3
17.5°	2659.0	2662.0	2676.7	2676.7	2676.7	2662.0	2659.0	2638.3	2558.7	2420.0	2237.0
20°	2644.3	2650.2	2679.7	2685.6	2679.7	2650.2	2644.3	2617.8	2573.5	2523.3	2384.6
22.5°	2638.3	2650.2	2673.8	2670.9	2673.8	2650.2	2638.3	2597.1	2558.7	2523.3	2467.2
25°	2608.9	2608.9	2611.8	2614.8	2611.8	2608.9	2608.9	2576.4	2499.7	2490.8	2458.4
27.5°	2546.9	2552.8	2570.5	2567.5	2570.5	2552.8	2546.9	2535.1	2452.4	2443.6	2420.0
30°	2490.8	2484.9	2470.1	2458.4	2470.1	2484.9	2490.8	2473.1	2390.5	2366.9	2372.8
32.5°	2396.3	2381.6	2366.9	2358.0	2366.9	2381.6	2396.3	2390.5	2328.5	2296.1	2301.9
35°	2284.2	2287.2	2284.2	2275.4	2284.2	2287.2	2284.2	2290.1	2251.8	2222.3	2219.3
37.5°	2204.6	2210.4	2207.5	2195.7	2207.5	2210.4	2204.6	2198.7	2145.6	2136.7	2142.6
40°	2121.9	2124.9	2121.9	2113.0	2121.9	2124.9	2121.9	2110.1	2036.4	2039.3	2059.9
42.5°	2042.2	2039.3	2030.4	2024.5	2030.4	2039.3	2042.2	2024.5	1930.1	1921.3	1959.6
45°	1950.7	1953.7	1936.0	1927.1	1936.0	1953.7	1950.7	1939.0	1841.6	1817.9	1844.5
47.5°	1859.3	1859.3	1844.5	1835.6	1844.5	1859.3	1859.3	1844.5	1741.2	1717.6	1732.4
50°	1761.9	1758.9	1738.2	1735.3	1738.2	1758.9	1761.9	1753.0	1643.8	1623.2	1623.2
52.5°	1649.7	1649.7	1652.7	1658.6	1652.7	1649.7	1649.7	1652.7	1555.3	1534.6	1528.8
55°	1552.3	1555.3	1575.9	1581.9	1575.9	1555.3	1552.3	1552.3	1463.8	1443.1	1431.4
57.5°	1452.0	1452.0	1466.8	1466.8	1466.8	1452.0	1452.0	1446.1	1360.5	1342.8	1336.9
60°	1336.9	1342.8	1354.6	1351.7	1354.6	1342.8	1336.9	1331.0	1257.2	1245.4	1224.8
62.5°	1215.9	1221.8	1224.8	1218.8	1224.8	1221.8	1215.9	1198.2	1154.0	1145.1	1118.5
65°	1089.0	1094.9	1097.9	1092.0	1097.9	1094.9	1089.0	1080.1	1047.7	1032.9	1009.3
67.5°	959.2	956.2	953.2	965.1	953.2	956.2	959.2	947.4	926.7	914.9	882.4
70°	826.3	826.3	823.4	829.3	823.4	826.3	826.3	817.4	805.7	796.9	767.3
72.5°	684.7	681.8	693.5	684.7	693.5	681.8	684.7	681.8	675.8	666.9	637.5
75°	546.0	551.9	546.0	554.8	546.0	551.9	546.0	548.9	546.0	540.1	519.4
77.5°	416.1	422.1	416.1	416.1	416.1	422.1	416.1	419.1	419.1	419.1	401.4
80°	295.1	292.1	292.1	289.3	292.1	292.1	295.1	295.1	298.1	292.1	286.3
82.5°	188.9	185.9	185.9	191.8	185.9	185.9	188.9	191.8	185.9	185.9	185.9
85°	103.2	106.2	100.4	100.4	100.4	106.2	103.2	97.4	103.2	103.2	100.4
87.5°	38.4	35.4	35.4	35.4	35.4	35.4	38.4	41.3	41.3	41.3	44.3
90°	13.7	13.7	13.7	13.7	13.7	13.7	13.7	18.2	24.2	27.3	23.5
92.5°	68.3	65.6	54.7	43.9	54.7	65.6	68.3	96.8	134.8	153.8	135.1
95°	231.9	223.7	190.7	157.8	190.7	223.7	231.9	304.5	401.3	449.7	379.8
97.5°	535.3	519.6	456.9	394.3	456.9	519.6	535.3	581.1	642.3	672.9	556.4
100°	751.6	732.9	658.4	583.7	658.4	732.9	751.6	748.3	743.8	741.6	612.3
102.5°	936.4	920.4	856.5	792.6	856.5	920.4	936.4	878.0	800.0	761.0	629.9
105°	1152.1	1143.5	1109.1	1074.8	1109.1	1143.5	1152.1	1021.1	846.2	758.8	631.9
107.5°	1264.3	1266.4	1274.7	1282.9	1274.7	1266.4	1264.3	1081.4	837.6	715.7	603.7
110°	1293.0	1301.9	1337.7	1373.5	1337.7	1301.9	1293.0	1088.6	816.0	679.8	578.8



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1274.7	1288.4	1343.4	1398.3	1343.4	1288.4	1274.7	1065.5	786.5	647.0	557.1
115°	1212.5	1231.5	1307.7	1383.9	1307.7	1231.5	1212.5	1010.9	742.3	607.9	532.1
117.5°	1126.6	1147.7	1232.3	1316.8	1232.3	1147.7	1126.6	944.7	702.2	580.9	516.4
120°	1068.7	1089.2	1171.3	1253.5	1171.3	1089.2	1068.7	902.5	680.9	570.1	511.2
122.5°	1010.9	1031.1	1112.1	1193.1	1112.1	1031.1	1010.9	861.2	661.6	561.9	508.4
125°	934.3	953.0	1027.5	1102.2	1027.5	953.0	934.3	807.2	637.6	552.9	506.1
127.5°	872.8	888.5	951.5	1014.4	951.5	888.5	872.8	763.6	618.1	545.3	504.8
130°	833.9	848.5	906.7	964.8	906.7	848.5	833.9	736.8	607.2	542.4	505.6
132.5°	800.9	813.9	866.0	918.1	866.0	813.9	800.9	713.9	598.0	540.0	506.1
135°	754.1	765.4	810.3	855.2	810.3	765.4	754.1	681.3	584.2	535.6	505.6
137.5°	719.7	728.8	765.6	802.4	765.6	728.8	719.7	658.1	576.0	534.9	508.7
140°	692.0	700.5	734.9	769.2	734.9	700.5	692.0	638.8	567.9	532.4	509.3
142.5°	672.6	680.0	709.5	739.0	709.5	680.0	672.6	625.9	563.5	532.4	511.1
145°	643.5	649.1	671.5	693.8	671.5	649.1	643.5	605.3	554.3	528.8	511.2
147.5°	619.0	623.6	642.2	660.7	642.2	623.6	619.0	588.9	548.9	528.8	514.7
150°	605.0	608.8	623.8	638.8	623.8	608.8	605.0	579.6	545.7	528.8	516.5
152.5°	593.9	596.7	608.1	619.4	608.1	596.7	593.9	572.1	543.3	528.8	517.7
155°	580.5	582.4	589.9	597.4	589.9	582.4	580.5	563.2	540.3	528.8	520.3
157.5°	569.0	570.3	575.6	580.9	575.6	570.3	569.0	555.6	537.7	528.8	523.0
160°	563.2	564.0	567.1	570.1	567.1	564.0	563.2	551.7	536.5	528.8	524.2
162.5°	557.9	558.6	561.5	564.4	561.5	558.6	557.9	548.2	535.3	528.8	525.5
165°	549.6	550.4	553.4	556.4	553.4	550.4	549.6	542.7	533.4	528.8	527.2
167.5°	546.1	546.4	547.6	548.9	547.6	546.4	546.1	541.5	535.4	532.4	531.1
170°	546.1	546.1	546.1	546.1	546.1	546.1	546.1	541.5	535.4	532.4	532.3
172.5°	543.2	542.9	541.8	540.7	541.8	542.9	543.2	539.6	534.8	532.4	532.4
175°	539.2	539.2	539.2	539.2	539.2	539.2	539.2	536.9	533.9	532.4	533.1
177.5°	538.5	538.1	536.9	535.6	536.9	538.1	538.5	536.6	534.3	533.1	533.6
180°	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6



TEST NUMBER: P934544

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3119.4	3119.4	3119.4	3119.4	3119.4
2.5°	3081.1	3095.8	3104.7	3116.5	3145.9
5°	2963.0	3019.1	3036.8	3081.1	3134.2
7.5°	2703.3	2874.5	2921.7	3028.0	3110.5
10°	2452.4	2623.6	2706.3	2957.1	3081.1
12.5°	2325.5	2425.9	2482.0	2833.2	3039.7
15°	2245.8	2316.7	2358.0	2667.9	2992.6
17.5°	2183.9	2234.1	2263.5	2505.6	2927.6
20°	2145.6	2169.1	2195.7	2387.5	2853.8
22.5°	2119.0	2104.2	2124.9	2304.9	2753.4
25°	2101.3	2045.2	2068.8	2240.0	2635.5
27.5°	2116.0	1992.1	2000.9	2181.0	2511.5
30°	2119.0	1927.1	1930.1	2119.0	2372.8
32.5°	2098.3	1859.3	1862.2	2042.2	2216.4
35°	2048.1	1779.6	1776.6	1953.7	2003.8
37.5°	1980.2	1694.0	1694.0	1856.3	1770.8
40°	1897.6	1608.4	1617.3	1729.4	1564.2
42.5°	1797.3	1516.9	1528.8	1561.2	1410.7
45°	1688.1	1428.4	1437.2	1319.2	1292.6
47.5°	1567.1	1336.9	1339.9	1094.9	1254.2
50°	1422.5	1242.5	1230.6	938.5	1251.3
52.5°	1295.6	1139.1	1103.7	850.0	1136.2
55°	1171.7	1030.0	953.2	782.0	1053.6
57.5°	1062.4	888.3	814.6	702.4	1035.9
60°	962.1	749.6	693.5	616.8	950.3
62.5°	879.4	646.4	634.5	557.8	861.7
65°	790.9	575.5	572.5	507.6	731.9
67.5°	705.3	528.3	525.3	460.3	557.8
70°	613.8	478.1	472.2	410.2	413.2
72.5°	519.4	422.1	416.1	368.9	342.4
75°	424.9	357.1	354.1	321.7	277.4
77.5°	333.5	283.3	289.3	259.7	203.6
80°	239.0	206.6	212.5	185.9	153.5
82.5°	159.4	135.8	141.6	118.1	103.2
85°	88.5	76.7	79.7	62.0	47.2
87.5°	41.3	35.4	35.4	23.6	14.7
90°	15.8	10.0	9.3	6.5	3.6
92.5°	97.6	69.4	63.3	38.8	14.4
95°	240.0	135.2	124.0	79.3	34.5
97.5°	323.3	148.4	138.6	99.1	59.6
100°	353.6	159.6	150.6	114.8	79.1
102.5°	367.5	170.7	162.4	129.1	95.7
105°	377.9	187.3	180.2	151.9	123.7
107.5°	379.7	211.7	205.1	178.8	152.4
110°	376.9	225.4	219.5	195.6	171.8



TEST NUMBER: P934544

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-8-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	377.0	241.9	236.2	213.6	190.9
115°	380.5	266.8	261.5	240.6	219.7
117.5°	387.5	290.8	286.0	267.0	248.0
120°	393.3	304.9	300.4	282.5	264.6
122.5°	401.5	321.3	316.8	298.8	280.7
125°	412.6	342.5	338.4	322.0	305.6
127.5°	423.8	363.0	358.8	342.3	325.7
130°	431.9	376.7	372.3	354.3	336.4
132.5°	438.5	387.9	383.4	365.5	347.6
135°	445.7	400.8	396.7	380.5	364.2
137.5°	456.5	417.4	413.3	397.2	381.1
140°	463.1	428.5	424.8	409.9	395.0
142.5°	468.6	436.7	433.3	419.5	405.8
145°	475.9	449.4	446.4	434.4	422.4
147.5°	486.3	465.1	462.3	450.6	438.9
150°	491.9	473.4	470.8	460.3	449.7
152.5°	495.5	478.8	476.8	468.9	460.9
155°	503.4	490.7	489.2	483.3	477.4
157.5°	511.3	502.6	501.1	495.3	489.6
160°	514.9	508.0	506.8	502.4	497.8
162.5°	518.8	513.7	512.8	509.5	506.1
165°	524.2	521.9	521.1	518.2	515.1
167.5°	528.5	526.6	526.3	524.8	523.4
170°	532.1	532.0	531.7	530.2	528.8
172.5°	532.4	532.4	532.3	532.0	531.7
175°	534.6	535.6	535.6	535.6	535.6
177.5°	534.7	535.6	535.6	535.6	535.6
180°	535.6	535.6	535.6	535.6	535.6



TEST NUMBER: P934544  
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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	15.76	16.83	16.52	17.62	18.57	18.60	19.67	19.36	20.46	21.41
	3H	16.25	17.22	17.03	18.01	19.00	19.96	20.93	20.74	21.72	22.71
	4H	16.45	17.36	17.25	18.17	19.16	20.42	21.33	21.21	22.13	23.13
	6H	16.58	17.42	17.39	18.24	19.25	20.71	21.55	21.52	22.37	23.38
	8H	16.59	17.39	17.41	18.22	19.23	20.80	21.60	21.61	22.43	23.44
	12H	16.57	17.33	17.39	18.16	19.19	20.84	21.61	21.67	22.43	23.47
4H	2H	16.82	17.73	17.62	18.53	19.53	19.03	19.94	19.83	20.75	21.74
	3H	17.87	18.62	18.68	19.46	20.48	20.56	21.32	21.37	22.16	23.17
	4H	18.15	18.84	18.98	19.68	20.72	21.10	21.79	21.92	22.63	23.67
	6H	18.29	18.88	19.13	19.75	20.79	21.48	22.07	22.32	22.94	23.98
	8H	18.30	18.86	19.14	19.71	20.77	21.59	22.15	22.44	23.00	24.06
	12H	18.28	18.78	19.14	19.66	20.72	21.66	22.16	22.52	23.04	24.10
8H	4H	18.62	19.18	19.47	20.04	21.10	21.24	21.80	22.09	22.65	23.71
	6H	18.89	19.35	19.77	20.25	21.31	21.69	22.15	22.56	23.05	24.11
	8H	18.94	19.35	19.82	20.24	21.32	21.84	22.25	22.73	23.15	24.22
	12H	18.93	19.29	19.82	20.18	21.31	21.95	22.31	22.84	23.20	24.33
12H	4H	18.64	19.14	19.51	20.02	21.08	21.21	21.72	22.08	22.59	23.66
	6H	18.96	19.37	19.84	20.26	21.34	21.69	22.10	22.57	22.99	24.06
	8H	19.03	19.39	19.92	20.28	21.41	21.86	22.22	22.75	23.10	24.23