

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: P934530

Luminaire Tested: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-12-6500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934530
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-92765-1D-UNV-STD-W-12-6500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

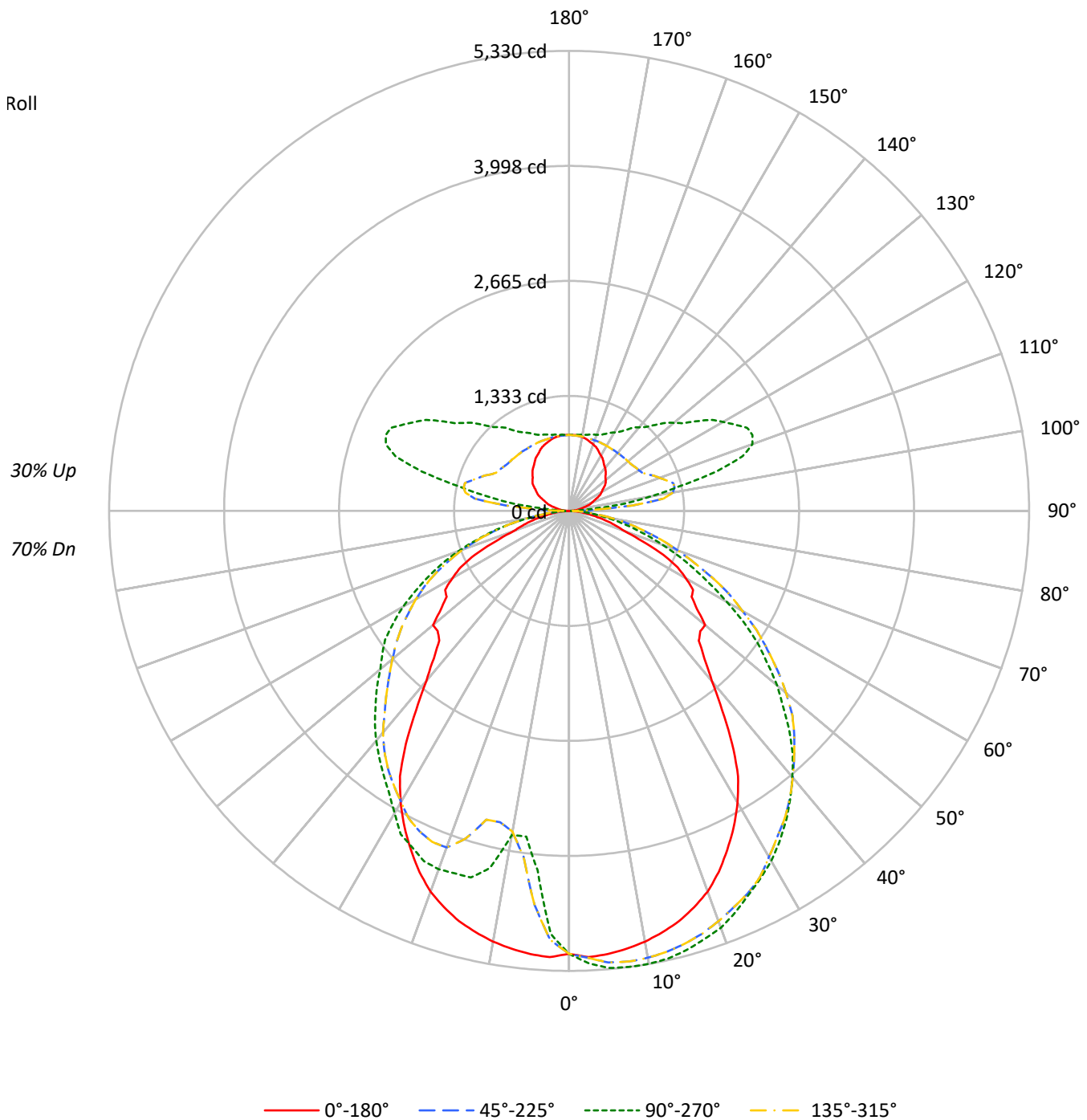
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19017.7 lumens
Efficiency: N/A
Efficacy: 113.2 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 (A_{in}): 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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CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-12-6500K

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15870	15870	15870	15870
5°	15994	16020	15994	12597
10°	15894	15781	15894	11282
15°	15727	15439	15727	12892
20°	15404	15034	15404	12919
25°	14737	14443	14737	12645
30°	13872	13953	13872	12044
35°	12373	13332	12373	11383
40°	10316	12602	10316	10884
45°	9223	11747	9223	10310
50°	9807	10728	9807	9734
55°	9235	9629	9235	9401
60°	9532	8178	9532	8610
65°	8656	6761	8656	7557
70°	6008	5387	6008	6334
75°	5289	3983	5289	4769
80°	4293	2633	4293	2867
85°	2514	1395	2514	1185

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14127 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	463.2	2.4
10°-20°	1315.0	6.9
20°-30°	2032.8	10.7
30°-40°	2426.7	12.8
40°-50°	2440.9	12.8
50°-60°	2123.9	11.2
60°-70°	1505.9	7.9
70°-80°	796.7	4.2
80°-90°	201.8	1.1
90°-100°	429.4	2.3
100°-110°	1129.0	5.9
110°-120°	1170.6	6.2
120°-130°	939.0	4.9
130°-140°	736.8	3.9
140°-150°	565.5	3.0
150°-160°	407.3	2.1
160°-170°	249.2	1.3
170°-180°	84.2	0.4
0°-30°	3811.0	20.0
0°-40°	6237.7	32.8
0°-60°	10802.5	56.8
0°-90°	13306.9	70.0
90°-120°	2729.0	14.3
90°-150°	4970.2	26.1
90°-180°	5711.0	30.0
0°-180°	19017.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5131	5131	5131	5131	5131	
5°	5155	5315	5155	4180	5155	489
15°	4922	5267	4922	4398	4922	1385
25°	4335	4912	4335	4301	4335	1990
35°	3296	4383	3296	3743	3296	2039
45°	2126	3612	2126	3170	2126	1703
55°	1733	2665	1733	2602	1733	1592
65°	1204	1607	1204	1796	1204	1151
75°	456	762	456	913	456	480
85°	78	194	78	165	78	105
90°	6	22	6	22	6	8
95°	57	260	57	260	57	63
105°	203	1768	203	1768	203	216
115°	361	2276	361	2276	361	357
125°	503	1813	503	1813	503	446
135°	599	1407	599	1407	599	463
145°	695	1141	695	1141	695	435
155°	785	983	785	983	785	361
165°	847	915	847	915	847	239
175°	881	887	881	887	881	84
180°	881	881	881	881	881	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9
2.5°	5174.6	5174.6	5203.7	5213.5	5213.5	5198.8	5184.3	5198.8	5242.5	5257.1	5252.3
5°	5155.1	5194.0	5247.4	5257.1	5266.8	5261.9	5252.3	5261.9	5310.5	5320.3	5325.0
7.5°	5116.3	5189.2	5257.1	5271.7	5286.2	5271.7	5266.8	5276.6	5325.0	5334.8	5334.8
10°	5067.8	5169.8	5247.4	5257.1	5271.7	5257.1	5257.1	5276.6	5325.0	5334.8	5339.7
12.5°	4999.8	5140.6	5213.5	5223.1	5242.5	5237.6	5232.9	5252.3	5300.8	5310.5	5310.5
15°	4922.2	5087.2	5155.1	5164.9	5198.8	5189.2	5189.2	5208.6	5261.9	5276.6	5271.7
17.5°	4815.4	5019.2	5096.9	5111.5	5135.7	5130.9	5135.7	5155.1	5203.7	5213.5	5218.2
20°	4694.0	4927.0	5019.2	5033.8	5058.1	5058.1	5058.1	5082.4	5130.9	5150.3	5150.3
22.5°	4529.0	4829.9	4927.0	4936.7	4965.9	4965.9	4975.6	5009.5	5053.2	5058.1	5058.1
25°	4334.8	4723.1	4805.6	4834.8	4864.0	4878.5	4893.0	4912.4	4927.0	4922.2	4927.0
27.5°	4130.9	4587.2	4694.0	4713.5	4752.3	4766.8	4786.2	4791.1	4796.0	4810.5	4800.9
30°	3902.8	4397.9	4558.1	4577.5	4640.6	4650.3	4630.9	4640.6	4664.9	4674.6	4684.3
32.5°	3645.5	4116.4	4417.3	4461.0	4519.3	4490.2	4485.3	4499.8	4538.7	4538.7	4548.4
35°	3296.0	3897.9	4286.2	4325.1	4368.8	4334.8	4354.2	4359.1	4383.4	4397.9	4393.0
37.5°	2912.6	3708.6	4150.4	4179.5	4213.5	4169.8	4198.9	4213.5	4232.9	4223.1	4223.1
40°	2572.7	3412.5	3990.2	4009.6	4038.7	4004.7	4033.9	4043.5	4053.3	4043.5	4038.7
42.5°	2320.3	3087.3	3820.3	3844.6	3825.2	3849.3	3859.1	3878.5	3864.0	3844.6	3844.6
45°	2126.1	2999.9	3635.8	3664.9	3635.8	3674.6	3689.2	3689.2	3645.5	3635.8	3631.0
47.5°	2063.1	2825.2	3451.4	3451.4	3436.7	3485.3	3509.6	3475.6	3432.0	3417.3	3417.3
50°	2058.2	2631.0	3198.9	3179.5	3247.4	3305.8	3281.5	3247.4	3213.5	3160.1	3160.1
52.5°	1868.9	2393.2	2873.6	2946.5	3053.3	3087.3	3048.4	3014.5	2956.2	2932.0	2912.6
55°	1732.9	2145.6	2577.6	2723.2	2834.8	2878.5	2805.8	2771.7	2684.4	2669.8	2660.1
57.5°	1703.8	1786.4	2305.8	2490.2	2626.1	2621.3	2577.6	2514.5	2441.6	2427.1	2422.2
60°	1563.1	1291.2	2014.5	2232.9	2373.7	2359.1	2320.3	2262.1	2194.1	2184.4	2174.7
62.5°	1417.5	936.9	1684.4	1932.0	2131.0	2126.1	2092.2	2004.8	1956.3	1932.0	1912.6
65°	1203.8	786.4	1199.0	1606.8	1893.2	1902.8	1830.1	1766.9	1713.5	1684.4	1679.6
67.5°	917.5	640.7	810.7	1339.7	1665.0	1655.3	1563.1	1533.9	1465.9	1451.4	1422.2
70°	679.6	427.1	563.1	1087.4	1441.7	1417.5	1344.6	1310.7	1247.5	1213.5	1194.1
72.5°	563.1	344.6	412.6	844.6	1213.5	1184.4	1121.3	1082.5	1029.1	1000.0	980.6
75°	456.3	364.0	315.5	626.2	985.4	965.9	907.7	868.9	825.2	786.4	791.2
77.5°	335.0	339.8	252.4	461.2	781.5	752.4	718.4	669.9	650.5	611.7	611.7
80°	252.4	267.0	189.3	315.5	563.1	563.1	533.9	500.0	466.0	446.5	446.5
82.5°	169.9	169.9	140.8	199.0	383.5	368.9	349.5	339.8	320.4	310.7	310.7
85°	77.6	97.1	87.4	121.3	208.7	218.4	218.4	208.7	203.9	194.2	199.0
87.5°	24.3	43.7	53.4	68.0	106.8	111.7	116.5	116.5	116.5	121.3	121.3
90°	5.9	10.6	15.4	16.5	26.0	38.6	44.9	40.0	29.9	22.5	22.5
92.5°	23.6	63.8	104.0	114.1	160.4	222.1	253.0	221.7	159.2	112.4	107.9
95°	56.8	130.3	204.0	222.3	394.7	624.7	739.6	660.0	500.8	381.3	367.8
97.5°	98.1	163.0	228.0	244.2	531.7	915.1	1106.8	1056.5	955.8	880.4	854.6
100°	130.0	188.9	247.7	262.5	581.6	1007.0	1219.7	1223.4	1230.7	1236.3	1205.6
102.5°	157.3	212.2	267.1	280.8	604.4	1035.9	1251.7	1315.7	1443.9	1540.1	1513.8
105°	203.4	249.9	296.3	308.0	621.3	1039.2	1248.1	1391.8	1679.3	1894.9	1880.7
107.5°	250.7	294.0	337.4	348.2	624.6	993.0	1177.2	1377.7	1778.7	2079.4	2082.9
110°	282.7	321.8	361.0	370.7	619.8	952.0	1118.1	1342.2	1790.5	2126.7	2141.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	313.9	351.2	388.5	397.9	620.0	916.1	1064.2	1293.6	1752.4	2096.5	2119.1
115°	361.2	395.7	430.1	438.7	625.7	875.1	999.8	1220.8	1662.7	1994.2	2025.6
117.5°	407.9	439.2	470.4	478.3	637.3	849.4	955.4	1154.9	1553.7	1852.9	1887.6
120°	435.2	464.6	494.0	501.3	646.8	840.8	937.7	1120.0	1484.4	1757.8	1791.5
122.5°	461.7	491.5	521.1	528.6	660.4	836.2	924.1	1088.1	1416.4	1662.5	1695.8
125°	502.6	529.6	556.7	563.5	678.8	832.5	909.3	1048.8	1327.5	1536.6	1567.3
127.5°	535.7	563.0	590.4	597.1	697.1	830.3	896.9	1016.6	1256.0	1435.5	1461.4
130°	553.4	582.9	612.3	619.6	710.5	831.6	892.2	998.7	1211.9	1371.7	1395.6
132.5°	571.7	601.2	630.6	638.0	721.4	832.5	888.0	983.4	1174.2	1317.3	1338.7
135°	599.0	625.7	652.5	659.2	733.1	831.7	880.9	960.9	1120.7	1240.5	1258.9
137.5°	626.7	653.3	679.9	686.5	750.9	836.9	879.8	947.3	1082.4	1183.7	1198.8
140°	649.7	674.2	698.6	704.7	761.7	837.6	875.6	933.9	1050.7	1138.2	1152.3
142.5°	667.5	690.1	712.7	718.4	770.8	840.7	875.6	926.8	1029.3	1106.2	1118.4
145°	694.7	714.4	734.1	739.0	782.6	840.7	869.8	911.6	995.5	1058.3	1067.5
147.5°	721.9	741.0	760.3	765.1	800.0	846.5	869.8	902.7	968.7	1018.2	1025.8
150°	739.6	756.9	774.3	778.6	809.0	849.5	869.8	897.6	953.2	995.0	1001.2
152.5°	758.0	771.1	784.3	787.5	815.0	851.5	869.8	893.6	941.1	976.8	981.4
155°	785.1	794.9	804.6	807.0	828.0	855.8	869.8	888.7	926.5	954.9	957.9
157.5°	805.3	814.8	824.1	826.5	841.0	860.2	869.8	884.5	913.8	935.9	938.1
160°	818.9	826.2	833.6	835.4	846.9	862.1	869.8	882.4	907.5	926.5	927.7
162.5°	832.5	838.0	843.6	844.9	853.2	864.2	869.8	880.4	901.6	917.6	918.7
165°	847.3	852.3	857.2	858.5	862.2	867.3	869.8	877.4	892.6	904.0	905.2
167.5°	860.9	863.2	865.5	866.1	869.3	873.5	875.6	880.6	890.6	898.1	898.6
170°	869.8	872.0	874.4	875.0	875.2	875.5	875.6	880.6	890.6	898.1	898.1
172.5°	874.4	874.9	875.5	875.6	875.6	875.6	875.6	879.5	887.4	893.4	892.9
175°	880.9	880.9	880.9	880.9	879.1	876.7	875.6	878.1	883.1	886.9	886.9
177.5°	880.9	880.9	880.9	880.9	879.6	877.8	876.8	878.8	882.8	885.7	885.1
180°	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9
2.5°	5261.9	5247.4	5261.9	5252.3	5257.1	5242.5	5198.8	5184.3	5198.8	5213.5	5213.5
5°	5325.0	5315.4	5325.0	5325.0	5320.3	5310.5	5261.9	5252.3	5261.9	5266.8	5257.1
7.5°	5344.4	5329.9	5344.4	5334.8	5334.8	5325.0	5276.6	5266.8	5271.7	5286.2	5271.7
10°	5344.4	5329.9	5344.4	5339.7	5334.8	5325.0	5276.6	5257.1	5257.1	5271.7	5257.1
12.5°	5320.3	5310.5	5320.3	5310.5	5310.5	5300.8	5252.3	5232.9	5237.6	5242.5	5223.1
15°	5281.3	5266.8	5281.3	5271.7	5276.6	5261.9	5208.6	5189.2	5189.2	5198.8	5164.9
17.5°	5223.1	5203.7	5223.1	5218.2	5213.5	5203.7	5155.1	5135.7	5130.9	5135.7	5111.5
20°	5155.1	5140.6	5155.1	5150.3	5150.3	5130.9	5082.4	5058.1	5058.1	5058.1	5033.8
22.5°	5048.4	5033.8	5048.4	5058.1	5058.1	5053.2	5009.5	4975.6	4965.9	4965.9	4936.7
25°	4927.0	4912.4	4927.0	4927.0	4922.2	4927.0	4912.4	4893.0	4878.5	4864.0	4834.8
27.5°	4810.5	4800.9	4810.5	4800.9	4810.5	4796.0	4791.1	4786.2	4766.8	4752.3	4713.5
30°	4694.0	4684.3	4694.0	4684.3	4674.6	4664.9	4640.6	4630.9	4650.3	4640.6	4577.5
32.5°	4548.4	4538.7	4548.4	4548.4	4538.7	4538.7	4499.8	4485.3	4490.2	4519.3	4461.0
35°	4397.9	4383.4	4397.9	4393.0	4397.9	4383.4	4359.1	4354.2	4334.8	4368.8	4325.1
37.5°	4223.1	4208.6	4223.1	4223.1	4223.1	4232.9	4213.5	4198.9	4169.8	4213.5	4179.5
40°	4043.5	4024.1	4043.5	4038.7	4043.5	4053.3	4043.5	4033.9	4004.7	4038.7	4009.6
42.5°	3839.7	3834.8	3839.7	3844.6	3844.6	3864.0	3878.5	3859.1	3849.3	3825.2	3844.6
45°	3621.2	3611.5	3621.2	3631.0	3635.8	3645.5	3689.2	3689.2	3674.6	3635.8	3664.9
47.5°	3388.3	3364.0	3388.3	3417.3	3417.3	3432.0	3475.6	3509.6	3485.3	3436.7	3451.4
50°	3140.7	3145.5	3140.7	3160.1	3160.1	3213.5	3247.4	3281.5	3305.8	3247.4	3179.5
52.5°	2897.9	2893.2	2897.9	2912.6	2932.0	2956.2	3014.5	3048.4	3087.3	3053.3	2946.5
55°	2655.3	2665.0	2655.3	2660.1	2669.8	2684.4	2771.7	2805.8	2878.5	2834.8	2723.2
57.5°	2412.6	2397.9	2412.6	2422.2	2427.1	2441.6	2514.5	2577.6	2621.3	2626.1	2490.2
60°	2131.0	2111.6	2131.0	2174.7	2184.4	2194.1	2262.1	2320.3	2359.1	2373.7	2232.9
62.5°	1883.4	1849.5	1883.4	1912.6	1932.0	1956.3	2004.8	2092.2	2126.1	2131.0	1932.0
65°	1621.3	1606.8	1621.3	1679.6	1684.4	1713.5	1766.9	1830.1	1902.8	1893.2	1606.8
67.5°	1383.4	1383.4	1383.4	1422.2	1451.4	1465.9	1533.9	1563.1	1655.3	1665.0	1339.7
70°	1165.0	1160.1	1165.0	1194.1	1213.5	1247.5	1310.7	1344.6	1417.5	1441.7	1087.4
72.5°	956.3	951.4	956.3	980.6	1000.0	1029.1	1082.5	1121.3	1184.4	1213.5	844.6
75°	771.8	762.1	771.8	791.2	786.4	825.2	868.9	907.7	965.9	985.4	626.2
77.5°	592.2	592.2	592.2	611.7	611.7	650.5	669.9	718.4	752.4	781.5	461.2
80°	441.8	436.9	441.8	446.5	446.5	466.0	500.0	533.9	563.1	563.1	315.5
82.5°	310.7	300.9	310.7	310.7	310.7	320.4	339.8	349.5	368.9	383.5	199.0
85°	194.2	194.2	194.2	199.0	194.2	203.9	208.7	218.4	218.4	208.7	121.3
87.5°	126.2	121.3	126.2	121.3	121.3	116.5	116.5	116.5	111.7	106.8	68.0
90°	22.5	22.5	22.5	22.5	22.5	29.9	40.0	44.9	38.6	26.0	16.5
92.5°	90.0	72.1	90.0	107.9	112.4	159.2	221.7	253.0	222.1	160.4	114.1
95°	313.6	259.5	313.6	367.8	381.3	500.8	660.0	739.6	624.7	394.7	222.3
97.5°	751.6	648.6	751.6	854.6	880.4	955.8	1056.5	1106.8	915.1	531.7	244.2
100°	1082.9	960.2	1082.9	1205.6	1236.3	1230.7	1223.4	1219.7	1007.0	581.6	262.5
102.5°	1408.8	1303.7	1408.8	1513.8	1540.1	1443.9	1315.7	1251.7	1035.9	604.4	280.8
105°	1824.3	1767.8	1824.3	1880.7	1894.9	1679.3	1391.8	1248.1	1039.2	621.3	308.0
107.5°	2096.5	2110.1	2096.5	2082.9	2079.4	1778.7	1377.7	1177.2	993.0	624.6	348.2
110°	2200.2	2259.1	2200.2	2141.4	2126.7	1790.5	1342.2	1118.1	952.0	619.8	370.7



TEST NUMBER: P934530

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2209.6	2299.9	2209.6	2119.1	2096.5	1752.4	1293.6	1064.2	916.1	620.0	397.9
115°	2151.0	2276.3	2151.0	2025.6	1994.2	1662.7	1220.8	999.8	875.1	625.7	438.7
117.5°	2026.7	2165.7	2026.7	1887.6	1852.9	1553.7	1154.9	955.4	849.4	637.3	478.3
120°	1926.6	2061.6	1926.6	1791.5	1757.8	1484.4	1120.0	937.7	840.8	646.8	501.3
122.5°	1829.1	1962.3	1829.1	1695.8	1662.5	1416.4	1088.1	924.1	836.2	660.4	528.6
125°	1690.0	1812.8	1690.0	1567.3	1536.6	1327.5	1048.8	909.3	832.5	678.8	563.5
127.5°	1564.9	1668.5	1564.9	1461.4	1435.5	1256.0	1016.6	896.9	830.3	697.1	597.1
130°	1491.3	1586.9	1491.3	1395.6	1371.7	1211.9	998.7	892.2	831.6	710.5	619.6
132.5°	1424.3	1510.0	1424.3	1338.7	1317.3	1174.2	983.4	888.0	832.5	721.4	638.0
135°	1332.7	1406.6	1332.7	1258.9	1240.5	1120.7	960.9	880.9	831.7	733.1	659.2
137.5°	1259.2	1319.6	1259.2	1198.8	1183.7	1082.4	947.3	879.8	836.9	750.9	686.5
140°	1208.7	1265.2	1208.7	1152.3	1138.2	1050.7	933.9	875.6	837.6	761.7	704.7
142.5°	1167.0	1215.6	1167.0	1118.4	1106.2	1029.3	926.8	875.6	840.7	770.8	718.4
145°	1104.3	1141.1	1104.3	1067.5	1058.3	995.5	911.6	869.8	840.7	782.6	739.0
147.5°	1056.2	1086.7	1056.2	1025.8	1018.2	968.7	902.7	869.8	846.5	800.0	765.1
150°	1025.9	1050.7	1025.9	1001.2	995.0	953.2	897.6	869.8	849.5	809.0	778.6
152.5°	1000.1	1018.7	1000.1	981.4	976.8	941.1	893.6	869.8	851.5	815.0	787.5
155°	970.3	982.7	970.3	957.9	954.9	926.5	888.7	869.8	855.8	828.0	807.0
157.5°	946.7	955.4	946.7	938.1	935.9	913.8	884.5	869.8	860.2	841.0	826.5
160°	932.8	937.7	932.8	927.7	926.5	907.5	882.4	869.8	862.1	846.9	835.4
162.5°	923.5	928.3	923.5	918.7	917.6	901.6	880.4	869.8	864.2	853.2	844.9
165°	910.3	915.3	910.3	905.2	904.0	892.6	877.4	869.8	867.3	862.2	858.5
167.5°	900.7	902.8	900.7	898.6	898.1	890.6	880.6	875.6	873.5	869.3	866.1
170°	898.1	898.1	898.1	898.1	898.1	890.6	880.6	875.6	875.5	875.2	875.0
172.5°	891.1	889.3	891.1	892.9	893.4	887.4	879.5	875.6	875.6	875.6	875.6
175°	886.9	886.9	886.9	886.9	886.9	883.1	878.1	875.6	876.7	879.1	880.9
177.5°	883.0	880.9	883.0	885.1	885.7	882.8	878.8	876.8	877.8	879.6	880.9
180°	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9



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CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9
2.5°	5203.7	5174.6	5174.6	5126.1	5106.6	5092.1	5067.8	4995.0	4975.6	4956.1	4985.3
5°	5247.4	5194.0	5155.1	5067.8	4995.0	4965.9	4873.6	4698.8	4582.4	4495.0	4446.5
7.5°	5257.1	5189.2	5116.3	4980.4	4805.6	4728.0	4446.5	4126.1	4038.7	3961.0	3912.5
10°	5247.4	5169.8	5067.8	4864.0	4451.3	4315.4	4033.9	3825.2	3771.7	3757.2	3771.7
12.5°	5213.5	5140.6	4999.8	4660.0	4082.4	3990.2	3825.2	3703.7	3694.1	3718.3	3849.3
15°	5155.1	5087.2	4922.2	4388.2	3878.5	3810.5	3694.1	3650.4	3703.7	3873.6	4266.8
17.5°	5096.9	5019.2	4815.4	4121.2	3723.2	3674.6	3592.1	3679.5	3980.4	4208.6	4339.7
20°	5019.2	4927.0	4694.0	3927.1	3611.5	3567.8	3529.0	3922.2	4150.4	4232.9	4305.6
22.5°	4927.0	4829.9	4529.0	3791.1	3495.1	3461.0	3485.3	4058.1	4150.4	4208.6	4271.7
25°	4805.6	4723.1	4334.8	3684.3	3402.8	3364.0	3456.2	4043.5	4096.9	4111.5	4237.8
27.5°	4694.0	4587.2	4130.9	3587.3	3291.1	3276.6	3480.4	3980.4	4019.3	4033.9	4169.8
30°	4558.1	4397.9	3902.8	3485.3	3174.7	3169.8	3485.3	3902.8	3893.0	3931.9	4067.8
32.5°	4417.3	4116.4	3645.5	3359.1	3063.0	3058.2	3451.4	3786.2	3776.6	3829.9	3931.9
35°	4286.2	3897.9	3296.0	3213.5	2922.2	2927.1	3368.9	3650.4	3655.2	3703.7	3766.8
37.5°	4150.4	3708.6	2912.6	3053.3	2786.3	2786.3	3257.2	3524.1	3514.5	3529.0	3616.4
40°	3990.2	3412.5	2572.7	2844.6	2660.1	2645.5	3121.3	3388.3	3354.2	3349.4	3470.8
42.5°	3820.3	3087.3	2320.3	2567.9	2514.5	2495.1	2956.2	3223.2	3160.1	3174.7	3329.9
45°	3635.8	2999.9	2126.1	2169.8	2364.0	2349.5	2776.6	3033.9	2990.2	3029.0	3189.2
47.5°	3451.4	2825.2	2063.1	1800.9	2203.8	2199.0	2577.6	2849.5	2825.2	2864.0	3033.9
50°	3198.9	2631.0	2058.2	1543.7	2024.2	2043.6	2339.7	2669.8	2669.8	2703.8	2883.4
52.5°	2873.6	2393.2	1868.9	1398.0	1815.4	1873.8	2131.0	2514.5	2524.2	2558.2	2718.4
55°	2577.6	2145.6	1732.9	1286.4	1567.9	1694.1	1927.1	2354.2	2373.7	2407.7	2553.3
57.5°	2305.8	1786.4	1703.8	1155.3	1339.7	1461.2	1747.5	2199.0	2208.7	2237.8	2378.5
60°	2014.5	1291.2	1563.1	1014.5	1140.7	1233.0	1582.5	2014.5	2048.5	2067.9	2189.2
62.5°	1684.4	936.9	1417.5	917.5	1043.7	1063.1	1446.5	1839.7	1883.4	1897.9	1970.8
65°	1199.0	786.4	1203.8	834.9	941.8	946.5	1300.9	1660.1	1699.0	1723.3	1776.6
67.5°	810.7	640.7	917.5	757.2	864.0	868.9	1160.1	1451.4	1504.8	1524.3	1558.2
70°	563.1	427.1	679.6	674.7	776.7	786.4	1009.6	1262.1	1310.7	1325.2	1344.6
72.5°	412.6	344.6	563.1	606.8	684.4	694.2	854.4	1048.5	1097.0	1111.6	1121.3
75°	315.5	364.0	456.3	529.1	582.5	587.4	699.0	854.4	888.3	898.1	902.8
77.5°	252.4	339.8	335.0	427.1	475.7	466.0	548.6	660.2	689.3	689.3	689.3
80°	189.3	267.0	252.4	305.8	349.5	339.8	393.2	470.8	480.6	490.2	485.5
82.5°	140.8	169.9	169.9	194.2	233.0	223.3	262.1	305.8	305.8	305.8	315.5
85°	87.4	97.1	77.6	101.9	131.1	126.2	145.6	165.0	169.9	169.9	160.2
87.5°	53.4	43.7	24.3	38.8	58.2	58.2	68.0	72.8	68.0	68.0	68.0
90°	15.4	10.6	5.9	10.6	15.4	16.5	26.0	38.6	44.9	40.0	29.9
92.5°	104.0	63.8	23.6	63.8	104.0	114.1	160.4	222.1	253.0	221.7	159.2
95°	204.0	130.3	56.8	130.3	204.0	222.3	394.7	624.7	739.6	660.0	500.8
97.5°	228.0	163.0	98.1	163.0	228.0	244.2	531.7	915.1	1106.8	1056.5	955.8
100°	247.7	188.9	130.0	188.9	247.7	262.5	581.6	1007.0	1219.7	1223.4	1230.7
102.5°	267.1	212.2	157.3	212.2	267.1	280.8	604.4	1035.9	1251.7	1315.7	1443.9
105°	296.3	249.9	203.4	249.9	296.3	308.0	621.3	1039.2	1248.1	1391.8	1679.3
107.5°	337.4	294.0	250.7	294.0	337.4	348.2	624.6	993.0	1177.2	1377.7	1778.7
110°	361.0	321.8	282.7	321.8	361.0	370.7	619.8	952.0	1118.1	1342.2	1790.5



TEST NUMBER: P934530

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	388.5	351.2	313.9	351.2	388.5	397.9	620.0	916.1	1064.2	1293.6	1752.4
115°	430.1	395.7	361.2	395.7	430.1	438.7	625.7	875.1	999.8	1220.8	1662.7
117.5°	470.4	439.2	407.9	439.2	470.4	478.3	637.3	849.4	955.4	1154.9	1553.7
120°	494.0	464.6	435.2	464.6	494.0	501.3	646.8	840.8	937.7	1120.0	1484.4
122.5°	521.1	491.5	461.7	491.5	521.1	528.6	660.4	836.2	924.1	1088.1	1416.4
125°	556.7	529.6	502.6	529.6	556.7	563.5	678.8	832.5	909.3	1048.8	1327.5
127.5°	590.4	563.0	535.7	563.0	590.4	597.1	697.1	830.3	896.9	1016.6	1256.0
130°	612.3	582.9	553.4	582.9	612.3	619.6	710.5	831.6	892.2	998.7	1211.9
132.5°	630.6	601.2	571.7	601.2	630.6	638.0	721.4	832.5	888.0	983.4	1174.2
135°	652.5	625.7	599.0	625.7	652.5	659.2	733.1	831.7	880.9	960.9	1120.7
137.5°	679.9	653.3	626.7	653.3	679.9	686.5	750.9	836.9	879.8	947.3	1082.4
140°	698.6	674.2	649.7	674.2	698.6	704.7	761.7	837.6	875.6	933.9	1050.7
142.5°	712.7	690.1	667.5	690.1	712.7	718.4	770.8	840.7	875.6	926.8	1029.3
145°	734.1	714.4	694.7	714.4	734.1	739.0	782.6	840.7	869.8	911.6	995.5
147.5°	760.3	741.0	721.9	741.0	760.3	765.1	800.0	846.5	869.8	902.7	968.7
150°	774.3	756.9	739.6	756.9	774.3	778.6	809.0	849.5	869.8	897.6	953.2
152.5°	784.3	771.1	758.0	771.1	784.3	787.5	815.0	851.5	869.8	893.6	941.1
155°	804.6	794.9	785.1	794.9	804.6	807.0	828.0	855.8	869.8	888.7	926.5
157.5°	824.1	814.8	805.3	814.8	824.1	826.5	841.0	860.2	869.8	884.5	913.8
160°	833.6	826.2	818.9	826.2	833.6	835.4	846.9	862.1	869.8	882.4	907.5
162.5°	843.6	838.0	832.5	838.0	843.6	844.9	853.2	864.2	869.8	880.4	901.6
165°	857.2	852.3	847.3	852.3	857.2	858.5	862.2	867.3	869.8	877.4	892.6
167.5°	865.5	863.2	860.9	863.2	865.5	866.1	869.3	873.5	875.6	880.6	890.6
170°	874.4	872.0	869.8	872.0	874.4	875.0	875.2	875.5	875.6	880.6	890.6
172.5°	875.5	874.9	874.4	874.9	875.5	875.6	875.6	875.6	875.6	879.5	887.4
175°	880.9	880.9	880.9	880.9	880.9	880.9	879.1	876.7	875.6	878.1	883.1
177.5°	880.9	880.9	880.9	880.9	880.9	880.9	879.6	877.8	876.8	878.8	882.8
180°	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9



TEST NUMBER: P934530

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9
2.5°	4951.3	4936.7	4956.1	4902.8	4956.1	4936.7	4951.3	4985.3	4956.1	4975.6	4995.0
5°	4344.6	4320.3	4242.5	4179.5	4242.5	4320.3	4344.6	4446.5	4495.0	4582.4	4698.8
7.5°	3883.4	3864.0	3844.6	3805.7	3844.6	3864.0	3883.4	3912.5	3961.0	4038.7	4126.1
10°	3781.5	3786.2	3815.4	3810.5	3815.4	3786.2	3781.5	3771.7	3757.2	3771.7	3825.2
12.5°	4043.5	4087.2	4247.4	4237.8	4247.4	4087.2	4043.5	3849.3	3718.3	3694.1	3703.7
15°	4344.6	4359.1	4393.0	4397.9	4393.0	4359.1	4344.6	4266.8	3873.6	3703.7	3650.4
17.5°	4373.6	4378.5	4402.8	4402.8	4402.8	4378.5	4373.6	4339.7	4208.6	3980.4	3679.5
20°	4349.3	4359.1	4407.7	4417.3	4407.7	4359.1	4349.3	4305.6	4232.9	4150.4	3922.2
22.5°	4339.7	4359.1	4397.9	4393.0	4397.9	4359.1	4339.7	4271.7	4208.6	4150.4	4058.1
25°	4291.1	4291.1	4296.0	4300.9	4296.0	4291.1	4291.1	4237.8	4111.5	4096.9	4043.5
27.5°	4189.2	4198.9	4228.0	4223.1	4228.0	4198.9	4189.2	4169.8	4033.9	4019.3	3980.4
30°	4096.9	4087.2	4063.0	4043.5	4063.0	4087.2	4096.9	4067.8	3931.9	3893.0	3902.8
32.5°	3941.6	3917.3	3893.0	3878.5	3893.0	3917.3	3941.6	3931.9	3829.9	3776.6	3786.2
35°	3757.2	3762.0	3757.2	3742.6	3757.2	3762.0	3757.2	3766.8	3703.7	3655.2	3650.4
37.5°	3626.1	3635.8	3631.0	3611.5	3631.0	3635.8	3626.1	3616.4	3529.0	3514.5	3524.1
40°	3490.2	3495.1	3490.2	3475.6	3490.2	3495.1	3490.2	3470.8	3349.4	3354.2	3388.3
42.5°	3359.1	3354.2	3339.7	3329.9	3339.7	3354.2	3359.1	3329.9	3174.7	3160.1	3223.2
45°	3208.6	3213.5	3184.3	3169.8	3184.3	3213.5	3208.6	3189.2	3029.0	2990.2	3033.9
47.5°	3058.2	3058.2	3033.9	3019.3	3033.9	3058.2	3058.2	3033.9	2864.0	2825.2	2849.5
50°	2897.9	2893.2	2859.1	2854.2	2859.1	2893.2	2897.9	2883.4	2703.8	2669.8	2669.8
52.5°	2713.5	2713.5	2718.4	2728.0	2718.4	2713.5	2713.5	2718.4	2558.2	2524.2	2514.5
55°	2553.3	2558.2	2592.1	2601.9	2592.1	2558.2	2553.3	2553.3	2407.7	2373.7	2354.2
57.5°	2388.3	2388.3	2412.6	2412.6	2412.6	2388.3	2388.3	2378.5	2237.8	2208.7	2199.0
60°	2199.0	2208.7	2228.1	2223.2	2228.1	2208.7	2199.0	2189.2	2067.9	2048.5	2014.5
62.5°	2000.0	2009.6	2014.5	2004.8	2014.5	2009.6	2000.0	1970.8	1897.9	1883.4	1839.7
65°	1791.2	1800.9	1805.8	1796.0	1805.8	1800.9	1791.2	1776.6	1723.3	1699.0	1660.1
67.5°	1577.6	1572.7	1567.9	1587.3	1567.9	1572.7	1577.6	1558.2	1524.3	1504.8	1451.4
70°	1359.1	1359.1	1354.4	1364.0	1354.4	1359.1	1359.1	1344.6	1325.2	1310.7	1262.1
72.5°	1126.2	1121.3	1140.7	1126.2	1140.7	1121.3	1126.2	1121.3	1111.6	1097.0	1048.5
75°	898.1	907.7	898.1	912.6	898.1	907.7	898.1	902.8	898.1	888.3	854.4
77.5°	684.4	694.2	684.4	684.4	684.4	694.2	684.4	689.3	689.3	689.3	660.2
80°	485.5	480.6	480.6	475.7	480.6	480.6	485.5	485.5	490.2	480.6	470.8
82.5°	310.7	305.8	305.8	315.5	305.8	305.8	310.7	315.5	305.8	305.8	305.8
85°	169.9	174.8	165.0	165.0	165.0	174.8	169.9	160.2	169.9	169.9	165.0
87.5°	63.1	58.2	58.2	58.2	58.2	58.2	63.1	68.0	68.0	68.0	72.8
90°	22.5	22.5	22.5	22.5	22.5	22.5	22.5	29.9	40.0	44.9	38.6
92.5°	112.4	107.9	90.0	72.1	90.0	107.9	112.4	159.2	221.7	253.0	222.1
95°	381.3	367.8	313.6	259.5	313.6	367.8	381.3	500.8	660.0	739.6	624.7
97.5°	880.4	854.6	751.6	648.6	751.6	854.6	880.4	955.8	1056.5	1106.8	915.1
100°	1236.3	1205.6	1082.9	960.2	1082.9	1205.6	1236.3	1230.7	1223.4	1219.7	1007.0
102.5°	1540.1	1513.8	1408.8	1303.7	1408.8	1513.8	1540.1	1443.9	1315.7	1251.7	1035.9
105°	1894.9	1880.7	1824.3	1767.8	1824.3	1880.7	1894.9	1679.3	1391.8	1248.1	1039.2
107.5°	2079.4	2082.9	2096.5	2110.1	2096.5	2082.9	2079.4	1778.7	1377.7	1177.2	993.0
110°	2126.7	2141.4	2200.2	2259.1	2200.2	2141.4	2126.7	1790.5	1342.2	1118.1	952.0



TEST NUMBER: P934530

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2096.5	2119.1	2209.6	2299.9	2209.6	2119.1	2096.5	1752.4	1293.6	1064.2	916.1
115°	1994.2	2025.6	2151.0	2276.3	2151.0	2025.6	1994.2	1662.7	1220.8	999.8	875.1
117.5°	1852.9	1887.6	2026.7	2165.7	2026.7	1887.6	1852.9	1553.7	1154.9	955.4	849.4
120°	1757.8	1791.5	1926.6	2061.6	1926.6	1791.5	1757.8	1484.4	1120.0	937.7	840.8
122.5°	1662.5	1695.8	1829.1	1962.3	1829.1	1695.8	1662.5	1416.4	1088.1	924.1	836.2
125°	1536.6	1567.3	1690.0	1812.8	1690.0	1567.3	1536.6	1327.5	1048.8	909.3	832.5
127.5°	1435.5	1461.4	1564.9	1668.5	1564.9	1461.4	1435.5	1256.0	1016.6	896.9	830.3
130°	1371.7	1395.6	1491.3	1586.9	1491.3	1395.6	1371.7	1211.9	998.7	892.2	831.6
132.5°	1317.3	1338.7	1424.3	1510.0	1424.3	1338.7	1317.3	1174.2	983.4	888.0	832.5
135°	1240.5	1258.9	1332.7	1406.6	1332.7	1258.9	1240.5	1120.7	960.9	880.9	831.7
137.5°	1183.7	1198.8	1259.2	1319.6	1259.2	1198.8	1183.7	1082.4	947.3	879.8	836.9
140°	1138.2	1152.3	1208.7	1265.2	1208.7	1152.3	1138.2	1050.7	933.9	875.6	837.6
142.5°	1106.2	1118.4	1167.0	1215.6	1167.0	1118.4	1106.2	1029.3	926.8	875.6	840.7
145°	1058.3	1067.5	1104.3	1141.1	1104.3	1067.5	1058.3	995.5	911.6	869.8	840.7
147.5°	1018.2	1025.8	1056.2	1086.7	1056.2	1025.8	1018.2	968.7	902.7	869.8	846.5
150°	995.0	1001.2	1025.9	1050.7	1025.9	1001.2	995.0	953.2	897.6	869.8	849.5
152.5°	976.8	981.4	1000.1	1018.7	1000.1	981.4	976.8	941.1	893.6	869.8	851.5
155°	954.9	957.9	970.3	982.7	970.3	957.9	954.9	926.5	888.7	869.8	855.8
157.5°	935.9	938.1	946.7	955.4	946.7	938.1	935.9	913.8	884.5	869.8	860.2
160°	926.5	927.7	932.8	937.7	932.8	927.7	926.5	907.5	882.4	869.8	862.1
162.5°	917.6	918.7	923.5	928.3	923.5	918.7	917.6	901.6	880.4	869.8	864.2
165°	904.0	905.2	910.3	915.3	910.3	905.2	904.0	892.6	877.4	869.8	867.3
167.5°	898.1	898.6	900.7	902.8	900.7	898.6	898.1	890.6	880.6	875.6	873.5
170°	898.1	898.1	898.1	898.1	898.1	898.1	898.1	890.6	880.6	875.6	875.5
172.5°	893.4	892.9	891.1	889.3	891.1	892.9	893.4	887.4	879.5	875.6	875.6
175°	886.9	886.9	886.9	886.9	886.9	886.9	886.9	883.1	878.1	875.6	876.7
177.5°	885.7	885.1	883.0	880.9	883.0	885.1	885.7	882.8	878.8	876.8	877.8
180°	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9	880.9



TEST NUMBER: P934530

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	5130.9	5130.9	5130.9	5130.9	5130.9
2.5°	5067.8	5092.1	5106.6	5126.1	5174.6
5°	4873.6	4965.9	4995.0	5067.8	5155.1
7.5°	4446.5	4728.0	4805.6	4980.4	5116.3
10°	4033.9	4315.4	4451.3	4864.0	5067.8
12.5°	3825.2	3990.2	4082.4	4660.0	4999.8
15°	3694.1	3810.5	3878.5	4388.2	4922.2
17.5°	3592.1	3674.6	3723.2	4121.2	4815.4
20°	3529.0	3567.8	3611.5	3927.1	4694.0
22.5°	3485.3	3461.0	3495.1	3791.1	4529.0
25°	3456.2	3364.0	3402.8	3684.3	4334.8
27.5°	3480.4	3276.6	3291.1	3587.3	4130.9
30°	3485.3	3169.8	3174.7	3485.3	3902.8
32.5°	3451.4	3058.2	3063.0	3359.1	3645.5
35°	3368.9	2927.1	2922.2	3213.5	3296.0
37.5°	3257.2	2786.3	2786.3	3053.3	2912.6
40°	3121.3	2645.5	2660.1	2844.6	2572.7
42.5°	2956.2	2495.1	2514.5	2567.9	2320.3
45°	2776.6	2349.5	2364.0	2169.8	2126.1
47.5°	2577.6	2199.0	2203.8	1800.9	2063.1
50°	2339.7	2043.6	2024.2	1543.7	2058.2
52.5°	2131.0	1873.8	1815.4	1398.0	1868.9
55°	1927.1	1694.1	1567.9	1286.4	1732.9
57.5°	1747.5	1461.2	1339.7	1155.3	1703.8
60°	1582.5	1233.0	1140.7	1014.5	1563.1
62.5°	1446.5	1063.1	1043.7	917.5	1417.5
65°	1300.9	946.5	941.8	834.9	1203.8
67.5°	1160.1	868.9	864.0	757.2	917.5
70°	1009.6	786.4	776.7	674.7	679.6
72.5°	854.4	694.2	684.4	606.8	563.1
75°	699.0	587.4	582.5	529.1	456.3
77.5°	548.6	466.0	475.7	427.1	335.0
80°	393.2	339.8	349.5	305.8	252.4
82.5°	262.1	223.3	233.0	194.2	169.9
85°	145.6	126.2	131.1	101.9	77.6
87.5°	68.0	58.2	58.2	38.8	24.3
90°	26.0	16.5	15.4	10.6	5.9
92.5°	160.4	114.1	104.0	63.8	23.6
95°	394.7	222.3	204.0	130.3	56.8
97.5°	531.7	244.2	228.0	163.0	98.1
100°	581.6	262.5	247.7	188.9	130.0
102.5°	604.4	280.8	267.1	212.2	157.3
105°	621.3	308.0	296.3	249.9	203.4
107.5°	624.6	348.2	337.4	294.0	250.7
110°	619.8	370.7	361.0	321.8	282.7



TEST NUMBER: P934530

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	620.0	397.9	388.5	351.2	313.9
115°	625.7	438.7	430.1	395.7	361.2
117.5°	637.3	478.3	470.4	439.2	407.9
120°	646.8	501.3	494.0	464.6	435.2
122.5°	660.4	528.6	521.1	491.5	461.7
125°	678.8	563.5	556.7	529.6	502.6
127.5°	697.1	597.1	590.4	563.0	535.7
130°	710.5	619.6	612.3	582.9	553.4
132.5°	721.4	638.0	630.6	601.2	571.7
135°	733.1	659.2	652.5	625.7	599.0
137.5°	750.9	686.5	679.9	653.3	626.7
140°	761.7	704.7	698.6	674.2	649.7
142.5°	770.8	718.4	712.7	690.1	667.5
145°	782.6	739.0	734.1	714.4	694.7
147.5°	800.0	765.1	760.3	741.0	721.9
150°	809.0	778.6	774.3	756.9	739.6
152.5°	815.0	787.5	784.3	771.1	758.0
155°	828.0	807.0	804.6	794.9	785.1
157.5°	841.0	826.5	824.1	814.8	805.3
160°	846.9	835.4	833.6	826.2	818.9
162.5°	853.2	844.9	843.6	838.0	832.5
165°	862.2	858.5	857.2	852.3	847.3
167.5°	869.3	866.1	865.5	863.2	860.9
170°	875.2	875.0	874.4	872.0	869.8
172.5°	875.6	875.6	875.5	874.9	874.4
175°	879.1	880.9	880.9	880.9	880.9
177.5°	879.6	880.9	880.9	880.9	880.9
180°	880.9	880.9	880.9	880.9	880.9



TEST NUMBER: P934530
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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	16.08	17.16	16.85	17.95	18.90	18.93	20.01	19.70	20.80	21.75
	3H	16.58	17.54	17.35	18.34	19.32	20.30	21.27	21.08	22.06	23.05
	4H	16.78	17.69	17.57	18.49	19.49	20.76	21.67	21.56	22.48	23.47
	6H	16.91	17.75	17.72	18.56	19.57	21.06	21.90	21.87	22.72	23.73
	8H	16.91	17.71	17.73	18.55	19.56	21.15	21.95	21.96	22.78	23.79
	12H	16.89	17.66	17.72	18.48	19.52	21.20	21.96	22.02	22.78	23.82
4H	2H	17.15	18.06	17.95	18.86	19.86	19.37	20.28	20.17	21.08	22.08
	3H	18.19	18.95	19.01	19.79	20.80	20.90	21.66	21.71	22.50	23.51
	4H	18.48	19.17	19.31	20.01	21.05	21.44	22.13	22.27	22.97	24.01
	6H	18.62	19.21	19.46	20.08	21.12	21.83	22.42	22.67	23.28	24.33
	8H	18.63	19.18	19.47	20.04	21.10	21.94	22.50	22.79	23.36	24.41
	12H	18.60	19.11	19.47	19.98	21.05	22.01	22.51	22.88	23.39	24.45
8H	4H	18.95	19.51	19.80	20.37	21.43	21.58	22.14	22.43	23.00	24.06
	6H	19.22	19.69	20.10	20.58	21.64	22.03	22.50	22.91	23.40	24.45
	8H	19.27	19.68	20.15	20.57	21.65	22.19	22.60	23.08	23.50	24.57
	12H	19.26	19.62	20.15	20.51	21.64	22.30	22.67	23.19	23.55	24.68
12H	4H	18.97	19.47	19.84	20.35	21.41	21.56	22.06	22.42	22.94	24.00
	6H	19.29	19.70	20.17	20.59	21.67	22.03	22.44	22.92	23.34	24.41
	8H	19.36	19.72	20.25	20.61	21.74	22.21	22.57	23.10	23.45	24.58