

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: P934992

Luminaire Tested: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-8-2700K

Issue Date: 12/17/2024

**Test Information**

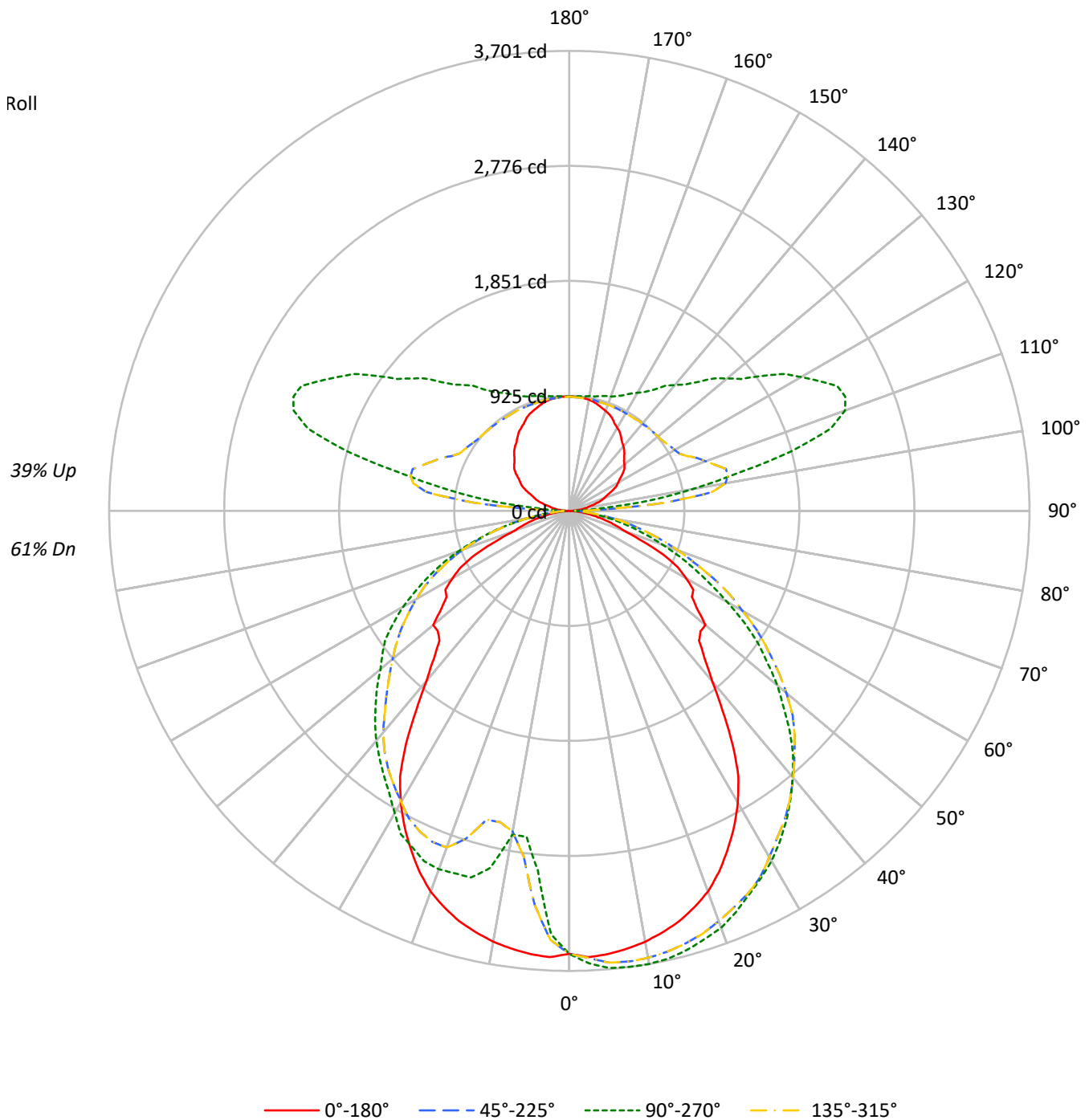
Test Method: LM-79-2019  
Report Number: P934992  
REPORT IS A COMBINATION OF REPORTS P933720 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-8-2700K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15206.0 lumens  
Efficiency: N/A  
Efficacy: 122.6 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: Semi-Direct  
  
Input Watts (W): 124  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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

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

	0°	90°	180°	270°
0°	16530	16530	16530	16530
5°	16654	16687	16654	13121
10°	16543	16437	16543	11752
15°	16363	16081	16363	13428
20°	16020	15659	16020	13456
25°	15320	15044	15320	13171
30°	14415	14533	14415	12545
35°	12851	13887	12851	11857
40°	10708	13126	10708	11337
45°	9568	12236	9568	10739
50°	10164	11174	10164	10139
55°	9563	10030	9563	9792
60°	9857	8518	9857	8969
65°	8937	7041	8937	7871
70°	6189	5612	6189	6598
75°	5426	4148	5426	4967
80°	4374	2743	4374	2987
85°	2511	1453	2511	1235

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 14664 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	321.6	2.1
10°-20°	913.1	6.0
20°-30°	1411.6	9.3
30°-40°	1685.1	11.1
40°-50°	1695.0	11.1
50°-60°	1474.8	9.7
60°-70°	1045.7	6.9
70°-80°	553.2	3.6
80°-90°	141.3	0.9
90°-100°	448.5	2.9
100°-110°	1179.1	7.8
110°-120°	1222.6	8.0
120°-130°	980.7	6.4
130°-140°	769.5	5.1
140°-150°	590.6	3.9
150°-160°	425.3	2.8
160°-170°	260.3	1.7
170°-180°	87.9	0.6
0°-30°	2646.3	17.4
0°-40°	4331.4	28.5
0°-60°	7501.2	49.3
0°-90°	9241.4	60.8
90°-120°	2850.2	18.7
90°-150°	5191.0	34.1
90°-180°	5965.0	39.2
0°-180°	15206.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3563	3563	3563	3563	3563	
5°	3580	3691	3580	2902	3580	340
15°	3418	3657	3418	3054	3418	962
25°	3010	3411	3010	2986	3010	1382
35°	2289	3044	2289	2599	2289	1416
45°	1476	2508	1476	2201	1476	1183
55°	1203	1851	1203	1807	1203	1106
65°	836	1116	836	1247	836	799
75°	317	529	317	634	317	333
85°	54	135	54	115	54	73
90°	6	24	6	24	6	7
95°	59	271	59	271	59	66
105°	212	1846	212	1846	212	225
115°	377	2377	377	2377	377	373
125°	525	1893	525	1893	525	466
135°	626	1469	626	1469	626	484
145°	726	1192	726	1192	726	455
155°	820	1026	820	1026	820	377
165°	885	956	885	956	885	250
175°	920	926	920	926	920	87
180°	920	920	920	920	920	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9
2.5°	3593.2	3593.2	3613.4	3620.2	3620.2	3610.1	3599.9	3610.1	3640.4	3650.5	3647.2
5°	3579.7	3606.7	3643.8	3650.5	3657.2	3653.9	3647.2	3653.9	3687.6	3694.4	3697.7
7.5°	3552.7	3603.3	3650.5	3660.6	3670.8	3660.6	3657.2	3664.0	3697.7	3704.4	3704.4
10°	3519.1	3589.9	3643.8	3650.5	3660.6	3650.5	3650.5	3664.0	3697.7	3704.4	3707.8
12.5°	3471.9	3569.6	3620.2	3626.9	3640.4	3637.0	3633.7	3647.2	3680.8	3687.6	3687.6
15°	3418.0	3532.5	3579.7	3586.5	3610.1	3603.3	3603.3	3616.8	3653.9	3664.0	3660.6
17.5°	3343.8	3485.3	3539.3	3549.3	3566.3	3562.9	3566.3	3579.7	3613.4	3620.2	3623.5
20°	3259.5	3421.3	3485.3	3495.5	3512.3	3512.3	3512.3	3529.1	3562.9	3576.3	3576.3
22.5°	3144.9	3353.9	3421.3	3428.0	3448.3	3448.3	3455.0	3478.6	3508.9	3512.3	3512.3
25°	3010.1	3279.7	3337.0	3357.2	3377.4	3387.6	3397.8	3411.2	3421.3	3418.0	3421.3
27.5°	2868.5	3185.3	3259.5	3273.0	3299.9	3310.1	3323.6	3326.9	3330.3	3340.4	3333.6
30°	2710.1	3053.9	3165.1	3178.6	3222.5	3229.1	3215.7	3222.5	3239.3	3246.1	3252.7
32.5°	2531.4	2858.4	3067.4	3097.8	3138.2	3118.0	3114.6	3124.7	3151.6	3151.6	3158.4
35°	2288.7	2706.7	2976.3	3003.3	3033.6	3010.1	3023.6	3026.9	3043.8	3053.9	3050.5
37.5°	2022.5	2575.3	2882.0	2902.2	2925.8	2895.5	2915.7	2925.8	2939.3	2932.5	2932.5
40°	1786.5	2369.6	2770.8	2784.2	2804.4	2780.8	2801.1	2807.8	2814.6	2807.8	2804.4
42.5°	1611.2	2143.8	2652.7	2669.6	2656.1	2673.0	2679.7	2693.2	2683.1	2669.6	2669.6
45°	1476.4	2083.1	2524.7	2544.9	2524.7	2551.7	2561.8	2561.8	2531.4	2524.7	2521.3
47.5°	1432.5	1961.7	2396.6	2396.6	2386.5	2420.2	2437.0	2413.4	2383.1	2373.0	2373.0
50°	1429.2	1827.0	2221.3	2207.8	2255.0	2295.5	2278.6	2255.0	2231.4	2194.4	2194.4
52.5°	1297.7	1661.7	1995.5	2046.1	2120.2	2143.8	2116.8	2093.2	2052.8	2035.9	2022.5
55°	1203.4	1489.9	1789.9	1891.0	1968.5	1998.9	1948.3	1924.7	1864.0	1854.0	1847.2
57.5°	1183.1	1240.4	1601.1	1729.2	1823.6	1820.2	1789.9	1746.1	1695.5	1685.3	1682.0
60°	1085.3	896.6	1398.9	1550.6	1648.3	1638.2	1611.2	1570.8	1523.6	1516.8	1510.1
62.5°	984.2	650.6	1169.6	1341.5	1479.8	1476.4	1452.8	1392.1	1358.4	1341.5	1328.1
65°	835.9	546.1	832.6	1115.7	1314.6	1321.3	1270.8	1227.0	1189.8	1169.6	1166.3
67.5°	637.0	444.9	562.9	930.4	1156.2	1149.4	1085.3	1065.1	1018.0	1007.9	987.6
70°	471.9	296.6	391.0	755.1	1001.1	984.2	933.7	910.1	866.3	842.7	829.2
72.5°	391.0	239.3	286.5	586.5	842.7	822.5	778.7	751.7	714.6	694.4	680.9
75°	316.8	252.8	219.1	434.9	684.3	670.8	630.4	603.4	573.0	546.1	549.4
77.5°	232.6	236.0	175.3	320.2	542.7	522.5	498.9	465.1	451.7	424.7	424.7
80°	175.3	185.4	131.5	219.1	391.0	391.0	370.8	347.2	323.6	310.2	310.2
82.5°	117.9	117.9	97.7	138.2	266.3	256.2	242.7	236.0	222.5	215.7	215.7
85°	53.9	67.4	60.7	84.3	144.9	151.7	151.7	144.9	141.5	134.9	138.2
87.5°	16.8	30.4	37.1	47.2	74.2	77.5	80.9	80.9	80.9	84.3	84.3
90°	6.2	11.2	16.1	17.3	27.2	40.3	46.9	41.7	31.3	23.5	23.5
92.5°	24.7	66.7	108.8	119.2	167.6	232.1	264.3	231.7	166.3	117.3	112.6
95°	59.3	136.2	212.9	232.2	412.2	652.4	772.5	689.3	523.0	398.3	384.2
97.5°	102.5	170.3	238.1	255.1	555.4	955.8	1156.0	1103.4	998.3	919.5	892.6
100°	135.9	197.3	258.9	274.2	607.5	1051.8	1273.9	1277.8	1285.4	1291.2	1259.1
102.5°	164.2	221.6	279.0	293.3	631.3	1082.0	1307.2	1374.2	1508.1	1608.6	1581.2
105°	212.4	261.1	309.6	321.7	649.0	1085.3	1303.6	1453.7	1753.9	1979.1	1964.3
107.5°	261.8	307.2	352.4	363.7	652.3	1037.0	1229.5	1438.8	1857.6	2171.8	2175.4
110°	295.2	336.1	376.9	387.1	647.3	994.2	1167.7	1401.8	1870.0	2221.2	2236.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	327.9	366.8	405.8	415.5	647.5	956.9	1111.5	1351.2	1830.3	2189.7	2213.3
115°	377.3	413.2	449.2	458.2	653.5	913.9	1044.2	1275.0	1736.6	2082.8	2115.6
117.5°	426.1	458.8	491.4	499.6	665.7	887.1	997.9	1206.2	1622.8	1935.2	1971.5
120°	454.5	485.2	515.9	523.6	675.5	878.1	979.4	1169.7	1550.4	1835.8	1871.1
122.5°	482.3	513.3	544.3	552.1	689.7	873.3	965.1	1136.5	1479.4	1736.4	1771.2
125°	524.9	553.2	581.4	588.4	708.9	869.4	949.7	1095.3	1386.4	1604.9	1636.9
127.5°	559.5	588.0	616.5	623.7	728.1	867.2	936.7	1061.7	1311.7	1499.3	1526.3
130°	578.0	608.7	639.4	647.1	742.0	868.6	931.9	1043.1	1265.7	1432.6	1457.6
132.5°	597.1	627.9	658.7	666.3	753.4	869.4	927.5	1027.1	1226.4	1375.8	1398.2
135°	625.5	653.5	681.6	688.5	765.7	868.6	920.1	1003.6	1170.4	1295.5	1314.8
137.5°	654.6	682.3	709.9	716.9	784.3	874.0	918.8	989.3	1130.5	1236.2	1252.0
140°	678.7	704.2	729.7	736.0	795.5	874.9	914.5	975.5	1097.3	1188.7	1203.5
142.5°	697.2	720.8	744.4	750.3	805.1	878.1	914.5	968.0	1075.1	1155.4	1168.0
145°	725.6	746.2	766.7	771.9	817.4	878.1	908.4	952.2	1039.7	1105.4	1114.9
147.5°	754.0	774.0	794.1	799.1	835.5	884.0	908.4	942.8	1011.6	1063.3	1071.3
150°	772.5	790.6	808.8	813.2	844.9	887.2	908.4	937.4	995.6	1039.2	1045.7
152.5°	791.6	805.4	819.1	822.5	851.1	889.2	908.4	933.2	982.9	1020.1	1025.0
155°	820.0	830.2	840.3	842.9	864.7	893.8	908.4	928.1	967.6	997.3	1000.5
157.5°	841.0	850.9	860.7	863.2	878.3	898.3	908.4	923.7	954.5	977.5	979.8
160°	855.3	862.9	870.6	872.5	884.4	900.4	908.4	921.5	947.9	967.6	968.9
162.5°	869.4	875.2	881.0	882.5	891.1	902.6	908.4	919.5	941.7	958.4	959.5
165°	884.8	890.0	895.3	896.6	900.5	905.8	908.4	916.3	932.3	944.2	945.5
167.5°	899.1	901.6	904.1	904.7	908.0	912.3	914.5	919.7	930.2	938.0	938.5
170°	908.4	910.8	913.3	913.9	914.1	914.4	914.5	919.7	930.2	938.0	938.0
172.5°	913.3	913.8	914.4	914.5	914.5	914.5	914.5	918.6	926.9	933.1	932.6
175°	920.1	920.1	920.1	920.1	918.2	915.7	914.5	917.1	922.4	926.3	926.3
177.5°	920.1	920.1	920.1	920.1	918.6	916.7	915.7	917.8	921.9	925.0	924.5
180°	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9
2.5°	3653.9	3643.8	3653.9	3647.2	3650.5	3640.4	3610.1	3599.9	3610.1	3620.2	3620.2
5°	3697.7	3691.0	3697.7	3697.7	3694.4	3687.6	3653.9	3647.2	3653.9	3657.2	3650.5
7.5°	3711.2	3701.0	3711.2	3704.4	3704.4	3697.7	3664.0	3657.2	3660.6	3670.8	3660.6
10°	3711.2	3701.0	3711.2	3707.8	3704.4	3697.7	3664.0	3650.5	3650.5	3660.6	3650.5
12.5°	3694.4	3687.6	3694.4	3687.6	3687.6	3680.8	3647.2	3633.7	3637.0	3640.4	3626.9
15°	3667.4	3657.2	3667.4	3660.6	3664.0	3653.9	3616.8	3603.3	3603.3	3610.1	3586.5
17.5°	3626.9	3613.4	3626.9	3623.5	3620.2	3613.4	3579.7	3566.3	3562.9	3566.3	3549.3
20°	3579.7	3569.6	3579.7	3576.3	3576.3	3562.9	3529.1	3512.3	3512.3	3512.3	3495.5
22.5°	3505.5	3495.5	3505.5	3512.3	3512.3	3508.9	3478.6	3455.0	3448.3	3448.3	3428.0
25°	3421.3	3411.2	3421.3	3421.3	3418.0	3421.3	3411.2	3397.8	3387.6	3377.4	3357.2
27.5°	3340.4	3333.6	3340.4	3333.6	3340.4	3330.3	3326.9	3323.6	3310.1	3299.9	3273.0
30°	3259.5	3252.7	3259.5	3252.7	3246.1	3239.3	3222.5	3215.7	3229.1	3222.5	3178.6
32.5°	3158.4	3151.6	3158.4	3158.4	3151.6	3151.6	3124.7	3114.6	3118.0	3138.2	3097.8
35°	3053.9	3043.8	3053.9	3050.5	3053.9	3043.8	3026.9	3023.6	3010.1	3033.6	3003.3
37.5°	2932.5	2922.5	2932.5	2932.5	2932.5	2939.3	2925.8	2915.7	2895.5	2925.8	2902.2
40°	2807.8	2794.4	2807.8	2804.4	2807.8	2814.6	2807.8	2801.1	2780.8	2804.4	2784.2
42.5°	2666.3	2662.9	2666.3	2669.6	2669.6	2683.1	2693.2	2679.7	2673.0	2656.1	2669.6
45°	2514.6	2507.8	2514.6	2521.3	2524.7	2531.4	2561.8	2561.8	2551.7	2524.7	2544.9
47.5°	2352.8	2335.9	2352.8	2373.0	2373.0	2383.1	2413.4	2437.0	2420.2	2386.5	2396.6
50°	2180.8	2184.2	2180.8	2194.4	2194.4	2231.4	2255.0	2278.6	2295.5	2255.0	2207.8
52.5°	2012.3	2008.9	2012.3	2022.5	2035.9	2052.8	2093.2	2116.8	2143.8	2120.2	2046.1
55°	1843.8	1850.6	1843.8	1847.2	1854.0	1864.0	1924.7	1948.3	1998.9	1968.5	1891.0
57.5°	1675.3	1665.1	1675.3	1682.0	1685.3	1695.5	1746.1	1789.9	1820.2	1823.6	1729.2
60°	1479.8	1466.3	1479.8	1510.1	1516.8	1523.6	1570.8	1611.2	1638.2	1648.3	1550.6
62.5°	1307.8	1284.2	1307.8	1328.1	1341.5	1358.4	1392.1	1452.8	1476.4	1479.8	1341.5
65°	1125.8	1115.7	1125.8	1166.3	1169.6	1189.8	1227.0	1270.8	1321.3	1314.6	1115.7
67.5°	960.6	960.6	960.6	987.6	1007.9	1018.0	1065.1	1085.3	1149.4	1156.2	930.4
70°	809.0	805.6	809.0	829.2	842.7	866.3	910.1	933.7	984.2	1001.1	755.1
72.5°	664.0	660.6	664.0	680.9	694.4	714.6	751.7	778.7	822.5	842.7	586.5
75°	535.9	529.2	535.9	549.4	546.1	573.0	603.4	630.4	670.8	684.3	434.9
77.5°	411.2	411.2	411.2	424.7	424.7	451.7	465.1	498.9	522.5	542.7	320.2
80°	306.8	303.4	306.8	310.2	310.2	323.6	347.2	370.8	391.0	391.0	219.1
82.5°	215.7	209.0	215.7	215.7	215.7	222.5	236.0	242.7	256.2	266.3	138.2
85°	134.9	134.9	134.9	138.2	134.9	141.5	144.9	151.7	151.7	144.9	84.3
87.5°	87.6	84.3	87.6	84.3	84.3	80.9	80.9	80.9	77.5	74.2	47.2
90°	23.5	23.5	23.5	23.5	23.5	31.3	41.7	46.9	40.3	27.2	17.3
92.5°	94.0	75.3	94.0	112.6	117.3	166.3	231.7	264.3	232.1	167.6	119.2
95°	327.7	271.1	327.7	384.2	398.3	523.0	689.3	772.5	652.4	412.2	232.2
97.5°	784.9	677.4	784.9	892.6	919.5	998.3	1103.4	1156.0	955.8	555.4	255.1
100°	1131.1	1002.9	1131.1	1259.1	1291.2	1285.4	1277.8	1273.9	1051.8	607.5	274.2
102.5°	1471.4	1361.6	1471.4	1581.2	1608.6	1508.1	1374.2	1307.2	1082.0	631.3	293.3
105°	1905.2	1846.3	1905.2	1964.3	1979.1	1753.9	1453.7	1303.6	1085.3	649.0	321.7
107.5°	2189.6	2203.8	2189.6	2175.4	2171.8	1857.6	1438.8	1229.5	1037.0	652.3	363.7
110°	2298.1	2359.5	2298.1	2236.5	2221.2	1870.0	1401.8	1167.7	994.2	647.3	387.1





TEST NUMBER: P934992

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-8-2700K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2307.6	2402.1	2307.6	2213.3	2189.7	1830.3	1351.2	1111.5	956.9	647.5	415.5
115°	2246.5	2377.4	2246.5	2115.6	2082.8	1736.6	1275.0	1044.2	913.9	653.5	458.2
117.5°	2116.7	2261.9	2116.7	1971.5	1935.2	1622.8	1206.2	997.9	887.1	665.7	499.6
120°	2012.2	2153.3	2012.2	1871.1	1835.8	1550.4	1169.7	979.4	878.1	675.5	523.6
122.5°	1910.3	2049.5	1910.3	1771.2	1736.4	1479.4	1136.5	965.1	873.3	689.7	552.1
125°	1765.1	1893.3	1765.1	1636.9	1604.9	1386.4	1095.3	949.7	869.4	708.9	588.4
127.5°	1634.4	1742.6	1634.4	1526.3	1499.3	1311.7	1061.7	936.7	867.2	728.1	623.7
130°	1557.4	1657.3	1557.4	1457.6	1432.6	1265.7	1043.1	931.9	868.6	742.0	647.1
132.5°	1487.6	1577.1	1487.6	1398.2	1375.8	1226.4	1027.1	927.5	869.4	753.4	666.3
135°	1391.9	1469.0	1391.9	1314.8	1295.5	1170.4	1003.6	920.1	868.6	765.7	688.5
137.5°	1315.1	1378.3	1315.1	1252.0	1236.2	1130.5	989.3	918.8	874.0	784.3	716.9
140°	1262.5	1321.5	1262.5	1203.5	1188.7	1097.3	975.5	914.5	874.9	795.5	736.0
142.5°	1218.8	1269.6	1218.8	1168.0	1155.4	1075.1	968.0	914.5	878.1	805.1	750.3
145°	1153.4	1191.8	1153.4	1114.9	1105.4	1039.7	952.2	908.4	878.1	817.4	771.9
147.5°	1103.1	1134.9	1103.1	1071.3	1063.3	1011.6	942.8	908.4	884.0	835.5	799.1
150°	1071.5	1097.3	1071.5	1045.7	1039.2	995.6	937.4	908.4	887.2	844.9	813.2
152.5°	1044.4	1063.9	1044.4	1025.0	1020.1	982.9	933.2	908.4	889.2	851.1	822.5
155°	1013.4	1026.3	1013.4	1000.5	997.3	967.6	928.1	908.4	893.8	864.7	842.9
157.5°	988.8	997.9	988.8	979.8	977.5	954.5	923.7	908.4	898.3	878.3	863.2
160°	974.2	979.4	974.2	968.9	967.6	947.9	921.5	908.4	900.4	884.4	872.5
162.5°	964.5	969.5	964.5	959.5	958.4	941.7	919.5	908.4	902.6	891.1	882.5
165°	950.7	955.9	950.7	945.5	944.2	932.3	916.3	908.4	905.8	900.5	896.6
167.5°	940.7	942.9	940.7	938.5	938.0	930.2	919.7	914.5	912.3	908.0	904.7
170°	938.0	938.0	938.0	938.0	938.0	930.2	919.7	914.5	914.4	914.1	913.9
172.5°	930.7	928.8	930.7	932.6	933.1	926.9	918.6	914.5	914.5	914.5	914.5
175°	926.3	926.3	926.3	926.3	926.3	922.4	917.1	914.5	915.7	918.2	920.1
177.5°	922.3	920.1	922.3	924.5	925.0	921.9	917.8	915.7	916.7	918.6	920.1
180°	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1



TEST NUMBER: P934992

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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9
2.5°	3613.4	3593.2	3593.2	3559.5	3546.1	3535.9	3519.1	3468.5	3455.0	3441.5	3461.8
5°	3643.8	3606.7	3579.7	3519.1	3468.5	3448.3	3384.2	3262.9	3182.0	3121.3	3087.6
7.5°	3650.5	3603.3	3552.7	3458.4	3337.0	3283.1	3087.6	2865.1	2804.4	2750.6	2716.8
10°	3643.8	3589.9	3519.1	3377.4	3091.0	2996.6	2801.1	2656.1	2619.1	2608.9	2619.1
12.5°	3620.2	3569.6	3471.9	3235.9	2834.8	2770.8	2656.1	2571.9	2565.1	2582.0	2673.0
15°	3579.7	3532.5	3418.0	3047.2	2693.2	2646.1	2565.1	2534.8	2571.9	2689.9	2962.9
17.5°	3539.3	3485.3	3343.8	2861.8	2585.3	2551.7	2494.4	2555.0	2764.0	2922.5	3013.4
20°	3485.3	3421.3	3259.5	2726.9	2507.8	2477.5	2450.6	2723.6	2882.0	2939.3	2989.9
22.5°	3421.3	3353.9	3144.9	2632.5	2427.0	2403.3	2420.2	2818.0	2882.0	2922.5	2966.3
25°	3337.0	3279.7	3010.1	2558.4	2362.9	2335.9	2400.0	2807.8	2844.9	2855.0	2942.7
27.5°	3259.5	3185.3	2868.5	2491.0	2285.3	2275.3	2416.8	2764.0	2791.0	2801.1	2895.5
30°	3165.1	3053.9	2710.1	2420.2	2204.4	2201.1	2420.2	2710.1	2703.3	2730.3	2824.7
32.5°	3067.4	2858.4	2531.4	2332.5	2127.0	2123.6	2396.6	2629.1	2622.5	2659.5	2730.3
35°	2976.3	2706.7	2288.7	2231.4	2029.2	2032.5	2339.3	2534.8	2538.2	2571.9	2615.7
37.5°	2882.0	2575.3	2022.5	2120.2	1934.8	1934.8	2261.7	2447.2	2440.4	2450.6	2511.2
40°	2770.8	2369.6	1786.5	1975.3	1847.2	1837.0	2167.4	2352.8	2329.1	2325.9	2410.1
42.5°	2652.7	2143.8	1611.2	1783.1	1746.1	1732.5	2052.8	2238.2	2194.4	2204.4	2312.3
45°	2524.7	2083.1	1476.4	1506.7	1641.5	1631.4	1928.1	2106.7	2076.4	2103.4	2214.6
47.5°	2396.6	1961.7	1432.5	1250.6	1530.4	1527.0	1789.9	1978.7	1961.7	1988.7	2106.7
50°	2221.3	1827.0	1429.2	1071.9	1405.6	1419.1	1624.7	1854.0	1854.0	1877.5	2002.3
52.5°	1995.5	1661.7	1297.7	970.8	1260.6	1301.1	1479.8	1746.1	1752.8	1776.4	1887.6
55°	1789.9	1489.9	1203.4	893.2	1088.7	1176.4	1338.2	1634.8	1648.3	1671.9	1773.0
57.5°	1601.1	1240.4	1183.1	802.3	930.4	1014.6	1213.4	1527.0	1533.6	1554.0	1651.7
60°	1398.9	896.6	1085.3	704.5	792.1	856.2	1098.9	1398.9	1422.5	1435.9	1520.2
62.5°	1169.6	650.6	984.2	637.0	724.7	738.2	1004.5	1277.5	1307.8	1318.0	1368.5
65°	832.6	546.1	835.9	579.8	653.9	657.3	903.4	1152.8	1179.8	1196.6	1233.6
67.5°	562.9	444.9	637.0	525.8	600.0	603.4	805.6	1007.9	1044.9	1058.4	1082.1
70°	391.0	296.6	471.9	468.5	539.3	546.1	701.1	876.4	910.1	920.2	933.7
72.5°	286.5	239.3	391.0	421.3	475.3	482.1	593.2	728.1	761.7	771.9	778.7
75°	219.1	252.8	316.8	367.4	404.5	407.9	485.4	593.2	616.8	623.6	627.0
77.5°	175.3	236.0	232.6	296.6	330.4	323.6	380.9	458.5	478.7	478.7	478.7
80°	131.5	185.4	175.3	212.3	242.7	236.0	273.0	327.0	333.7	340.4	337.0
82.5°	97.7	117.9	117.9	134.9	161.8	155.1	182.1	212.3	212.3	212.3	219.1
85°	60.7	67.4	53.9	70.8	91.0	87.6	101.1	114.6	117.9	117.9	111.3
87.5°	37.1	30.4	16.8	27.0	40.4	40.4	47.2	50.6	47.2	47.2	47.2
90°	16.1	11.2	6.2	11.2	16.1	17.3	27.2	40.3	46.9	41.7	31.3
92.5°	108.8	66.7	24.7	66.7	108.8	119.2	167.6	232.1	264.3	231.7	166.3
95°	212.9	136.2	59.3	136.2	212.9	232.2	412.2	652.4	772.5	689.3	523.0
97.5°	238.1	170.3	102.5	170.3	238.1	255.1	555.4	955.8	1156.0	1103.4	998.3
100°	258.9	197.3	135.9	197.3	258.9	274.2	607.5	1051.8	1273.9	1277.8	1285.4
102.5°	279.0	221.6	164.2	221.6	279.0	293.3	631.3	1082.0	1307.2	1374.2	1508.1
105°	309.6	261.1	212.4	261.1	309.6	321.7	649.0	1085.3	1303.6	1453.7	1753.9
107.5°	352.4	307.2	261.8	307.2	352.4	363.7	652.3	1037.0	1229.5	1438.8	1857.6
110°	376.9	336.1	295.2	336.1	376.9	387.1	647.3	994.2	1167.7	1401.8	1870.0



TEST NUMBER: P934992

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-8-2700K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	405.8	366.8	327.9	366.8	405.8	415.5	647.5	956.9	1111.5	1351.2	1830.3
115°	449.2	413.2	377.3	413.2	449.2	458.2	653.5	913.9	1044.2	1275.0	1736.6
117.5°	491.4	458.8	426.1	458.8	491.4	499.6	665.7	887.1	997.9	1206.2	1622.8
120°	515.9	485.2	454.5	485.2	515.9	523.6	675.5	878.1	979.4	1169.7	1550.4
122.5°	544.3	513.3	482.3	513.3	544.3	552.1	689.7	873.3	965.1	1136.5	1479.4
125°	581.4	553.2	524.9	553.2	581.4	588.4	708.9	869.4	949.7	1095.3	1386.4
127.5°	616.5	588.0	559.5	588.0	616.5	623.7	728.1	867.2	936.7	1061.7	1311.7
130°	639.4	608.7	578.0	608.7	639.4	647.1	742.0	868.6	931.9	1043.1	1265.7
132.5°	658.7	627.9	597.1	627.9	658.7	666.3	753.4	869.4	927.5	1027.1	1226.4
135°	681.6	653.5	625.5	653.5	681.6	688.5	765.7	868.6	920.1	1003.6	1170.4
137.5°	709.9	682.3	654.6	682.3	709.9	716.9	784.3	874.0	918.8	989.3	1130.5
140°	729.7	704.2	678.7	704.2	729.7	736.0	795.5	874.9	914.5	975.5	1097.3
142.5°	744.4	720.8	697.2	720.8	744.4	750.3	805.1	878.1	914.5	968.0	1075.1
145°	766.7	746.2	725.6	746.2	766.7	771.9	817.4	878.1	908.4	952.2	1039.7
147.5°	794.1	774.0	754.0	774.0	794.1	799.1	835.5	884.0	908.4	942.8	1011.6
150°	808.8	790.6	772.5	790.6	808.8	813.2	844.9	887.2	908.4	937.4	995.6
152.5°	819.1	805.4	791.6	805.4	819.1	822.5	851.1	889.2	908.4	933.2	982.9
155°	840.3	830.2	820.0	830.2	840.3	842.9	864.7	893.8	908.4	928.1	967.6
157.5°	860.7	850.9	841.0	850.9	860.7	863.2	878.3	898.3	908.4	923.7	954.5
160°	870.6	862.9	855.3	862.9	870.6	872.5	884.4	900.4	908.4	921.5	947.9
162.5°	881.0	875.2	869.4	875.2	881.0	882.5	891.1	902.6	908.4	919.5	941.7
165°	895.3	890.0	884.8	890.0	895.3	896.6	900.5	905.8	908.4	916.3	932.3
167.5°	904.1	901.6	899.1	901.6	904.1	904.7	908.0	912.3	914.5	919.7	930.2
170°	913.3	910.8	908.4	910.8	913.3	913.9	914.1	914.4	914.5	919.7	930.2
172.5°	914.4	913.8	913.3	913.8	914.4	914.5	914.5	914.5	914.5	918.6	926.9
175°	920.1	920.1	920.1	920.1	920.1	920.1	918.2	915.7	914.5	917.1	922.4
177.5°	920.1	920.1	920.1	920.1	920.1	920.1	918.6	916.7	915.7	917.8	921.9
180°	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1



TEST NUMBER: P934992

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-8-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9	3562.9
2.5°	3438.2	3428.0	3441.5	3404.4	3441.5	3428.0	3438.2	3461.8	3441.5	3455.0	3468.5
5°	3016.8	3000.0	2946.1	2902.2	2946.1	3000.0	3016.8	3087.6	3121.3	3182.0	3262.9
7.5°	2696.6	2683.1	2669.6	2642.7	2669.6	2683.1	2696.6	2716.8	2750.6	2804.4	2865.1
10°	2625.9	2629.1	2649.4	2646.1	2649.4	2629.1	2625.9	2619.1	2608.9	2619.1	2656.1
12.5°	2807.8	2838.2	2949.4	2942.7	2949.4	2838.2	2807.8	2673.0	2582.0	2565.1	2571.9
15°	3016.8	3026.9	3050.5	3053.9	3050.5	3026.9	3016.8	2962.9	2689.9	2571.9	2534.8
17.5°	3037.0	3040.4	3057.2	3057.2	3057.2	3040.4	3037.0	3013.4	2922.5	2764.0	2555.0
20°	3020.2	3026.9	3060.6	3067.4	3060.6	3026.9	3020.2	2989.9	2939.3	2882.0	2723.6
22.5°	3013.4	3026.9	3053.9	3050.5	3053.9	3026.9	3013.4	2966.3	2922.5	2882.0	2818.0
25°	2979.7	2979.7	2983.1	2986.5	2983.1	2979.7	2979.7	2942.7	2855.0	2844.9	2807.8
27.5°	2908.9	2915.7	2935.9	2932.5	2935.9	2915.7	2908.9	2895.5	2801.1	2791.0	2764.0
30°	2844.9	2838.2	2821.3	2807.8	2821.3	2838.2	2844.9	2824.7	2730.3	2703.3	2710.1
32.5°	2737.0	2720.2	2703.3	2693.2	2703.3	2720.2	2737.0	2730.3	2659.5	2622.5	2629.1
35°	2608.9	2612.3	2608.9	2598.9	2608.9	2612.3	2608.9	2615.7	2571.9	2538.2	2534.8
37.5°	2518.0	2524.7	2521.3	2507.8	2521.3	2524.7	2518.0	2511.2	2450.6	2440.4	2447.2
40°	2423.6	2427.0	2423.6	2413.4	2423.6	2427.0	2423.6	2410.1	2325.9	2329.1	2352.8
42.5°	2332.5	2329.1	2319.1	2312.3	2319.1	2329.1	2332.5	2312.3	2204.4	2194.4	2238.2
45°	2228.1	2231.4	2211.2	2201.1	2211.2	2231.4	2228.1	2214.6	2103.4	2076.4	2106.7
47.5°	2123.6	2123.6	2106.7	2096.6	2106.7	2123.6	2123.6	2106.7	1988.7	1961.7	1978.7
50°	2012.3	2008.9	1985.3	1982.0	1985.3	2008.9	2012.3	2002.3	1877.5	1854.0	1854.0
52.5°	1884.2	1884.2	1887.6	1894.4	1887.6	1884.2	1884.2	1887.6	1776.4	1752.8	1746.1
55°	1773.0	1776.4	1800.0	1806.7	1800.0	1776.4	1773.0	1773.0	1671.9	1648.3	1634.8
57.5°	1658.4	1658.4	1675.3	1675.3	1675.3	1658.4	1658.4	1651.7	1554.0	1533.6	1527.0
60°	1527.0	1533.6	1547.2	1543.8	1547.2	1533.6	1527.0	1520.2	1435.9	1422.5	1398.9
62.5°	1388.7	1395.5	1398.9	1392.1	1398.9	1395.5	1388.7	1368.5	1318.0	1307.8	1277.5
65°	1243.8	1250.6	1254.0	1247.2	1254.0	1250.6	1243.8	1233.6	1196.6	1179.8	1152.8
67.5°	1095.5	1092.1	1088.7	1102.3	1088.7	1092.1	1095.5	1082.1	1058.4	1044.9	1007.9
70°	943.8	943.8	940.4	947.2	940.4	943.8	943.8	933.7	920.2	910.1	876.4
72.5°	782.1	778.7	792.1	782.1	792.1	778.7	782.1	778.7	771.9	761.7	728.1
75°	623.6	630.4	623.6	633.7	623.6	630.4	623.6	627.0	623.6	616.8	593.2
77.5°	475.3	482.1	475.3	475.3	475.3	482.1	475.3	478.7	478.7	478.7	458.5
80°	337.0	333.7	333.7	330.4	333.7	333.7	337.0	337.0	340.4	333.7	327.0
82.5°	215.7	212.3	212.3	219.1	212.3	212.3	215.7	219.1	212.3	212.3	212.3
85°	117.9	121.3	114.6	114.6	114.6	121.3	117.9	111.3	117.9	117.9	114.6
87.5°	43.8	40.4	40.4	40.4	40.4	40.4	43.8	47.2	47.2	47.2	50.6
90°	23.5	23.5	23.5	23.5	23.5	23.5	23.5	31.3	41.7	46.9	40.3
92.5°	117.3	112.6	94.0	75.3	94.0	112.6	117.3	166.3	231.7	264.3	232.1
95°	398.3	384.2	327.7	271.1	327.7	384.2	398.3	523.0	689.3	772.5	652.4
97.5°	919.5	892.6	784.9	677.4	784.9	892.6	919.5	998.3	1103.4	1156.0	955.8
100°	1291.2	1259.1	1131.1	1002.9	1131.1	1259.1	1291.2	1285.4	1277.8	1273.9	1051.8
102.5°	1608.6	1581.2	1471.4	1361.6	1471.4	1581.2	1608.6	1508.1	1374.2	1307.2	1082.0
105°	1979.1	1964.3	1905.2	1846.3	1905.2	1964.3	1979.1	1753.9	1453.7	1303.6	1085.3
107.5°	2171.8	2175.4	2189.6	2203.8	2189.6	2175.4	2171.8	1857.6	1438.8	1229.5	1037.0
110°	2221.2	2236.5	2298.1	2359.5	2298.1	2236.5	2221.2	1870.0	1401.8	1167.7	994.2



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2189.7	2213.3	2307.6	2402.1	2307.6	2213.3	2189.7	1830.3	1351.2	1111.5	956.9
115°	2082.8	2115.6	2246.5	2377.4	2246.5	2115.6	2082.8	1736.6	1275.0	1044.2	913.9
117.5°	1935.2	1971.5	2116.7	2261.9	2116.7	1971.5	1935.2	1622.8	1206.2	997.9	887.1
120°	1835.8	1871.1	2012.2	2153.3	2012.2	1871.1	1835.8	1550.4	1169.7	979.4	878.1
122.5°	1736.4	1771.2	1910.3	2049.5	1910.3	1771.2	1736.4	1479.4	1136.5	965.1	873.3
125°	1604.9	1636.9	1765.1	1893.3	1765.1	1636.9	1604.9	1386.4	1095.3	949.7	869.4
127.5°	1499.3	1526.3	1634.4	1742.6	1634.4	1526.3	1499.3	1311.7	1061.7	936.7	867.2
130°	1432.6	1457.6	1557.4	1657.3	1557.4	1457.6	1432.6	1265.7	1043.1	931.9	868.6
132.5°	1375.8	1398.2	1487.6	1577.1	1487.6	1398.2	1375.8	1226.4	1027.1	927.5	869.4
135°	1295.5	1314.8	1391.9	1469.0	1391.9	1314.8	1295.5	1170.4	1003.6	920.1	868.6
137.5°	1236.2	1252.0	1315.1	1378.3	1315.1	1252.0	1236.2	1130.5	989.3	918.8	874.0
140°	1188.7	1203.5	1262.5	1321.5	1262.5	1203.5	1188.7	1097.3	975.5	914.5	874.9
142.5°	1155.4	1168.0	1218.8	1269.6	1218.8	1168.0	1155.4	1075.1	968.0	914.5	878.1
145°	1105.4	1114.9	1153.4	1191.8	1153.4	1114.9	1105.4	1039.7	952.2	908.4	878.1
147.5°	1063.3	1071.3	1103.1	1134.9	1103.1	1071.3	1063.3	1011.6	942.8	908.4	884.0
150°	1039.2	1045.7	1071.5	1097.3	1071.5	1045.7	1039.2	995.6	937.4	908.4	887.2
152.5°	1020.1	1025.0	1044.4	1063.9	1044.4	1025.0	1020.1	982.9	933.2	908.4	889.2
155°	997.3	1000.5	1013.4	1026.3	1013.4	1000.5	997.3	967.6	928.1	908.4	893.8
157.5°	977.5	979.8	988.8	997.9	988.8	979.8	977.5	954.5	923.7	908.4	898.3
160°	967.6	968.9	974.2	979.4	974.2	968.9	967.6	947.9	921.5	908.4	900.4
162.5°	958.4	959.5	964.5	969.5	964.5	959.5	958.4	941.7	919.5	908.4	902.6
165°	944.2	945.5	950.7	955.9	950.7	945.5	944.2	932.3	916.3	908.4	905.8
167.5°	938.0	938.5	940.7	942.9	940.7	938.5	938.0	930.2	919.7	914.5	912.3
170°	938.0	938.0	938.0	938.0	938.0	938.0	938.0	930.2	919.7	914.5	914.4
172.5°	933.1	932.6	930.7	928.8	930.7	932.6	933.1	926.9	918.6	914.5	914.5
175°	926.3	926.3	926.3	926.3	926.3	926.3	926.3	922.4	917.1	914.5	915.7
177.5°	925.0	924.5	922.3	920.1	922.3	924.5	925.0	921.9	917.8	915.7	916.7
180°	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1	920.1



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3562.9	3562.9	3562.9	3562.9	3562.9
2.5°	3519.1	3535.9	3546.1	3559.5	3593.2
5°	3384.2	3448.3	3468.5	3519.1	3579.7
7.5°	3087.6	3283.1	3337.0	3458.4	3552.7
10°	2801.1	2996.6	3091.0	3377.4	3519.1
12.5°	2656.1	2770.8	2834.8	3235.9	3471.9
15°	2565.1	2646.1	2693.2	3047.2	3418.0
17.5°	2494.4	2551.7	2585.3	2861.8	3343.8
20°	2450.6	2477.5	2507.8	2726.9	3259.5
22.5°	2420.2	2403.3	2427.0	2632.5	3144.9
25°	2400.0	2335.9	2362.9	2558.4	3010.1
27.5°	2416.8	2275.3	2285.3	2491.0	2868.5
30°	2420.2	2201.1	2204.4	2420.2	2710.1
32.5°	2396.6	2123.6	2127.0	2332.5	2531.4
35°	2339.3	2032.5	2029.2	2231.4	2288.7
37.5°	2261.7	1934.8	1934.8	2120.2	2022.5
40°	2167.4	1837.0	1847.2	1975.3	1786.5
42.5°	2052.8	1732.5	1746.1	1783.1	1611.2
45°	1928.1	1631.4	1641.5	1506.7	1476.4
47.5°	1789.9	1527.0	1530.4	1250.6	1432.5
50°	1624.7	1419.1	1405.6	1071.9	1429.2
52.5°	1479.8	1301.1	1260.6	970.8	1297.7
55°	1338.2	1176.4	1088.7	893.2	1203.4
57.5°	1213.4	1014.6	930.4	802.3	1183.1
60°	1098.9	856.2	792.1	704.5	1085.3
62.5°	1004.5	738.2	724.7	637.0	984.2
65°	903.4	657.3	653.9	579.8	835.9
67.5°	805.6	603.4	600.0	525.8	637.0
70°	701.1	546.1	539.3	468.5	471.9
72.5°	593.2	482.1	475.3	421.3	391.0
75°	485.4	407.9	404.5	367.4	316.8
77.5°	380.9	323.6	330.4	296.6	232.6
80°	273.0	236.0	242.7	212.3	175.3
82.5°	182.1	155.1	161.8	134.9	117.9
85°	101.1	87.6	91.0	70.8	53.9
87.5°	47.2	40.4	40.4	27.0	16.8
90°	27.2	17.3	16.1	11.2	6.2
92.5°	167.6	119.2	108.8	66.7	24.7
95°	412.2	232.2	212.9	136.2	59.3
97.5°	555.4	255.1	238.1	170.3	102.5
100°	607.5	274.2	258.9	197.3	135.9
102.5°	631.3	293.3	279.0	221.6	164.2
105°	649.0	321.7	309.6	261.1	212.4
107.5°	652.3	363.7	352.4	307.2	261.8
110°	647.3	387.1	376.9	336.1	295.2



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	647.5	415.5	405.8	366.8	327.9
115°	653.5	458.2	449.2	413.2	377.3
117.5°	665.7	499.6	491.4	458.8	426.1
120°	675.5	523.6	515.9	485.2	454.5
122.5°	689.7	552.1	544.3	513.3	482.3
125°	708.9	588.4	581.4	553.2	524.9
127.5°	728.1	623.7	616.5	588.0	559.5
130°	742.0	647.1	639.4	608.7	578.0
132.5°	753.4	666.3	658.7	627.9	597.1
135°	765.7	688.5	681.6	653.5	625.5
137.5°	784.3	716.9	709.9	682.3	654.6
140°	795.5	736.0	729.7	704.2	678.7
142.5°	805.1	750.3	744.4	720.8	697.2
145°	817.4	771.9	766.7	746.2	725.6
147.5°	835.5	799.1	794.1	774.0	754.0
150°	844.9	813.2	808.8	790.6	772.5
152.5°	851.1	822.5	819.1	805.4	791.6
155°	864.7	842.9	840.3	830.2	820.0
157.5°	878.3	863.2	860.7	850.9	841.0
160°	884.4	872.5	870.6	862.9	855.3
162.5°	891.1	882.5	881.0	875.2	869.4
165°	900.5	896.6	895.3	890.0	884.8
167.5°	908.0	904.7	904.1	901.6	899.1
170°	914.1	913.9	913.3	910.8	908.4
172.5°	914.5	914.5	914.4	913.8	913.3
175°	918.2	920.1	920.1	920.1	920.1
177.5°	918.6	920.1	920.1	920.1	920.1
180°	920.1	920.1	920.1	920.1	920.1



TEST NUMBER: P934992  
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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	15.49	16.46	16.35	17.34	18.45	18.33	19.30	19.19	20.18	21.29
	3H	15.98	16.84	16.85	17.73	18.87	19.69	20.55	20.56	21.44	22.58
	4H	16.17	16.99	17.06	17.89	19.03	20.14	20.96	21.02	21.85	23.00
	6H	16.30	17.05	17.20	17.96	19.11	20.43	21.18	21.33	22.09	23.25
	8H	16.30	17.02	17.21	17.94	19.10	20.51	21.23	21.42	22.15	23.31
	12H	16.28	16.96	17.19	17.88	19.06	20.55	21.24	21.46	22.15	23.33
4H	2H	16.54	17.36	17.43	18.26	19.40	18.75	19.57	19.64	20.47	21.61
	3H	17.58	18.26	18.48	19.19	20.35	20.27	20.95	21.17	21.88	23.04
	4H	17.86	18.48	18.77	19.40	20.59	20.80	21.43	21.72	22.35	23.54
	6H	17.99	18.53	18.92	19.47	20.66	21.18	21.71	22.11	22.66	23.85
	8H	18.00	18.50	18.93	19.44	20.64	21.29	21.79	22.22	22.73	23.93
	12H	17.97	18.42	18.92	19.38	20.59	21.35	21.80	22.30	22.76	23.97
8H	4H	18.32	18.82	19.25	19.76	20.96	20.94	21.44	21.87	22.38	23.58
	6H	18.59	19.00	19.54	19.99	21.18	21.38	21.79	22.34	22.78	23.98
	8H	18.63	19.00	19.60	19.97	21.19	21.53	21.90	22.50	22.87	24.09
	12H	18.62	18.94	19.59	19.91	21.17	21.64	21.96	22.61	22.93	24.19
12H	4H	18.33	18.78	19.28	19.74	20.95	20.91	21.36	21.86	22.32	23.52
	6H	18.65	19.02	19.62	19.99	21.21	21.38	21.75	22.34	22.72	23.94
	8H	18.72	19.04	19.69	20.01	21.28	21.55	21.87	22.52	22.83	24.10