

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: P934577

Luminaire Tested: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934577
REPORT IS A COMBINATION OF REPORTS P933701 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-12-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

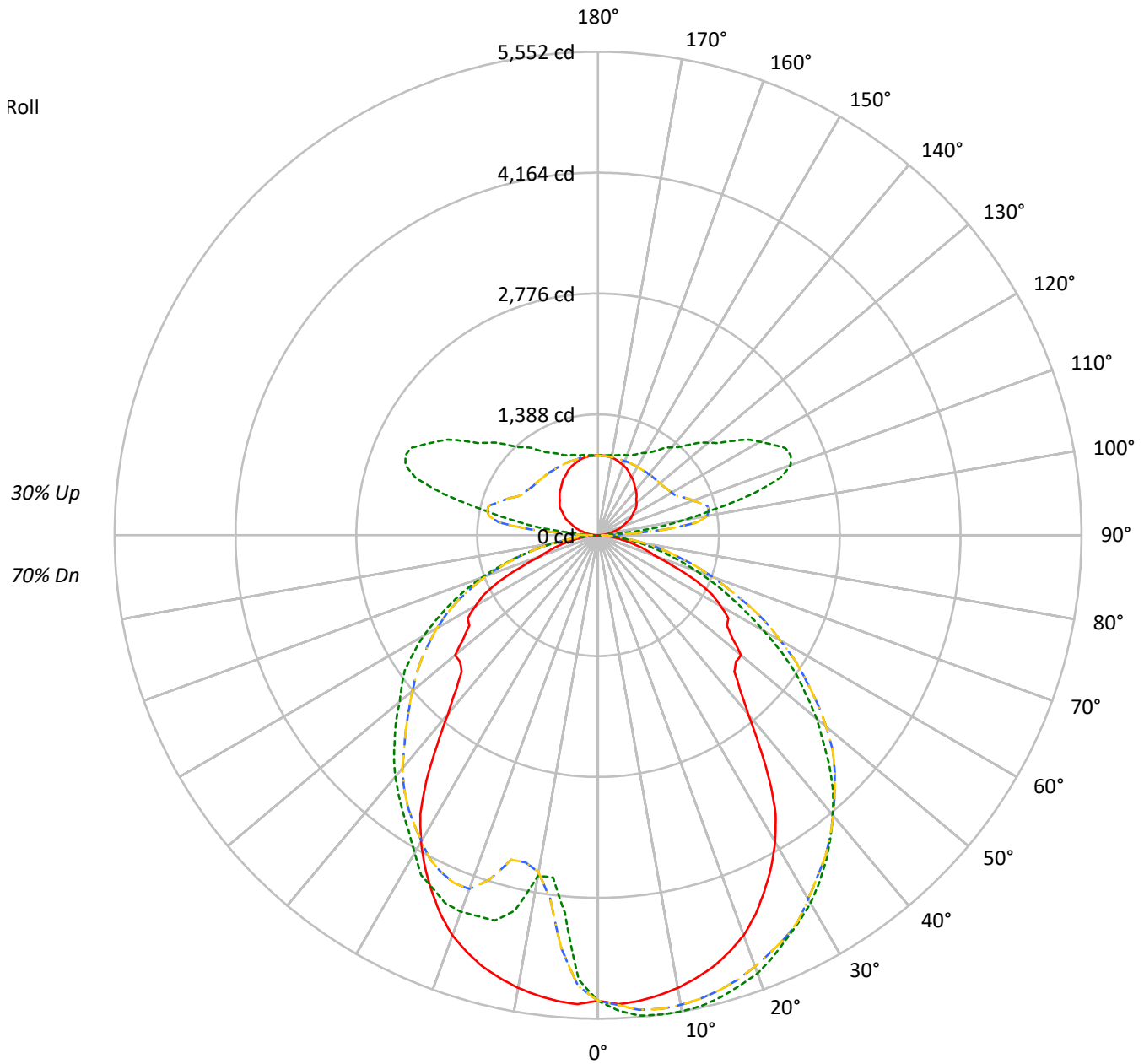
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19809.4 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 168
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	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	30	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°	16531	16531	16531	16531
5°	16660	16687	16660	13121
10°	16555	16438	16555	11752
15°	16381	16082	16381	13428
20°	16046	15660	16046	13456
25°	15350	15044	15350	13171
30°	14450	14533	14450	12546
35°	12888	13887	12888	11857
40°	10745	13127	10745	11337
45°	9607	12236	9607	10739
50°	10215	11174	10215	10140
55°	9620	10030	9620	9793
60°	9929	8519	9929	8969
65°	9017	7042	9017	7871
70°	6259	5612	6259	6598
75°	5509	4148	5509	4968
80°	4472	2743	4472	2986
85°	2621	1453	2621	1235

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14716 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	482.4	2.4
10°-20°	1369.8	6.9
20°-30°	2117.4	10.7
30°-40°	2527.7	12.8
40°-50°	2542.6	12.8
50°-60°	2212.3	11.2
60°-70°	1568.6	7.9
70°-80°	829.9	4.2
80°-90°	210.2	1.1
90°-100°	447.3	2.3
100°-110°	1176.0	5.9
110°-120°	1219.3	6.2
120°-130°	978.1	4.9
130°-140°	767.4	3.9
140°-150°	589.0	3.0
150°-160°	424.2	2.1
160°-170°	259.6	1.3
170°-180°	87.7	0.4
0°-30°	3969.6	20.0
0°-40°	6497.3	32.8
0°-60°	11252.2	56.8
0°-90°	13860.9	70.0
90°-120°	2842.6	14.3
90°-150°	5177.1	26.1
90°-180°	5949.0	30.0
0°-180°	19809.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5344	5344	5344	5344	5344	
5°	5370	5537	5370	4354	5370	509
15°	5127	5486	5127	4581	5127	1443
25°	4515	5117	4515	4480	4515	2073
35°	3433	4566	3433	3898	3433	2124
45°	2215	3762	2215	3302	2215	1774
55°	1805	2776	1805	2710	1805	1659
65°	1254	1674	1254	1871	1254	1199
75°	475	794	475	951	475	500
85°	81	202	81	172	81	109
90°	6	23	6	23	6	9
95°	59	270	59	270	59	66
105°	212	1841	212	1841	212	225
115°	376	2371	376	2371	376	372
125°	524	1888	524	1888	524	465
135°	624	1465	624	1465	624	483
145°	724	1189	724	1189	724	453
155°	818	1024	818	1024	818	376
165°	883	953	883	953	883	249
175°	918	924	918	924	918	87
180°	918	918	918	918	918	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5
2.5°	5390.1	5390.1	5420.3	5430.5	5430.5	5415.3	5400.1	5415.3	5460.8	5476.0	5470.9
5°	5369.7	5410.3	5465.8	5476.0	5486.1	5481.0	5470.9	5481.0	5531.6	5541.7	5546.7
7.5°	5329.3	5405.2	5476.0	5491.1	5506.3	5491.1	5486.1	5496.2	5546.7	5556.9	5556.9
10°	5278.8	5385.0	5465.8	5476.0	5491.1	5476.0	5476.0	5496.2	5546.7	5556.9	5562.0
12.5°	5208.0	5354.6	5430.5	5440.6	5460.8	5455.7	5450.7	5470.9	5521.4	5531.6	5531.6
15°	5127.1	5299.0	5369.7	5379.9	5415.3	5405.2	5405.2	5425.4	5481.0	5496.2	5491.1
17.5°	5015.9	5228.2	5309.1	5324.3	5349.5	5344.5	5349.5	5369.7	5420.3	5430.5	5435.5
20°	4889.5	5132.1	5228.2	5243.3	5268.6	5268.6	5268.6	5293.9	5344.5	5364.8	5364.8
22.5°	4717.6	5031.0	5132.1	5142.2	5172.6	5172.6	5182.7	5218.0	5263.6	5268.6	5268.6
25°	4515.3	4919.7	5005.7	5036.1	5066.5	5081.6	5096.7	5117.0	5132.1	5127.1	5132.1
27.5°	4302.9	4778.2	4889.5	4909.7	4950.1	4965.3	4985.5	4990.6	4995.6	5010.8	5000.7
30°	4065.3	4581.0	4747.8	4768.1	4833.8	4843.9	4823.7	4833.8	4859.1	4869.2	4879.3
32.5°	3797.2	4287.8	4601.2	4646.7	4707.4	4677.1	4672.0	4687.2	4727.6	4727.6	4737.8
35°	3433.2	4060.2	4464.7	4505.1	4550.6	4515.3	4535.5	4540.6	4565.9	4581.0	4575.9
37.5°	3033.8	3863.0	4323.1	4353.5	4388.9	4343.4	4373.7	4388.9	4409.1	4398.9	4398.9
40°	2679.8	3554.5	4156.3	4176.5	4206.8	4171.4	4201.8	4211.9	4222.0	4211.9	4206.8
42.5°	2416.9	3215.8	3979.3	4004.6	3984.4	4009.6	4019.8	4040.0	4024.8	4004.6	4004.6
45°	2214.6	3124.8	3787.2	3817.5	3787.2	3827.6	3842.8	3842.8	3797.2	3787.2	3782.1
47.5°	2149.0	2942.8	3595.1	3595.1	3579.8	3630.4	3655.7	3620.3	3574.8	3559.6	3559.6
50°	2143.9	2740.5	3332.1	3311.9	3382.6	3443.4	3418.1	3382.6	3347.3	3291.7	3291.7
52.5°	1946.7	2492.8	2993.3	3069.2	3180.4	3215.8	3175.3	3140.0	3079.2	3054.0	3033.8
55°	1805.1	2234.9	2684.9	2836.6	2952.8	2998.4	2922.6	2887.1	2796.2	2780.9	2770.9
57.5°	1774.8	1860.7	2401.8	2593.9	2735.4	2730.4	2684.9	2619.2	2543.3	2528.1	2523.1
60°	1628.2	1345.0	2098.4	2325.9	2472.6	2457.3	2416.9	2356.2	2285.4	2275.4	2265.2
62.5°	1476.5	975.9	1754.6	2012.4	2219.7	2214.6	2179.2	2088.2	2037.7	2012.4	1992.2
65°	1254.0	819.1	1248.9	1673.7	1972.0	1982.0	1906.2	1840.5	1784.8	1754.6	1749.5
67.5°	955.7	667.4	844.4	1395.5	1734.3	1724.2	1628.2	1597.8	1527.0	1511.8	1481.5
70°	707.9	444.9	586.5	1132.7	1501.7	1476.5	1400.6	1365.2	1299.5	1264.0	1243.8
72.5°	586.5	359.0	429.8	879.8	1264.0	1233.7	1168.0	1127.6	1071.9	1041.6	1021.4
75°	475.3	379.2	328.7	652.3	1026.4	1006.2	945.5	905.1	859.5	819.1	824.2
77.5°	348.9	354.0	262.9	480.4	814.0	783.8	748.3	697.8	677.6	637.1	637.1
80°	262.9	278.1	197.2	328.7	586.5	586.5	556.2	520.8	485.5	465.1	465.1
82.5°	177.0	177.0	146.6	207.3	399.5	384.3	364.0	354.0	333.8	323.6	323.6
85°	80.9	101.1	91.0	126.4	217.4	227.5	227.5	217.4	212.3	202.3	207.3
87.5°	25.3	45.5	55.6	70.8	111.3	116.3	121.3	121.3	121.3	126.4	126.4
90°	6.2	11.1	16.0	17.2	27.1	40.2	46.8	41.6	31.2	23.4	23.4
92.5°	24.6	66.4	108.4	118.8	167.0	231.4	263.5	231.0	165.8	117.0	112.3
95°	59.2	135.8	212.4	231.6	411.1	650.7	770.4	687.4	521.6	397.2	383.1
97.5°	102.2	169.8	237.4	254.4	553.9	953.2	1152.9	1100.5	995.6	917.0	890.2
100°	135.5	196.8	258.1	273.4	605.8	1048.9	1270.5	1274.3	1282.0	1287.7	1255.8
102.5°	163.8	221.0	278.2	292.5	629.6	1079.1	1303.8	1370.5	1504.1	1604.3	1576.9
105°	211.8	260.3	308.7	320.8	647.2	1082.5	1300.1	1449.8	1749.2	1973.8	1959.0
107.5°	261.2	306.3	351.5	362.7	650.6	1034.3	1226.2	1435.0	1852.8	2166.0	2169.6
110°	294.4	335.2	376.0	386.1	645.6	991.6	1164.6	1398.1	1865.0	2215.2	2230.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	327.0	365.8	404.7	414.4	645.8	954.3	1108.5	1347.5	1825.4	2183.8	2207.3
115°	376.3	412.1	448.0	457.0	651.8	911.5	1041.4	1271.6	1731.9	2077.3	2109.9
117.5°	424.9	457.5	490.0	498.2	663.8	884.7	995.2	1203.0	1618.4	1930.0	1966.2
120°	453.3	484.0	514.5	522.2	673.7	875.8	976.8	1166.6	1546.2	1830.9	1866.1
122.5°	481.0	511.9	542.8	550.6	687.9	871.0	962.5	1133.4	1475.4	1731.7	1766.4
125°	523.5	551.7	579.9	586.9	707.1	867.1	947.2	1092.4	1382.7	1600.6	1632.5
127.5°	558.0	586.4	614.9	622.0	726.1	864.8	934.2	1058.9	1308.2	1495.3	1522.3
130°	576.5	607.2	637.7	645.4	740.0	866.2	929.4	1040.3	1262.3	1428.8	1453.7
132.5°	595.5	626.2	656.9	664.5	751.4	867.1	925.0	1024.4	1223.1	1372.1	1394.4
135°	623.9	651.8	679.7	686.6	763.6	866.3	917.6	1000.9	1167.3	1292.1	1311.3
137.5°	652.8	680.5	708.2	715.0	782.2	871.7	916.4	986.7	1127.5	1232.9	1248.7
140°	676.8	702.3	727.7	734.1	793.4	872.5	912.0	972.8	1094.4	1185.5	1200.3
142.5°	695.3	718.8	742.4	748.3	802.9	875.7	912.0	965.4	1072.2	1152.3	1164.9
145°	723.6	744.1	764.6	769.8	815.2	875.7	906.0	949.6	1036.9	1102.4	1111.9
147.5°	752.0	771.9	791.9	796.9	833.3	881.8	906.0	940.3	1009.0	1060.5	1068.5
150°	770.4	788.4	806.6	811.0	842.7	884.8	906.0	934.9	992.9	1036.4	1042.9
152.5°	789.5	803.2	816.9	820.3	848.9	886.9	906.0	930.8	980.3	1017.4	1022.3
155°	817.8	828.0	838.1	840.6	862.4	891.4	906.0	925.7	965.0	994.6	997.8
157.5°	838.8	848.7	858.5	860.9	876.0	896.0	906.0	921.3	951.9	974.9	977.2
160°	853.0	860.6	868.3	870.2	882.2	898.0	906.0	919.1	945.3	965.0	966.3
162.5°	867.1	872.9	878.7	880.1	888.7	900.2	906.0	917.0	939.1	955.8	957.0
165°	882.6	887.7	892.9	894.2	898.1	903.4	906.0	913.9	929.8	941.6	942.9
167.5°	896.7	899.1	901.6	902.2	905.5	909.8	912.0	917.2	927.7	935.4	936.0
170°	906.0	908.4	910.8	911.4	911.6	911.9	912.0	917.2	927.7	935.4	935.4
172.5°	910.8	911.3	911.9	912.0	912.0	912.0	912.0	916.1	924.4	930.6	930.1
175°	917.6	917.6	917.6	917.6	915.7	913.2	912.0	914.6	919.9	923.8	923.8
177.5°	917.6	917.6	917.6	917.6	916.2	914.3	913.3	915.4	919.5	922.6	922.0
180°	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5
2.5°	5481.0	5465.8	5481.0	5470.9	5476.0	5460.8	5415.3	5400.1	5415.3	5430.5	5430.5
5°	5546.7	5536.7	5546.7	5546.7	5541.7	5531.6	5481.0	5470.9	5481.0	5486.1	5476.0
7.5°	5566.9	5551.8	5566.9	5556.9	5556.9	5546.7	5496.2	5486.1	5491.1	5506.3	5491.1
10°	5566.9	5551.8	5566.9	5562.0	5556.9	5546.7	5496.2	5476.0	5476.0	5491.1	5476.0
12.5°	5541.7	5531.6	5541.7	5531.6	5531.6	5521.4	5470.9	5450.7	5455.7	5460.8	5440.6
15°	5501.2	5486.1	5501.2	5491.1	5496.2	5481.0	5425.4	5405.2	5405.2	5415.3	5379.9
17.5°	5440.6	5420.3	5440.6	5435.5	5430.5	5420.3	5369.7	5349.5	5344.5	5349.5	5324.3
20°	5369.7	5354.6	5369.7	5364.8	5364.8	5344.5	5293.9	5268.6	5268.6	5268.6	5243.3
22.5°	5258.6	5243.3	5258.6	5268.6	5268.6	5263.6	5218.0	5182.7	5172.6	5172.6	5142.2
25°	5132.1	5117.0	5132.1	5132.1	5127.1	5132.1	5117.0	5096.7	5081.6	5066.5	5036.1
27.5°	5010.8	5000.7	5010.8	5000.7	5010.8	4995.6	4990.6	4985.5	4965.3	4950.1	4909.7
30°	4889.5	4879.3	4889.5	4879.3	4869.2	4859.1	4833.8	4823.7	4843.9	4833.8	4768.1
32.5°	4737.8	4727.6	4737.8	4737.8	4727.6	4727.6	4687.2	4672.0	4677.1	4707.4	4646.7
35°	4581.0	4565.9	4581.0	4575.9	4581.0	4565.9	4540.6	4535.5	4515.3	4550.6	4505.1
37.5°	4398.9	4383.8	4398.9	4398.9	4398.9	4409.1	4388.9	4373.7	4343.4	4388.9	4353.5
40°	4211.9	4191.7	4211.9	4206.8	4211.9	4222.0	4211.9	4201.8	4171.4	4206.8	4176.5
42.5°	3999.5	3994.5	3999.5	4004.6	4004.6	4024.8	4040.0	4019.8	4009.6	3984.4	4004.6
45°	3772.0	3761.9	3772.0	3782.1	3787.2	3797.2	3842.8	3842.8	3827.6	3787.2	3817.5
47.5°	3529.3	3504.0	3529.3	3559.6	3559.6	3574.8	3620.3	3655.7	3630.4	3579.8	3595.1
50°	3271.5	3276.4	3271.5	3291.7	3291.7	3347.3	3382.6	3418.1	3443.4	3382.6	3311.9
52.5°	3018.6	3013.6	3018.6	3033.8	3054.0	3079.2	3140.0	3175.3	3215.8	3180.4	3069.2
55°	2765.8	2776.0	2765.8	2770.9	2780.9	2796.2	2887.1	2922.6	2998.4	2952.8	2836.6
57.5°	2513.0	2497.8	2513.0	2523.1	2528.1	2543.3	2619.2	2684.9	2730.4	2735.4	2593.9
60°	2219.7	2199.5	2219.7	2265.2	2275.4	2285.4	2356.2	2416.9	2457.3	2472.6	2325.9
62.5°	1961.8	1926.5	1961.8	1992.2	2012.4	2037.7	2088.2	2179.2	2214.6	2219.7	2012.4
65°	1688.8	1673.7	1688.8	1749.5	1754.6	1784.8	1840.5	1906.2	1982.0	1972.0	1673.7
67.5°	1441.0	1441.0	1441.0	1481.5	1511.8	1527.0	1597.8	1628.2	1724.2	1734.3	1395.5
70°	1213.5	1208.4	1213.5	1243.8	1264.0	1299.5	1365.2	1400.6	1476.5	1501.7	1132.7
72.5°	996.1	991.0	996.1	1021.4	1041.6	1071.9	1127.6	1168.0	1233.7	1264.0	879.8
75°	804.0	793.8	804.0	824.2	819.1	859.5	905.1	945.5	1006.2	1026.4	652.3
77.5°	616.8	616.8	616.8	637.1	637.1	677.6	697.8	748.3	783.8	814.0	480.4
80°	460.2	455.1	460.2	465.1	465.1	485.5	520.8	556.2	586.5	586.5	328.7
82.5°	323.6	313.4	323.6	323.6	323.6	333.8	354.0	364.0	384.3	399.5	207.3
85°	202.3	202.3	202.3	207.3	202.3	212.3	217.4	227.5	227.5	217.4	126.4
87.5°	131.5	126.4	131.5	126.4	126.4	121.3	121.3	121.3	116.3	111.3	70.8
90°	23.4	23.4	23.4	23.4	23.4	31.2	41.6	46.8	40.2	27.1	17.2
92.5°	93.7	75.1	93.7	112.3	117.0	165.8	231.0	263.5	231.4	167.0	118.8
95°	326.7	270.3	326.7	383.1	397.2	521.6	687.4	770.4	650.7	411.1	231.6
97.5°	782.9	675.6	782.9	890.2	917.0	995.6	1100.5	1152.9	953.2	553.9	254.4
100°	1128.0	1000.2	1128.0	1255.8	1287.7	1282.0	1274.3	1270.5	1048.9	605.8	273.4
102.5°	1467.4	1357.9	1467.4	1576.9	1604.3	1504.1	1370.5	1303.8	1079.1	629.6	292.5
105°	1900.3	1841.4	1900.3	1959.0	1973.8	1749.2	1449.8	1300.1	1082.5	647.2	320.8
107.5°	2183.7	2198.0	2183.7	2169.6	2166.0	1852.8	1435.0	1226.2	1034.3	650.6	362.7
110°	2291.8	2353.1	2291.8	2230.5	2215.2	1865.0	1398.1	1164.6	991.6	645.6	386.1



TEST NUMBER: P934577

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2301.6	2395.7	2301.6	2207.3	2183.8	1825.4	1347.5	1108.5	954.3	645.8	414.4
115°	2240.5	2371.1	2240.5	2109.9	2077.3	1731.9	1271.6	1041.4	911.5	651.8	457.0
117.5°	2111.0	2255.8	2111.0	1966.2	1930.0	1618.4	1203.0	995.2	884.7	663.8	498.2
120°	2006.8	2147.5	2006.8	1866.1	1830.9	1546.2	1166.6	976.8	875.8	673.7	522.2
122.5°	1905.2	2044.0	1905.2	1766.4	1731.7	1475.4	1133.4	962.5	871.0	687.9	550.6
125°	1760.3	1888.2	1760.3	1632.5	1600.6	1382.7	1092.4	947.2	867.1	707.1	586.9
127.5°	1630.1	1737.9	1630.1	1522.3	1495.3	1308.2	1058.9	934.2	864.8	726.1	622.0
130°	1553.4	1653.0	1553.4	1453.7	1428.8	1262.3	1040.3	929.4	866.2	740.0	645.4
132.5°	1483.6	1572.9	1483.6	1394.4	1372.1	1223.1	1024.4	925.0	867.1	751.4	664.5
135°	1388.2	1465.1	1388.2	1311.3	1292.1	1167.3	1000.9	917.6	866.3	763.6	686.6
137.5°	1311.6	1374.6	1311.6	1248.7	1232.9	1127.5	986.7	916.4	871.7	782.2	715.0
140°	1259.0	1317.9	1259.0	1200.3	1185.5	1094.4	972.8	912.0	872.5	793.4	734.1
142.5°	1215.6	1266.2	1215.6	1164.9	1152.3	1072.2	965.4	912.0	875.7	802.9	748.3
145°	1150.3	1188.6	1150.3	1111.9	1102.4	1036.9	949.6	906.0	875.7	815.2	769.8
147.5°	1100.2	1132.0	1100.2	1068.5	1060.5	1009.0	940.3	906.0	881.8	833.3	796.9
150°	1068.6	1094.4	1068.6	1042.9	1036.4	992.9	934.9	906.0	884.8	842.7	811.0
152.5°	1041.7	1061.1	1041.7	1022.3	1017.4	980.3	930.8	906.0	886.9	848.9	820.3
155°	1010.7	1023.6	1010.7	997.8	994.6	965.0	925.7	906.0	891.4	862.4	840.6
157.5°	986.1	995.2	986.1	977.2	974.9	951.9	921.3	906.0	896.0	876.0	860.9
160°	971.6	976.8	971.6	966.3	965.0	945.3	919.1	906.0	898.0	882.2	870.2
162.5°	961.9	966.9	961.9	957.0	955.8	939.1	917.0	906.0	900.2	888.7	880.1
165°	948.2	953.4	948.2	942.9	941.6	929.8	913.9	906.0	903.4	898.1	894.2
167.5°	938.2	940.4	938.2	936.0	935.4	927.7	917.2	912.0	909.8	905.5	902.2
170°	935.4	935.4	935.4	935.4	935.4	927.7	917.2	912.0	911.9	911.6	911.4
172.5°	928.2	926.3	928.2	930.1	930.6	924.4	916.1	912.0	912.0	912.0	912.0
175°	923.8	923.8	923.8	923.8	923.8	919.9	914.6	912.0	913.2	915.7	917.6
177.5°	919.8	917.6	919.8	922.0	922.6	919.5	915.4	913.3	914.3	916.2	917.6
180°	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6



TEST NUMBER: P934577

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5
2.5°	5420.3	5390.1	5390.1	5339.5	5319.2	5304.1	5278.8	5202.9	5182.7	5162.5	5192.8
5°	5465.8	5410.3	5369.7	5278.8	5202.9	5172.6	5076.5	4894.4	4773.1	4682.1	4631.6
7.5°	5476.0	5405.2	5329.3	5187.8	5005.7	4924.8	4631.6	4297.8	4206.8	4125.9	4075.3
10°	5465.8	5385.0	5278.8	5066.5	4636.6	4495.0	4201.8	3984.4	3928.7	3913.6	3928.7
12.5°	5430.5	5354.6	5208.0	4854.0	4252.3	4156.3	3984.4	3857.9	3847.8	3873.1	4009.6
15°	5369.7	5299.0	5127.1	4570.8	4040.0	3969.2	3847.8	3802.3	3857.9	4034.9	4444.5
17.5°	5309.1	5228.2	5015.9	4292.8	3878.2	3827.6	3741.7	3832.7	4146.1	4383.8	4520.3
20°	5228.2	5132.1	4889.5	4090.6	3761.9	3716.4	3675.9	4085.5	4323.1	4409.1	4484.9
22.5°	5132.1	5031.0	4717.6	3948.9	3640.6	3605.1	3630.4	4227.0	4323.1	4383.8	4449.5
25°	5005.7	4919.7	4515.3	3837.7	3544.5	3504.0	3600.0	4211.9	4267.5	4282.7	4414.2
27.5°	4889.5	4778.2	4302.9	3736.6	3428.1	3413.0	3625.3	4146.1	4186.6	4201.8	4343.4
30°	4747.8	4581.0	4065.3	3630.4	3306.8	3301.7	3630.4	4065.3	4055.1	4095.6	4237.2
32.5°	4601.2	4287.8	3797.2	3498.9	3190.5	3185.5	3595.1	3943.9	3933.8	3989.4	4095.6
35°	4464.7	4060.2	3433.2	3347.3	3043.9	3049.0	3509.1	3802.3	3807.4	3857.9	3923.6
37.5°	4323.1	3863.0	3033.8	3180.4	2902.3	2902.3	3392.8	3670.9	3660.8	3675.9	3767.0
40°	4156.3	3554.5	2679.8	2963.0	2770.9	2755.6	3251.2	3529.3	3493.9	3488.9	3615.3
42.5°	3979.3	3215.8	2416.9	2674.8	2619.2	2599.0	3079.2	3357.4	3291.7	3306.8	3468.6
45°	3787.2	3124.8	2214.6	2260.1	2462.4	2447.3	2892.2	3160.2	3114.7	3155.1	3322.0
47.5°	3595.1	2942.8	2149.0	1875.9	2295.6	2290.5	2684.9	2968.1	2942.8	2983.2	3160.2
50°	3332.1	2740.5	2143.9	1607.9	2108.4	2128.7	2437.1	2780.9	2780.9	2816.4	3003.4
52.5°	2993.3	2492.8	1946.7	1456.3	1891.0	1951.8	2219.7	2619.2	2629.2	2664.7	2831.5
55°	2684.9	2234.9	1805.1	1339.9	1633.1	1764.6	2007.3	2452.3	2472.6	2507.9	2659.6
57.5°	2401.8	1860.7	1774.8	1203.4	1395.5	1522.0	1820.3	2290.5	2300.7	2330.9	2477.6
60°	2098.4	1345.0	1628.2	1056.8	1188.2	1284.3	1648.4	2098.4	2133.7	2153.9	2280.3
62.5°	1754.6	975.9	1476.5	955.7	1087.1	1107.4	1506.7	1916.3	1961.8	1977.0	2052.9
65°	1248.9	819.1	1254.0	869.7	981.0	985.9	1355.1	1729.3	1769.7	1795.0	1850.6
67.5°	844.4	667.4	955.7	788.7	900.0	905.1	1208.4	1511.8	1567.4	1587.7	1623.1
70°	586.5	444.9	707.9	702.8	809.1	819.1	1051.7	1314.6	1365.2	1380.4	1400.6
72.5°	429.8	359.0	586.5	632.1	712.9	723.1	889.9	1092.1	1142.7	1157.8	1168.0
75°	328.7	379.2	475.3	551.1	606.8	611.8	728.1	889.9	925.3	935.4	940.4
77.5°	262.9	354.0	348.9	444.9	495.5	485.5	571.4	687.6	718.0	718.0	718.0
80°	197.2	278.1	262.9	318.5	364.0	354.0	409.6	490.4	500.6	510.6	505.7
82.5°	146.6	177.0	177.0	202.3	242.7	232.6	273.0	318.5	318.5	318.5	328.7
85°	91.0	101.1	80.9	106.2	136.6	131.5	151.7	171.9	177.0	177.0	166.8
87.5°	55.6	45.5	25.3	40.4	60.7	60.7	70.8	75.8	70.8	70.8	70.8
90°	16.0	11.1	6.2	11.1	16.0	17.2	27.1	40.2	46.8	41.6	31.2
92.5°	108.4	66.4	24.6	66.4	108.4	118.8	167.0	231.4	263.5	231.0	165.8
95°	212.4	135.8	59.2	135.8	212.4	231.6	411.1	650.7	770.4	687.4	521.6
97.5°	237.4	169.8	102.2	169.8	237.4	254.4	553.9	953.2	1152.9	1100.5	995.6
100°	258.1	196.8	135.5	196.8	258.1	273.4	605.8	1048.9	1270.5	1274.3	1282.0
102.5°	278.2	221.0	163.8	221.0	278.2	292.5	629.6	1079.1	1303.8	1370.5	1504.1
105°	308.7	260.3	211.8	260.3	308.7	320.8	647.2	1082.5	1300.1	1449.8	1749.2
107.5°	351.5	306.3	261.2	306.3	351.5	362.7	650.6	1034.3	1226.2	1435.0	1852.8
110°	376.0	335.2	294.4	335.2	376.0	386.1	645.6	991.6	1164.6	1398.1	1865.0



TEST NUMBER: P934577

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	404.7	365.8	327.0	365.8	404.7	414.4	645.8	954.3	1108.5	1347.5	1825.4
115°	448.0	412.1	376.3	412.1	448.0	457.0	651.8	911.5	1041.4	1271.6	1731.9
117.5°	490.0	457.5	424.9	457.5	490.0	498.2	663.8	884.7	995.2	1203.0	1618.4
120°	514.5	484.0	453.3	484.0	514.5	522.2	673.7	875.8	976.8	1166.6	1546.2
122.5°	542.8	511.9	481.0	511.9	542.8	550.6	687.9	871.0	962.5	1133.4	1475.4
125°	579.9	551.7	523.5	551.7	579.9	586.9	707.1	867.1	947.2	1092.4	1382.7
127.5°	614.9	586.4	558.0	586.4	614.9	622.0	726.1	864.8	934.2	1058.9	1308.2
130°	637.7	607.2	576.5	607.2	637.7	645.4	740.0	866.2	929.4	1040.3	1262.3
132.5°	656.9	626.2	595.5	626.2	656.9	664.5	751.4	867.1	925.0	1024.4	1223.1
135°	679.7	651.8	623.9	651.8	679.7	686.6	763.6	866.3	917.6	1000.9	1167.3
137.5°	708.2	680.5	652.8	680.5	708.2	715.0	782.2	871.7	916.4	986.7	1127.5
140°	727.7	702.3	676.8	702.3	727.7	734.1	793.4	872.5	912.0	972.8	1094.4
142.5°	742.4	718.8	695.3	718.8	742.4	748.3	802.9	875.7	912.0	965.4	1072.2
145°	764.6	744.1	723.6	744.1	764.6	769.8	815.2	875.7	906.0	949.6	1036.9
147.5°	791.9	771.9	752.0	771.9	791.9	796.9	833.3	881.8	906.0	940.3	1009.0
150°	806.6	788.4	770.4	788.4	806.6	811.0	842.7	884.8	906.0	934.9	992.9
152.5°	816.9	803.2	789.5	803.2	816.9	820.3	848.9	886.9	906.0	930.8	980.3
155°	838.1	828.0	817.8	828.0	838.1	840.6	862.4	891.4	906.0	925.7	965.0
157.5°	858.5	848.7	838.8	848.7	858.5	860.9	876.0	896.0	906.0	921.3	951.9
160°	868.3	860.6	853.0	860.6	868.3	870.2	882.2	898.0	906.0	919.1	945.3
162.5°	878.7	872.9	867.1	872.9	878.7	880.1	888.7	900.2	906.0	917.0	939.1
165°	892.9	887.7	882.6	887.7	892.9	894.2	898.1	903.4	906.0	913.9	929.8
167.5°	901.6	899.1	896.7	899.1	901.6	902.2	905.5	909.8	912.0	917.2	927.7
170°	910.8	908.4	906.0	908.4	910.8	911.4	911.6	911.9	912.0	917.2	927.7
172.5°	911.9	911.3	910.8	911.3	911.9	912.0	912.0	912.0	912.0	916.1	924.4
175°	917.6	917.6	917.6	917.6	917.6	917.6	915.7	913.2	912.0	914.6	919.9
177.5°	917.6	917.6	917.6	917.6	917.6	917.6	916.2	914.3	913.3	915.4	919.5
180°	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6



TEST NUMBER: P934577

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5
2.5°	5157.4	5142.2	5162.5	5106.9	5162.5	5142.2	5157.4	5192.8	5162.5	5182.7	5202.9
5°	4525.4	4500.1	4419.2	4353.5	4419.2	4500.1	4525.4	4631.6	4682.1	4773.1	4894.4
7.5°	4045.1	4024.8	4004.6	3964.2	4004.6	4024.8	4045.1	4075.3	4125.9	4206.8	4297.8
10°	3938.9	3943.9	3974.2	3969.2	3974.2	3943.9	3938.9	3928.7	3913.6	3928.7	3984.4
12.5°	4211.9	4257.4	4424.2	4414.2	4424.2	4257.4	4211.9	4009.6	3873.1	3847.8	3857.9
15°	4525.4	4540.6	4575.9	4581.0	4575.9	4540.6	4525.4	4444.5	4034.9	3857.9	3802.3
17.5°	4555.7	4560.8	4586.1	4586.1	4586.1	4560.8	4555.7	4520.3	4383.8	4146.1	3832.7
20°	4530.4	4540.6	4591.2	4601.2	4591.2	4540.6	4530.4	4484.9	4409.1	4323.1	4085.5
22.5°	4520.3	4540.6	4581.0	4575.9	4581.0	4540.6	4520.3	4449.5	4383.8	4323.1	4227.0
25°	4469.7	4469.7	4474.8	4479.9	4474.8	4469.7	4469.7	4414.2	4282.7	4267.5	4211.9
27.5°	4363.6	4373.7	4404.0	4398.9	4404.0	4373.7	4363.6	4343.4	4201.8	4186.6	4146.1
30°	4267.5	4257.4	4232.1	4211.9	4232.1	4257.4	4267.5	4237.2	4095.6	4055.1	4065.3
32.5°	4105.7	4080.4	4055.1	4040.0	4055.1	4080.4	4105.7	4095.6	3989.4	3933.8	3943.9
35°	3913.6	3918.7	3913.6	3898.4	3913.6	3918.7	3913.6	3923.6	3857.9	3807.4	3802.3
37.5°	3777.0	3787.2	3782.1	3761.9	3782.1	3787.2	3777.0	3767.0	3675.9	3660.8	3670.9
40°	3635.5	3640.6	3635.5	3620.3	3635.5	3640.6	3635.5	3615.3	3488.9	3493.9	3529.3
42.5°	3498.9	3493.9	3478.7	3468.6	3478.7	3493.9	3498.9	3468.6	3306.8	3291.7	3357.4
45°	3342.2	3347.3	3316.9	3301.7	3316.9	3347.3	3342.2	3322.0	3155.1	3114.7	3160.2
47.5°	3185.5	3185.5	3160.2	3145.0	3160.2	3185.5	3185.5	3160.2	2983.2	2942.8	2968.1
50°	3018.6	3013.6	2978.1	2973.1	2978.1	3013.6	3018.6	3003.4	2816.4	2780.9	2780.9
52.5°	2826.4	2826.4	2831.5	2841.6	2831.5	2826.4	2826.4	2831.5	2664.7	2629.2	2619.2
55°	2659.6	2664.7	2700.1	2710.2	2700.1	2664.7	2659.6	2659.6	2507.9	2472.6	2452.3
57.5°	2487.7	2487.7	2513.0	2513.0	2513.0	2487.7	2487.7	2477.6	2330.9	2300.7	2290.5
60°	2290.5	2300.7	2320.9	2315.8	2320.9	2300.7	2290.5	2280.3	2153.9	2133.7	2098.4
62.5°	2083.2	2093.3	2098.4	2088.2	2098.4	2093.3	2083.2	2052.9	1977.0	1961.8	1916.3
65°	1865.8	1875.9	1880.9	1870.8	1880.9	1875.9	1865.8	1850.6	1795.0	1769.7	1729.3
67.5°	1643.3	1638.2	1633.1	1653.4	1633.1	1638.2	1643.3	1623.1	1587.7	1567.4	1511.8
70°	1415.7	1415.7	1410.7	1420.8	1410.7	1415.7	1415.7	1400.6	1380.4	1365.2	1314.6
72.5°	1173.1	1168.0	1188.2	1173.1	1188.2	1168.0	1173.1	1168.0	1157.8	1142.7	1092.1
75°	935.4	945.5	935.4	950.6	935.4	945.5	935.4	940.4	935.4	925.3	889.9
77.5°	712.9	723.1	712.9	712.9	712.9	723.1	712.9	718.0	718.0	718.0	687.6
80°	505.7	500.6	500.6	495.5	500.6	500.6	505.7	505.7	510.6	500.6	490.4
82.5°	323.6	318.5	318.5	328.7	318.5	318.5	323.6	328.7	318.5	318.5	318.5
85°	177.0	182.1	171.9	171.9	171.9	182.1	177.0	166.8	177.0	177.0	171.9
87.5°	65.7	60.7	60.7	60.7	60.7	60.7	65.7	70.8	70.8	70.8	75.8
90°	23.4	23.4	23.4	23.4	23.4	23.4	23.4	31.2	41.6	46.8	40.2
92.5°	117.0	112.3	93.7	75.1	93.7	112.3	117.0	165.8	231.0	263.5	231.4
95°	397.2	383.1	326.7	270.3	326.7	383.1	397.2	521.6	687.4	770.4	650.7
97.5°	917.0	890.2	782.9	675.6	782.9	890.2	917.0	995.6	1100.5	1152.9	953.2
100°	1287.7	1255.8	1128.0	1000.2	1128.0	1255.8	1287.7	1282.0	1274.3	1270.5	1048.9
102.5°	1604.3	1576.9	1467.4	1357.9	1467.4	1576.9	1604.3	1504.1	1370.5	1303.8	1079.1
105°	1973.8	1959.0	1900.3	1841.4	1900.3	1959.0	1973.8	1749.2	1449.8	1300.1	1082.5
107.5°	2166.0	2169.6	2183.7	2198.0	2183.7	2169.6	2166.0	1852.8	1435.0	1226.2	1034.3
110°	2215.2	2230.5	2291.8	2353.1	2291.8	2230.5	2215.2	1865.0	1398.1	1164.6	991.6



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2183.8	2207.3	2301.6	2395.7	2301.6	2207.3	2183.8	1825.4	1347.5	1108.5	954.3
115°	2077.3	2109.9	2240.5	2371.1	2240.5	2109.9	2077.3	1731.9	1271.6	1041.4	911.5
117.5°	1930.0	1966.2	2111.0	2255.8	2111.0	1966.2	1930.0	1618.4	1203.0	995.2	884.7
120°	1830.9	1866.1	2006.8	2147.5	2006.8	1866.1	1830.9	1546.2	1166.6	976.8	875.8
122.5°	1731.7	1766.4	1905.2	2044.0	1905.2	1766.4	1731.7	1475.4	1133.4	962.5	871.0
125°	1600.6	1632.5	1760.3	1888.2	1760.3	1632.5	1600.6	1382.7	1092.4	947.2	867.1
127.5°	1495.3	1522.3	1630.1	1737.9	1630.1	1522.3	1495.3	1308.2	1058.9	934.2	864.8
130°	1428.8	1453.7	1553.4	1653.0	1553.4	1453.7	1428.8	1262.3	1040.3	929.4	866.2
132.5°	1372.1	1394.4	1483.6	1572.9	1483.6	1394.4	1372.1	1223.1	1024.4	925.0	867.1
135°	1292.1	1311.3	1388.2	1465.1	1388.2	1311.3	1292.1	1167.3	1000.9	917.6	866.3
137.5°	1232.9	1248.7	1311.6	1374.6	1311.6	1248.7	1232.9	1127.5	986.7	916.4	871.7
140°	1185.5	1200.3	1259.0	1317.9	1259.0	1200.3	1185.5	1094.4	972.8	912.0	872.5
142.5°	1152.3	1164.9	1215.6	1266.2	1215.6	1164.9	1152.3	1072.2	965.4	912.0	875.7
145°	1102.4	1111.9	1150.3	1188.6	1150.3	1111.9	1102.4	1036.9	949.6	906.0	875.7
147.5°	1060.5	1068.5	1100.2	1132.0	1100.2	1068.5	1060.5	1009.0	940.3	906.0	881.8
150°	1036.4	1042.9	1068.6	1094.4	1068.6	1042.9	1036.4	992.9	934.9	906.0	884.8
152.5°	1017.4	1022.3	1041.7	1061.1	1041.7	1022.3	1017.4	980.3	930.8	906.0	886.9
155°	994.6	997.8	1010.7	1023.6	1010.7	997.8	994.6	965.0	925.7	906.0	891.4
157.5°	974.9	977.2	986.1	995.2	986.1	977.2	974.9	951.9	921.3	906.0	896.0
160°	965.0	966.3	971.6	976.8	971.6	966.3	965.0	945.3	919.1	906.0	898.0
162.5°	955.8	957.0	961.9	966.9	961.9	957.0	955.8	939.1	917.0	906.0	900.2
165°	941.6	942.9	948.2	953.4	948.2	942.9	941.6	929.8	913.9	906.0	903.4
167.5°	935.4	936.0	938.2	940.4	938.2	936.0	935.4	927.7	917.2	912.0	909.8
170°	935.4	935.4	935.4	935.4	935.4	935.4	935.4	927.7	917.2	912.0	911.9
172.5°	930.6	930.1	928.2	926.3	928.2	930.1	930.6	924.4	916.1	912.0	912.0
175°	923.8	923.8	923.8	923.8	923.8	923.8	923.8	919.9	914.6	912.0	913.2
177.5°	922.6	922.0	919.8	917.6	919.8	922.0	922.6	919.5	915.4	913.3	914.3
180°	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6	917.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	5344.5	5344.5	5344.5	5344.5	5344.5
2.5°	5278.8	5304.1	5319.2	5339.5	5390.1
5°	5076.5	5172.6	5202.9	5278.8	5369.7
7.5°	4631.6	4924.8	5005.7	5187.8	5329.3
10°	4201.8	4495.0	4636.6	5066.5	5278.8
12.5°	3984.4	4156.3	4252.3	4854.0	5208.0
15°	3847.8	3969.2	4040.0	4570.8	5127.1
17.5°	3741.7	3827.6	3878.2	4292.8	5015.9
20°	3675.9	3716.4	3761.9	4090.6	4889.5
22.5°	3630.4	3605.1	3640.6	3948.9	4717.6
25°	3600.0	3504.0	3544.5	3837.7	4515.3
27.5°	3625.3	3413.0	3428.1	3736.6	4302.9
30°	3630.4	3301.7	3306.8	3630.4	4065.3
32.5°	3595.1	3185.5	3190.5	3498.9	3797.2
35°	3509.1	3049.0	3043.9	3347.3	3433.2
37.5°	3392.8	2902.3	2902.3	3180.4	3033.8
40°	3251.2	2755.6	2770.9	2963.0	2679.8
42.5°	3079.2	2599.0	2619.2	2674.8	2416.9
45°	2892.2	2447.3	2462.4	2260.1	2214.6
47.5°	2684.9	2290.5	2295.6	1875.9	2149.0
50°	2437.1	2128.7	2108.4	1607.9	2143.9
52.5°	2219.7	1951.8	1891.0	1456.3	1946.7
55°	2007.3	1764.6	1633.1	1339.9	1805.1
57.5°	1820.3	1522.0	1395.5	1203.4	1774.8
60°	1648.4	1284.3	1188.2	1056.8	1628.2
62.5°	1506.7	1107.4	1087.1	955.7	1476.5
65°	1355.1	985.9	981.0	869.7	1254.0
67.5°	1208.4	905.1	900.0	788.7	955.7
70°	1051.7	819.1	809.1	702.8	707.9
72.5°	889.9	723.1	712.9	632.1	586.5
75°	728.1	611.8	606.8	551.1	475.3
77.5°	571.4	485.5	495.5	444.9	348.9
80°	409.6	354.0	364.0	318.5	262.9
82.5°	273.0	232.6	242.7	202.3	177.0
85°	151.7	131.5	136.6	106.2	80.9
87.5°	70.8	60.7	60.7	40.4	25.3
90°	27.1	17.2	16.0	11.1	6.2
92.5°	167.0	118.8	108.4	66.4	24.6
95°	411.1	231.6	212.4	135.8	59.2
97.5°	553.9	254.4	237.4	169.8	102.2
100°	605.8	273.4	258.1	196.8	135.5
102.5°	629.6	292.5	278.2	221.0	163.8
105°	647.2	320.8	308.7	260.3	211.8
107.5°	650.6	362.7	351.5	306.3	261.2
110°	645.6	386.1	376.0	335.2	294.4



TEST NUMBER: P934577

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	645.8	414.4	404.7	365.8	327.0
115°	651.8	457.0	448.0	412.1	376.3
117.5°	663.8	498.2	490.0	457.5	424.9
120°	673.7	522.2	514.5	484.0	453.3
122.5°	687.9	550.6	542.8	511.9	481.0
125°	707.1	586.9	579.9	551.7	523.5
127.5°	726.1	622.0	614.9	586.4	558.0
130°	740.0	645.4	637.7	607.2	576.5
132.5°	751.4	664.5	656.9	626.2	595.5
135°	763.6	686.6	679.7	651.8	623.9
137.5°	782.2	715.0	708.2	680.5	652.8
140°	793.4	734.1	727.7	702.3	676.8
142.5°	802.9	748.3	742.4	718.8	695.3
145°	815.2	769.8	764.6	744.1	723.6
147.5°	833.3	796.9	791.9	771.9	752.0
150°	842.7	811.0	806.6	788.4	770.4
152.5°	848.9	820.3	816.9	803.2	789.5
155°	862.4	840.6	838.1	828.0	817.8
157.5°	876.0	860.9	858.5	848.7	838.8
160°	882.2	870.2	868.3	860.6	853.0
162.5°	888.7	880.1	878.7	872.9	867.1
165°	898.1	894.2	892.9	887.7	882.6
167.5°	905.5	902.2	901.6	899.1	896.7
170°	911.6	911.4	910.8	908.4	906.0
172.5°	912.0	912.0	911.9	911.3	910.8
175°	915.7	917.6	917.6	917.6	917.6
177.5°	916.2	917.6	917.6	917.6	917.6
180°	917.6	917.6	917.6	917.6	917.6



TEST NUMBER: P934577
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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	16.23	17.30	16.99	18.09	19.04	19.08	20.15	19.84	20.94	21.89
	3H	16.72	17.68	17.50	18.48	19.46	20.45	21.41	21.22	22.21	23.19
	4H	16.92	17.83	17.71	18.63	19.63	20.90	21.81	21.70	22.62	23.61
	6H	17.05	17.89	17.86	18.70	19.71	21.20	22.04	22.01	22.86	23.87
	8H	17.06	17.86	17.87	18.69	19.70	21.29	22.09	22.11	22.92	23.93
	12H	17.03	17.80	17.86	18.62	19.66	21.34	22.10	22.16	22.93	23.96
4H	2H	17.29	18.20	18.09	19.00	20.00	19.51	20.42	20.31	21.23	22.22
	3H	18.34	19.09	19.15	19.93	20.95	21.04	21.80	21.85	22.64	23.65
	4H	18.62	19.31	19.45	20.15	21.19	21.58	22.27	22.41	23.11	24.15
	6H	18.76	19.35	19.60	20.22	21.26	21.97	22.56	22.81	23.43	24.47
	8H	18.77	19.33	19.61	20.18	21.24	22.08	22.64	22.93	23.50	24.55
	12H	18.75	19.25	19.61	20.13	21.19	22.15	22.65	23.02	23.53	24.60
8H	4H	19.09	19.65	19.94	20.51	21.57	21.73	22.28	22.57	23.14	24.20
	6H	19.37	19.83	20.24	20.73	21.78	22.18	22.64	23.05	23.54	24.60
	8H	19.41	19.82	20.29	20.71	21.79	22.33	22.74	23.22	23.64	24.71
	12H	19.40	19.76	20.29	20.65	21.78	22.45	22.81	23.33	23.69	24.82
12H	4H	19.11	19.61	19.98	20.49	21.55	21.70	22.20	22.57	23.08	24.14
	6H	19.43	19.84	20.31	20.73	21.81	22.17	22.59	23.06	23.48	24.55
	8H	19.51	19.87	20.39	20.75	21.88	22.35	22.71	23.24	23.60	24.72