

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: P934580

Luminaire Tested: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934580
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-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

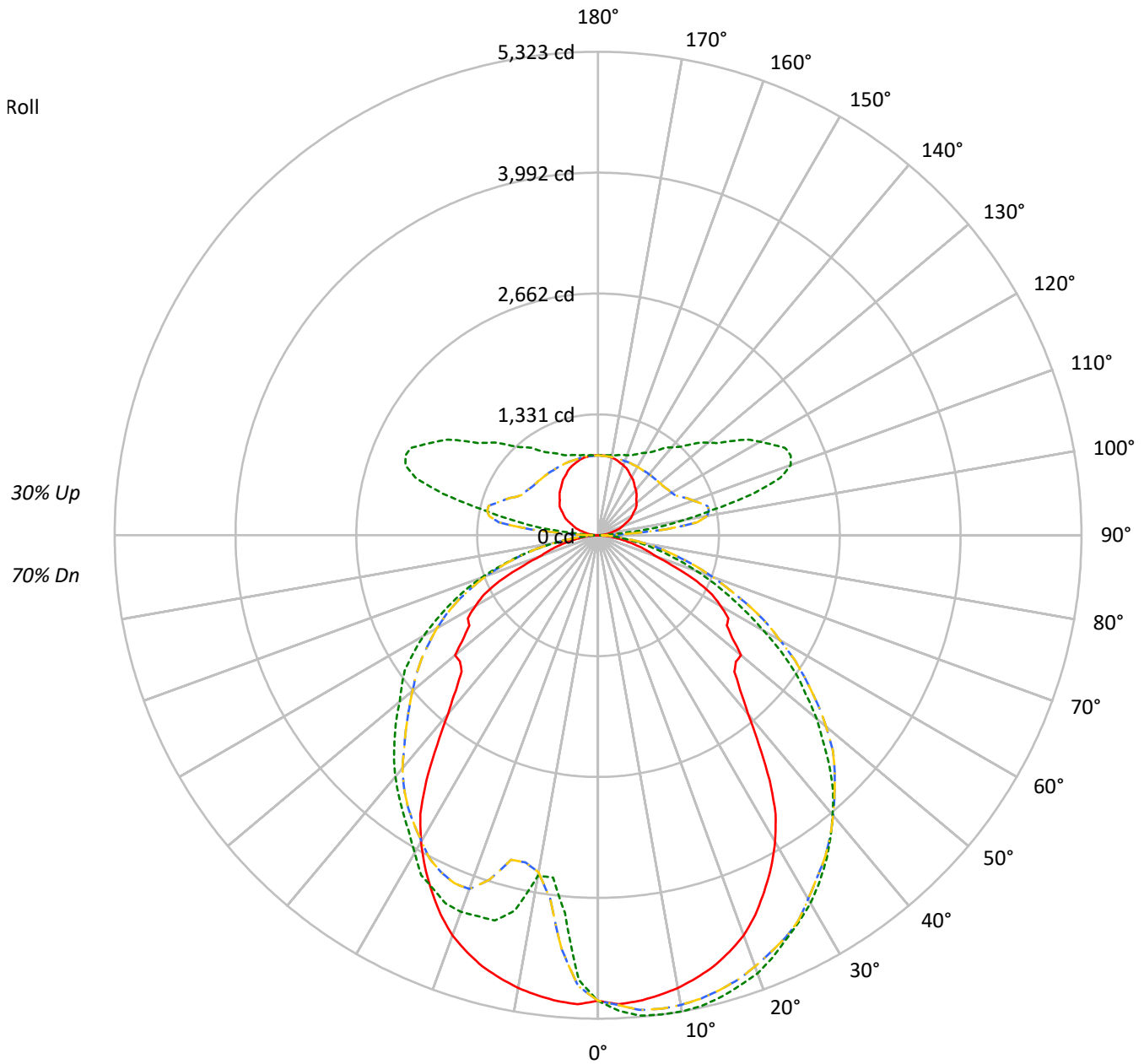
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18994.0 lumens
Efficiency: N/A
Efficacy: 113.1 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
RCR																				
0	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	74	74	70
1	102	98	94	90	97	93	89	86	83	80	78	74	72	70	66	65	63	63	63	59
2	93	86	79	74	88	81	76	71	73	68	65	65	62	59	58	56	53	53	53	50
3	85	75	68	62	80	71	65	59	64	59	54	58	53	50	52	48	45	45	45	42
4	78	67	58	52	73	63	56	50	57	51	46	51	47	43	46	42	39	39	39	36
5	72	60	51	45	67	57	49	43	51	45	40	46	41	37	41	37	34	34	34	31
6	66	53	45	39	62	51	43	38	46	40	35	42	36	32	38	33	30	30	30	27
7	61	48	40	34	58	46	39	33	42	36	31	38	33	29	34	30	27	27	27	24
8	57	44	36	30	54	42	35	29	38	32	28	35	30	26	31	27	24	24	24	22
9	53	40	32	27	50	38	31	26	35	29	25	32	27	23	29	25	21	21	21	19
10	49	37	30	25	47	35	28	24	32	26	22	30	25	21	27	23	19	19	19	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15850	15850	15850	15850
5°	15975	16000	15975	12581
10°	15874	15761	15874	11268
15°	15707	15419	15707	12876
20°	15385	15015	15385	12902
25°	14718	14425	14718	12629
30°	13855	13935	13855	12029
35°	12358	13316	12358	11369
40°	10303	12586	10303	10870
45°	9212	11732	9212	10297
50°	9794	10714	9794	9722
55°	9223	9617	9223	9390
60°	9520	8168	9520	8600
65°	8645	6752	8645	7547
70°	6000	5381	6000	6326
75°	5282	3977	5282	4763
80°	4288	2629	4288	2863
85°	2511	1393	2511	1184

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14110 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.6	2.4
10°-20°	1313.4	6.9
20°-30°	2030.3	10.7
30°-40°	2423.7	12.8
40°-50°	2437.9	12.8
50°-60°	2121.3	11.2
60°-70°	1504.0	7.9
70°-80°	795.7	4.2
80°-90°	201.5	1.1
90°-100°	428.9	2.3
100°-110°	1127.5	5.9
110°-120°	1169.1	6.2
120°-130°	937.8	4.9
130°-140°	735.9	3.9
140°-150°	564.8	3.0
150°-160°	406.7	2.1
160°-170°	248.9	1.3
170°-180°	84.1	0.4
0°-30°	3806.2	20.0
0°-40°	6229.9	32.8
0°-60°	10789.0	56.8
0°-90°	13290.3	70.0
90°-120°	2725.5	14.3
90°-150°	4964.0	26.1
90°-180°	5704.0	30.0
0°-180°	18994.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5124	5124	5124	5124	5124	
5°	5149	5309	5149	4174	5149	488
15°	4916	5260	4916	4392	4916	1383
25°	4329	4906	4329	4296	4329	1988
35°	3292	4378	3292	3738	3292	2037
45°	2123	3607	2123	3166	2123	1701
55°	1731	2662	1731	2599	1731	1590
65°	1202	1605	1202	1794	1202	1149
75°	456	761	456	912	456	479
85°	78	194	78	165	78	105
90°	6	22	6	22	6	8
95°	57	259	57	259	57	63
105°	203	1766	203	1766	203	215
115°	361	2274	361	2274	361	356
125°	502	1810	502	1810	502	446
135°	598	1405	598	1405	598	463
145°	694	1140	694	1140	694	435
155°	784	982	784	982	784	360
165°	846	914	846	914	846	239
175°	880	886	880	886	880	84
180°	880	880	880	880	880	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5
2.5°	5168.2	5168.2	5197.2	5206.9	5206.9	5192.3	5177.8	5192.3	5236.0	5250.6	5245.7
5°	5148.7	5187.6	5240.8	5250.6	5260.2	5255.4	5245.7	5255.4	5303.9	5313.6	5318.4
7.5°	5109.9	5182.7	5250.6	5265.1	5279.6	5265.1	5260.2	5270.0	5318.4	5328.1	5328.1
10°	5061.5	5163.3	5240.8	5250.6	5265.1	5250.6	5250.6	5270.0	5318.4	5328.1	5333.0
12.5°	4993.6	5134.2	5206.9	5216.6	5236.0	5231.1	5226.3	5245.7	5294.1	5303.9	5303.9
15°	4916.1	5080.9	5148.7	5158.4	5192.3	5182.7	5182.7	5202.1	5255.4	5270.0	5265.1
17.5°	4809.4	5013.0	5090.5	5105.1	5129.3	5124.5	5129.3	5148.7	5197.2	5206.9	5211.7
20°	4688.2	4920.8	5013.0	5027.5	5051.8	5051.8	5051.8	5076.0	5124.5	5143.9	5143.9
22.5°	4523.4	4823.9	4920.8	4930.6	4959.7	4959.7	4969.3	5003.2	5046.9	5051.8	5051.8
25°	4329.4	4717.2	4799.6	4828.8	4857.9	4872.4	4886.9	4906.3	4920.8	4916.1	4920.8
27.5°	4125.8	4581.5	4688.2	4707.6	4746.3	4760.9	4780.3	4785.1	4790.0	4804.5	4794.9
30°	3897.9	4392.4	4552.4	4571.8	4634.8	4644.5	4625.2	4634.8	4659.1	4668.8	4678.4
32.5°	3640.9	4111.3	4411.8	4455.5	4513.6	4484.6	4479.7	4494.2	4533.0	4533.0	4542.7
35°	3291.9	3893.1	4280.9	4319.7	4363.3	4329.4	4348.8	4353.7	4377.9	4392.4	4387.6
37.5°	2908.9	3704.0	4145.2	4174.3	4208.2	4164.6	4193.7	4208.2	4227.6	4217.9	4217.9
40°	2569.5	3408.2	3985.2	4004.6	4033.6	3999.7	4028.9	4038.5	4048.2	4038.5	4033.6
42.5°	2317.4	3083.4	3815.5	3839.8	3820.4	3844.5	3854.3	3873.7	3859.2	3839.8	3839.8
45°	2123.4	2996.1	3631.3	3660.3	3631.3	3670.1	3684.6	3684.6	3640.9	3631.3	3626.4
47.5°	2060.5	2821.6	3447.1	3447.1	3432.5	3481.0	3505.2	3471.2	3427.7	3413.1	3413.1
50°	2055.6	2627.7	3195.0	3175.6	3243.4	3301.6	3277.4	3243.4	3209.5	3156.2	3156.2
52.5°	1866.5	2390.2	2870.1	2942.8	3049.5	3083.4	3044.6	3010.7	2952.5	2928.3	2908.9
55°	1730.7	2142.9	2574.4	2719.8	2831.3	2874.9	2802.3	2768.3	2681.1	2666.5	2656.8
57.5°	1701.7	1784.1	2302.9	2487.1	2622.8	2618.0	2574.4	2511.4	2438.6	2424.1	2419.2
60°	1561.1	1289.6	2012.0	2230.1	2370.8	2356.2	2317.4	2259.2	2191.3	2181.7	2172.0
62.5°	1415.7	935.7	1682.3	1929.6	2128.3	2123.4	2089.5	2002.3	1953.8	1929.6	1910.2
65°	1202.3	785.4	1197.5	1604.8	1890.8	1900.4	1827.8	1764.7	1711.4	1682.3	1677.5
67.5°	916.3	639.9	809.6	1338.1	1662.9	1653.2	1561.1	1532.0	1464.1	1449.6	1420.5
70°	678.7	426.6	562.4	1086.0	1439.9	1415.7	1342.9	1309.0	1246.0	1212.0	1192.6
72.5°	562.4	344.2	412.1	843.6	1212.0	1183.0	1119.9	1081.2	1027.8	998.7	979.4
75°	455.7	363.6	315.2	625.4	984.1	964.7	906.6	867.8	824.2	785.4	790.3
77.5°	334.5	339.4	252.1	460.6	780.5	751.5	717.5	669.1	649.7	610.9	610.9
80°	252.1	266.6	189.1	315.2	562.4	562.4	533.3	499.4	465.5	446.0	446.0
82.5°	169.7	169.7	140.6	198.7	383.1	368.4	349.1	339.4	320.0	310.3	310.3
85°	77.5	96.9	87.3	121.2	208.5	218.1	218.1	208.5	203.6	194.0	198.7
87.5°	24.3	43.6	53.3	67.9	106.7	111.5	116.3	116.3	116.3	121.2	121.2
90°	5.9	10.6	15.4	16.5	26.0	38.6	44.9	39.9	29.9	22.4	22.4
92.5°	23.6	63.7	103.9	113.9	160.2	221.8	252.7	221.5	159.0	112.2	107.7
95°	56.7	130.2	203.7	222.0	394.2	623.9	738.7	659.1	500.1	380.9	367.3
97.5°	98.0	162.8	227.7	243.9	531.1	913.9	1105.4	1055.2	954.6	879.3	853.6
100°	129.9	188.7	247.4	262.1	580.8	1005.7	1218.2	1221.8	1229.2	1234.7	1204.1
102.5°	157.1	211.9	266.7	280.5	603.7	1034.6	1250.1	1314.1	1442.1	1538.2	1512.0
105°	203.1	249.5	296.0	307.6	620.6	1037.9	1246.6	1390.1	1677.2	1892.5	1878.4
107.5°	250.4	293.7	337.0	347.8	623.8	991.8	1175.7	1376.0	1776.5	2076.8	2080.3
110°	282.3	321.4	360.5	370.3	619.0	950.8	1116.7	1340.5	1788.2	2124.0	2138.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	313.5	350.8	388.0	397.4	619.2	915.0	1062.9	1292.0	1750.2	2093.9	2116.5
115°	360.8	395.2	429.6	438.2	625.0	874.0	998.5	1219.2	1660.6	1991.7	2023.1
117.5°	407.4	438.6	469.9	477.7	636.5	848.3	954.2	1153.4	1551.8	1850.6	1885.3
120°	434.6	464.0	493.4	500.7	646.0	839.7	936.6	1118.6	1482.5	1755.6	1789.3
122.5°	461.2	490.9	520.5	527.9	659.6	835.1	922.9	1086.8	1414.6	1660.5	1693.7
125°	501.9	529.0	556.0	562.8	678.0	831.4	908.2	1047.4	1325.8	1534.7	1565.3
127.5°	535.0	562.3	589.6	596.4	696.2	829.2	895.8	1015.4	1254.4	1433.7	1459.6
130°	552.8	582.2	611.5	618.8	709.6	830.6	891.1	997.5	1210.4	1369.9	1393.8
132.5°	571.0	600.4	629.8	637.2	720.5	831.4	886.9	982.2	1172.7	1315.6	1337.0
135°	598.2	625.0	651.7	658.4	732.2	830.7	879.8	959.7	1119.3	1238.9	1257.4
137.5°	625.9	652.5	679.0	685.6	750.0	835.8	878.7	946.1	1081.1	1182.2	1197.3
140°	648.9	673.4	697.7	703.8	760.8	836.6	874.5	932.7	1049.4	1136.7	1150.9
142.5°	666.7	689.2	711.9	717.5	769.8	839.6	874.5	925.7	1028.1	1104.8	1117.0
145°	693.8	713.5	733.2	738.1	781.7	839.6	868.7	910.5	994.3	1057.0	1066.2
147.5°	721.0	740.1	759.3	764.1	799.0	845.5	868.7	901.6	967.5	1016.9	1024.5
150°	738.7	756.0	773.4	777.7	808.0	848.4	868.7	896.5	952.0	993.8	1000.0
152.5°	757.0	770.1	783.3	786.5	813.9	850.4	868.7	892.4	939.9	975.5	980.2
155°	784.2	793.9	803.6	806.0	826.9	854.7	868.7	887.6	925.3	953.7	956.7
157.5°	804.3	813.8	823.1	825.5	839.9	859.1	868.7	883.4	912.7	934.8	937.0
160°	817.9	825.2	832.6	834.4	845.8	861.0	868.7	881.3	906.4	925.3	926.5
162.5°	831.4	837.0	842.5	843.8	852.1	863.1	868.7	879.3	900.5	916.4	917.6
165°	846.2	851.2	856.2	857.4	861.1	866.2	868.7	876.3	891.5	902.9	904.1
167.5°	859.8	862.1	864.5	865.0	868.2	872.4	874.5	879.5	889.5	896.9	897.5
170°	868.7	871.0	873.3	873.9	874.1	874.4	874.5	879.5	889.5	896.9	896.9
172.5°	873.3	873.8	874.4	874.5	874.5	874.5	874.5	878.4	886.3	892.3	891.8
175°	879.8	879.8	879.8	879.8	878.0	875.6	874.5	877.0	882.0	885.8	885.8
177.5°	879.8	879.8	879.8	879.8	878.5	876.7	875.7	877.7	881.7	884.6	884.0
180°	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5
2.5°	5255.4	5240.8	5255.4	5245.7	5250.6	5236.0	5192.3	5177.8	5192.3	5206.9	5206.9
5°	5318.4	5308.7	5318.4	5318.4	5313.6	5303.9	5255.4	5245.7	5255.4	5260.2	5250.6
7.5°	5337.8	5323.3	5337.8	5328.1	5328.1	5318.4	5270.0	5260.2	5265.1	5279.6	5265.1
10°	5337.8	5323.3	5337.8	5333.0	5328.1	5318.4	5270.0	5250.6	5250.6	5265.1	5250.6
12.5°	5313.6	5303.9	5313.6	5303.9	5303.9	5294.1	5245.7	5226.3	5231.1	5236.0	5216.6
15°	5274.8	5260.2	5274.8	5265.1	5270.0	5255.4	5202.1	5182.7	5182.7	5192.3	5158.4
17.5°	5216.6	5197.2	5216.6	5211.7	5206.9	5197.2	5148.7	5129.3	5124.5	5129.3	5105.1
20°	5148.7	5134.2	5148.7	5143.9	5143.9	5124.5	5076.0	5051.8	5051.8	5051.8	5027.5
22.5°	5042.1	5027.5	5042.1	5051.8	5051.8	5046.9	5003.2	4969.3	4959.7	4959.7	4930.6
25°	4920.8	4906.3	4920.8	4920.8	4916.1	4920.8	4906.3	4886.9	4872.4	4857.9	4828.8
27.5°	4804.5	4794.9	4804.5	4794.9	4804.5	4790.0	4785.1	4780.3	4760.9	4746.3	4707.6
30°	4688.2	4678.4	4688.2	4678.4	4668.8	4659.1	4634.8	4625.2	4644.5	4634.8	4571.8
32.5°	4542.7	4533.0	4542.7	4542.7	4533.0	4533.0	4494.2	4479.7	4484.6	4513.6	4455.5
35°	4392.4	4377.9	4392.4	4387.6	4392.4	4377.9	4353.7	4348.8	4329.4	4363.3	4319.7
37.5°	4217.9	4203.3	4217.9	4217.9	4217.9	4227.6	4208.2	4193.7	4164.6	4208.2	4174.3
40°	4038.5	4019.1	4038.5	4033.6	4038.5	4048.2	4038.5	4028.9	3999.7	4033.6	4004.6
42.5°	3834.9	3830.0	3834.9	3839.8	3839.8	3859.2	3873.7	3854.3	3844.5	3820.4	3839.8
45°	3616.7	3607.0	3616.7	3626.4	3631.3	3640.9	3684.6	3684.6	3670.1	3631.3	3660.3
47.5°	3384.0	3359.8	3384.0	3413.1	3413.1	3427.7	3471.2	3505.2	3481.0	3432.5	3447.1
50°	3136.8	3141.6	3136.8	3156.2	3156.2	3209.5	3243.4	3277.4	3301.6	3243.4	3175.6
52.5°	2894.3	2889.5	2894.3	2908.9	2928.3	2952.5	3010.7	3044.6	3083.4	3049.5	2942.8
55°	2651.9	2661.7	2651.9	2656.8	2666.5	2681.1	2768.3	2802.3	2874.9	2831.3	2719.8
57.5°	2409.6	2394.9	2409.6	2419.2	2424.1	2438.6	2511.4	2574.4	2618.0	2622.8	2487.1
60°	2128.3	2108.9	2128.3	2172.0	2181.7	2191.3	2259.2	2317.4	2356.2	2370.8	2230.1
62.5°	1881.1	1847.2	1881.1	1910.2	1929.6	1953.8	2002.3	2089.5	2123.4	2128.3	1929.6
65°	1619.3	1604.8	1619.3	1677.5	1682.3	1711.4	1764.7	1827.8	1900.4	1890.8	1604.8
67.5°	1381.7	1381.7	1381.7	1420.5	1449.6	1464.1	1532.0	1561.1	1653.2	1662.9	1338.1
70°	1163.6	1158.7	1163.6	1192.6	1212.0	1246.0	1309.0	1342.9	1415.7	1439.9	1086.0
72.5°	955.1	950.2	955.1	979.4	998.7	1027.8	1081.2	1119.9	1183.0	1212.0	843.6
75°	770.9	761.1	770.9	790.3	785.4	824.2	867.8	906.6	964.7	984.1	625.4
77.5°	591.4	591.4	591.4	610.9	610.9	649.7	669.1	717.5	751.5	780.5	460.6
80°	441.2	436.3	441.2	446.0	446.0	465.5	499.4	533.3	562.4	562.4	315.2
82.5°	310.3	300.5	310.3	310.3	310.3	320.0	339.4	349.1	368.4	383.1	198.7
85°	194.0	194.0	194.0	198.7	194.0	203.6	208.5	218.1	218.1	208.5	121.2
87.5°	126.1	121.2	126.1	121.2	121.2	116.3	116.3	116.3	111.5	106.7	67.9
90°	22.4	22.4	22.4	22.4	22.4	29.9	39.9	44.9	38.6	26.0	16.5
92.5°	89.9	72.0	89.9	107.7	112.2	159.0	221.5	252.7	221.8	160.2	113.9
95°	313.2	259.2	313.2	367.3	380.9	500.1	659.1	738.7	623.9	394.2	222.0
97.5°	750.6	647.8	750.6	853.6	879.3	954.6	1055.2	1105.4	913.9	531.1	243.9
100°	1081.5	959.0	1081.5	1204.1	1234.7	1229.2	1221.8	1218.2	1005.7	580.8	262.1
102.5°	1407.0	1302.0	1407.0	1512.0	1538.2	1442.1	1314.1	1250.1	1034.6	603.7	280.5
105°	1822.0	1765.6	1822.0	1878.4	1892.5	1677.2	1390.1	1246.6	1037.9	620.6	307.6
107.5°	2093.8	2107.5	2093.8	2080.3	2076.8	1776.5	1376.0	1175.7	991.8	623.8	347.8
110°	2197.5	2256.3	2197.5	2138.7	2124.0	1788.2	1340.5	1116.7	950.8	619.0	370.3



TEST NUMBER: P934580

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2206.8	2297.1	2206.8	2116.5	2093.9	1750.2	1292.0	1062.9	915.0	619.2	397.4
115°	2148.3	2273.5	2148.3	2023.1	1991.7	1660.6	1219.2	998.5	874.0	625.0	438.2
117.5°	2024.1	2163.0	2024.1	1885.3	1850.6	1551.8	1153.4	954.2	848.3	636.5	477.7
120°	1924.2	2059.1	1924.2	1789.3	1755.6	1482.5	1118.6	936.6	839.7	646.0	500.7
122.5°	1826.8	1959.9	1826.8	1693.7	1660.5	1414.6	1086.8	922.9	835.1	659.6	527.9
125°	1687.9	1810.5	1687.9	1565.3	1534.7	1325.8	1047.4	908.2	831.4	678.0	562.8
127.5°	1563.0	1666.4	1563.0	1459.6	1433.7	1254.4	1015.4	895.8	829.2	696.2	596.4
130°	1489.4	1584.9	1489.4	1393.8	1369.9	1210.4	997.5	891.1	830.6	709.6	618.8
132.5°	1422.6	1508.1	1422.6	1337.0	1315.6	1172.7	982.2	886.9	831.4	720.5	637.2
135°	1331.1	1404.8	1331.1	1257.4	1238.9	1119.3	959.7	879.8	830.7	732.2	658.4
137.5°	1257.6	1318.0	1257.6	1197.3	1182.2	1081.1	946.1	878.7	835.8	750.0	685.6
140°	1207.2	1263.7	1207.2	1150.9	1136.7	1049.4	932.7	874.5	836.6	760.8	703.8
142.5°	1165.6	1214.1	1165.6	1117.0	1104.8	1028.1	925.7	874.5	839.6	769.8	717.5
145°	1102.9	1139.7	1102.9	1066.2	1057.0	994.3	910.5	868.7	839.6	781.7	738.1
147.5°	1054.9	1085.4	1054.9	1024.5	1016.9	967.5	901.6	868.7	845.5	799.0	764.1
150°	1024.6	1049.4	1024.6	1000.0	993.8	952.0	896.5	868.7	848.4	808.0	777.7
152.5°	998.8	1017.5	998.8	980.2	975.5	939.9	892.4	868.7	850.4	813.9	786.5
155°	969.1	981.5	969.1	956.7	953.7	925.3	887.6	868.7	854.7	826.9	806.0
157.5°	945.5	954.2	945.5	937.0	934.8	912.7	883.4	868.7	859.1	839.9	825.5
160°	931.6	936.6	931.6	926.5	925.3	906.4	881.3	868.7	861.0	845.8	834.4
162.5°	922.3	927.1	922.3	917.6	916.4	900.5	879.3	868.7	863.1	852.1	843.8
165°	909.2	914.1	909.2	904.1	902.9	891.5	876.3	868.7	866.2	861.1	857.4
167.5°	899.6	901.7	899.6	897.5	896.9	889.5	879.5	874.5	872.4	868.2	865.0
170°	896.9	896.9	896.9	896.9	896.9	889.5	879.5	874.5	874.4	874.1	873.9
172.5°	890.0	888.2	890.0	891.8	892.3	886.3	878.4	874.5	874.5	874.5	874.5
175°	885.8	885.8	885.8	885.8	885.8	882.0	877.0	874.5	875.6	878.0	879.8
177.5°	881.9	879.8	881.9	884.0	884.6	881.7	877.7	875.7	876.7	878.5	879.8
180°	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8



TEST NUMBER: P934580

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5
2.5°	5197.2	5168.2	5168.2	5119.7	5100.3	5085.8	5061.5	4988.7	4969.3	4950.0	4979.1
5°	5240.8	5187.6	5148.7	5061.5	4988.7	4959.7	4867.5	4693.0	4576.6	4489.4	4440.9
7.5°	5250.6	5182.7	5109.9	4974.2	4799.6	4722.1	4440.9	4120.9	4033.6	3956.1	3907.6
10°	5240.8	5163.3	5061.5	4857.9	4445.7	4310.0	4028.9	3820.4	3767.0	3752.5	3767.0
12.5°	5206.9	5134.2	4993.6	4654.2	4077.3	3985.2	3820.4	3699.1	3689.5	3713.7	3844.5
15°	5148.7	5080.9	4916.1	4382.7	3873.7	3805.8	3689.5	3645.8	3699.1	3868.8	4261.5
17.5°	5090.5	5013.0	4809.4	4116.0	3718.6	3670.1	3587.6	3674.9	3975.5	4203.3	4334.3
20°	5013.0	4920.8	4688.2	3922.2	3607.0	3563.4	3524.6	3917.3	4145.2	4227.6	4300.3
22.5°	4920.8	4823.9	4523.4	3786.4	3490.7	3456.7	3481.0	4053.0	4145.2	4203.3	4266.4
25°	4799.6	4717.2	4329.4	3679.7	3398.6	3359.8	3451.8	4038.5	4091.8	4106.4	4232.5
27.5°	4688.2	4581.5	4125.8	3582.8	3287.0	3272.5	3476.1	3975.5	4014.2	4028.9	4164.6
30°	4552.4	4392.4	3897.9	3481.0	3170.7	3165.8	3481.0	3897.9	3888.2	3927.0	4062.8
32.5°	4411.8	4111.3	3640.9	3354.9	3059.2	3054.4	3447.1	3781.5	3771.9	3825.2	3927.0
35°	4280.9	3893.1	3291.9	3209.5	2918.6	2923.4	3364.7	3645.8	3650.7	3699.1	3762.1
37.5°	4145.2	3704.0	2908.9	3049.5	2782.9	2782.9	3253.1	3519.7	3510.1	3524.6	3611.9
40°	3985.2	3408.2	2569.5	2841.0	2656.8	2642.2	3117.4	3384.0	3350.0	3345.3	3466.5
42.5°	3815.5	3083.4	2317.4	2564.7	2511.4	2492.0	2952.5	3219.2	3156.2	3170.7	3325.8
45°	3631.3	2996.1	2123.4	2167.1	2361.0	2346.5	2773.1	3030.1	2986.5	3025.2	3185.2
47.5°	3447.1	2821.6	2060.5	1798.6	2201.1	2196.2	2574.4	2845.9	2821.6	2860.4	3030.1
50°	3195.0	2627.7	2055.6	1541.8	2021.6	2041.0	2336.8	2666.5	2666.5	2700.5	2879.8
52.5°	2870.1	2390.2	1866.5	1396.3	1813.2	1871.4	2128.3	2511.4	2521.0	2555.0	2715.0
55°	2574.4	2142.9	1730.7	1284.8	1565.9	1692.0	1924.7	2351.3	2370.8	2404.7	2550.1
57.5°	2302.9	1784.1	1701.7	1153.8	1338.1	1459.3	1745.4	2196.2	2206.0	2235.0	2375.6
60°	2012.0	1289.6	1561.1	1013.3	1139.3	1231.5	1580.5	2012.0	2045.9	2065.3	2186.5
62.5°	1682.3	935.7	1415.7	916.3	1042.4	1061.8	1444.7	1837.4	1881.1	1895.6	1968.4
65°	1197.5	785.4	1202.3	833.9	940.6	945.4	1299.3	1658.1	1696.8	1721.1	1774.4
67.5°	809.6	639.9	916.3	756.3	862.9	867.8	1158.7	1449.6	1502.9	1522.4	1556.3
70°	562.4	426.6	678.7	673.8	775.7	785.4	1008.4	1260.5	1309.0	1323.5	1342.9
72.5°	412.1	344.2	562.4	606.0	683.6	693.3	853.3	1047.2	1095.7	1110.2	1119.9
75°	315.2	363.6	455.7	528.4	581.8	586.7	698.1	853.3	887.2	896.9	901.7
77.5°	252.1	339.4	334.5	426.6	475.1	465.5	547.9	659.3	688.5	688.5	688.5
80°	189.1	266.6	252.1	305.4	349.1	339.4	392.7	470.2	480.0	489.6	484.9
82.5°	140.6	169.7	169.7	194.0	232.7	223.0	261.8	305.4	305.4	305.4	315.2
85°	87.3	96.9	77.5	101.8	130.9	126.1	145.4	164.8	169.7	169.7	160.0
87.5°	53.3	43.6	24.3	38.8	58.2	58.2	67.9	72.7	67.9	67.9	67.9
90°	15.4	10.6	5.9	10.6	15.4	16.5	26.0	38.6	44.9	39.9	29.9
92.5°	103.9	63.7	23.6	63.7	103.9	113.9	160.2	221.8	252.7	221.5	159.0
95°	203.7	130.2	56.7	130.2	203.7	222.0	394.2	623.9	738.7	659.1	500.1
97.5°	227.7	162.8	98.0	162.8	227.7	243.9	531.1	913.9	1105.4	1055.2	954.6
100°	247.4	188.7	129.9	188.7	247.4	262.1	580.8	1005.7	1218.2	1221.8	1229.2
102.5°	266.7	211.9	157.1	211.9	266.7	280.5	603.7	1034.6	1250.1	1314.1	1442.1
105°	296.0	249.5	203.1	249.5	296.0	307.6	620.6	1037.9	1246.6	1390.1	1677.2
107.5°	337.0	293.7	250.4	293.7	337.0	347.8	623.8	991.8	1175.7	1376.0	1776.5
110°	360.5	321.4	282.3	321.4	360.5	370.3	619.0	950.8	1116.7	1340.5	1788.2



TEST NUMBER: P934580

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	388.0	350.8	313.5	350.8	388.0	397.4	619.2	915.0	1062.9	1292.0	1750.2
115°	429.6	395.2	360.8	395.2	429.6	438.2	625.0	874.0	998.5	1219.2	1660.6
117.5°	469.9	438.6	407.4	438.6	469.9	477.7	636.5	848.3	954.2	1153.4	1551.8
120°	493.4	464.0	434.6	464.0	493.4	500.7	646.0	839.7	936.6	1118.6	1482.5
122.5°	520.5	490.9	461.2	490.9	520.5	527.9	659.6	835.1	922.9	1086.8	1414.6
125°	556.0	529.0	501.9	529.0	556.0	562.8	678.0	831.4	908.2	1047.4	1325.8
127.5°	589.6	562.3	535.0	562.3	589.6	596.4	696.2	829.2	895.8	1015.4	1254.4
130°	611.5	582.2	552.8	582.2	611.5	618.8	709.6	830.6	891.1	997.5	1210.4
132.5°	629.8	600.4	571.0	600.4	629.8	637.2	720.5	831.4	886.9	982.2	1172.7
135°	651.7	625.0	598.2	625.0	651.7	658.4	732.2	830.7	879.8	959.7	1119.3
137.5°	679.0	652.5	625.9	652.5	679.0	685.6	750.0	835.8	878.7	946.1	1081.1
140°	697.7	673.4	648.9	673.4	697.7	703.8	760.8	836.6	874.5	932.7	1049.4
142.5°	711.9	689.2	666.7	689.2	711.9	717.5	769.8	839.6	874.5	925.7	1028.1
145°	733.2	713.5	693.8	713.5	733.2	738.1	781.7	839.6	868.7	910.5	994.3
147.5°	759.3	740.1	721.0	740.1	759.3	764.1	799.0	845.5	868.7	901.6	967.5
150°	773.4	756.0	738.7	756.0	773.4	777.7	808.0	848.4	868.7	896.5	952.0
152.5°	783.3	770.1	757.0	770.1	783.3	786.5	813.9	850.4	868.7	892.4	939.9
155°	803.6	793.9	784.2	793.9	803.6	806.0	826.9	854.7	868.7	887.6	925.3
157.5°	823.1	813.8	804.3	813.8	823.1	825.5	839.9	859.1	868.7	883.4	912.7
160°	832.6	825.2	817.9	825.2	832.6	834.4	845.8	861.0	868.7	881.3	906.4
162.5°	842.5	837.0	831.4	837.0	842.5	843.8	852.1	863.1	868.7	879.3	900.5
165°	856.2	851.2	846.2	851.2	856.2	857.4	861.1	866.2	868.7	876.3	891.5
167.5°	864.5	862.1	859.8	862.1	864.5	865.0	868.2	872.4	874.5	879.5	889.5
170°	873.3	871.0	868.7	871.0	873.3	873.9	874.1	874.4	874.5	879.5	889.5
172.5°	874.4	873.8	873.3	873.8	874.4	874.5	874.5	874.5	874.5	878.4	886.3
175°	879.8	879.8	879.8	879.8	879.8	879.8	878.0	875.6	874.5	877.0	882.0
177.5°	879.8	879.8	879.8	879.8	879.8	879.8	878.5	876.7	875.7	877.7	881.7
180°	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8



TEST NUMBER: P934580
 CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5	5124.5
2.5°	4945.1	4930.6	4950.0	4896.7	4950.0	4930.6	4945.1	4979.1	4950.0	4969.3	4988.7
5°	4339.1	4314.9	4237.2	4174.3	4237.2	4314.9	4339.1	4440.9	4489.4	4576.6	4693.0
7.5°	3878.5	3859.2	3839.8	3801.0	3839.8	3859.2	3878.5	3907.6	3956.1	4033.6	4120.9
10°	3776.7	3781.5	3810.6	3805.8	3810.6	3781.5	3776.7	3767.0	3752.5	3767.0	3820.4
12.5°	4038.5	4082.1	4242.1	4232.5	4242.1	4082.1	4038.5	3844.5	3713.7	3689.5	3699.1
15°	4339.1	4353.7	4387.6	4392.4	4387.6	4353.7	4339.1	4261.5	3868.8	3699.1	3645.8
17.5°	4368.2	4373.0	4397.3	4397.3	4397.3	4373.0	4368.2	4334.3	4203.3	3975.5	3674.9
20°	4343.9	4353.7	4402.2	4411.8	4402.2	4353.7	4343.9	4300.3	4227.6	4145.2	3917.3
22.5°	4334.3	4353.7	4392.4	4387.6	4392.4	4353.7	4334.3	4266.4	4203.3	4145.2	4053.0
25°	4285.8	4285.8	4290.6	4295.5	4290.6	4285.8	4285.8	4232.5	4106.4	4091.8	4038.5
27.5°	4184.0	4193.7	4222.7	4217.9	4222.7	4193.7	4184.0	4164.6	4028.9	4014.2	3975.5
30°	4091.8	4082.1	4057.9	4038.5	4057.9	4082.1	4091.8	4062.8	3927.0	3888.2	3897.9
32.5°	3936.7	3912.4	3888.2	3873.7	3888.2	3912.4	3936.7	3927.0	3825.2	3771.9	3781.5
35°	3752.5	3757.4	3752.5	3738.0	3752.5	3757.4	3752.5	3762.1	3699.1	3650.7	3645.8
37.5°	3621.6	3631.3	3626.4	3607.0	3626.4	3631.3	3621.6	3611.9	3524.6	3510.1	3519.7
40°	3485.8	3490.7	3485.8	3471.2	3485.8	3490.7	3485.8	3466.5	3345.3	3350.0	3384.0
42.5°	3354.9	3350.0	3335.5	3325.8	3335.5	3350.0	3354.9	3325.8	3170.7	3156.2	3219.2
45°	3204.6	3209.5	3180.3	3165.8	3180.3	3209.5	3204.6	3185.2	3025.2	2986.5	3030.1
47.5°	3054.4	3054.4	3030.1	3015.5	3030.1	3054.4	3054.4	3030.1	2860.4	2821.6	2845.9
50°	2894.3	2889.5	2855.5	2850.7	2855.5	2889.5	2894.3	2879.8	2700.5	2666.5	2666.5
52.5°	2710.1	2710.1	2715.0	2724.6	2715.0	2710.1	2710.1	2715.0	2555.0	2521.0	2511.4
55°	2550.1	2555.0	2588.9	2598.7	2588.9	2555.0	2550.1	2550.1	2404.7	2370.8	2351.3
57.5°	2385.3	2385.3	2409.6	2409.6	2409.6	2385.3	2385.3	2375.6	2235.0	2206.0	2196.2
60°	2196.2	2206.0	2225.3	2220.5	2225.3	2206.0	2196.2	2186.5	2065.3	2045.9	2012.0
62.5°	1997.5	2007.1	2012.0	2002.3	2012.0	2007.1	1997.5	1968.4	1895.6	1881.1	1837.4
65°	1789.0	1798.6	1803.5	1793.8	1803.5	1798.6	1789.0	1774.4	1721.1	1696.8	1658.1
67.5°	1575.7	1570.8	1565.9	1585.3	1565.9	1570.8	1575.7	1556.3	1522.4	1502.9	1449.6
70°	1357.4	1357.4	1352.7	1362.3	1352.7	1357.4	1357.4	1342.9	1323.5	1309.0	1260.5
72.5°	1124.8	1119.9	1139.3	1124.8	1139.3	1119.9	1124.8	1119.9	1110.2	1095.7	1047.2
75°	896.9	906.6	896.9	911.5	896.9	906.6	896.9	901.7	896.9	887.2	853.3
77.5°	683.6	693.3	683.6	683.6	683.6	693.3	683.6	688.5	688.5	688.5	659.3
80°	484.9	480.0	480.0	475.1	480.0	480.0	484.9	484.9	489.6	480.0	470.2
82.5°	310.3	305.4	305.4	315.2	305.4	305.4	310.3	315.2	305.4	305.4	305.4
85°	169.7	174.6	164.8	164.8	164.8	174.6	169.7	160.0	169.7	169.7	164.8
87.5°	63.0	58.2	58.2	58.2	58.2	58.2	63.0	67.9	67.9	67.9	72.7
90°	22.4	22.4	22.4	22.4	22.4	22.4	22.4	29.9	39.9	44.9	38.6
92.5°	112.2	107.7	89.9	72.0	89.9	107.7	112.2	159.0	221.5	252.7	221.8
95°	380.9	367.3	313.2	259.2	313.2	367.3	380.9	500.1	659.1	738.7	623.9
97.5°	879.3	853.6	750.6	647.8	750.6	853.6	879.3	954.6	1055.2	1105.4	913.9
100°	1234.7	1204.1	1081.5	959.0	1081.5	1204.1	1234.7	1229.2	1221.8	1218.2	1005.7
102.5°	1538.2	1512.0	1407.0	1302.0	1407.0	1512.0	1538.2	1442.1	1314.1	1250.1	1034.6
105°	1892.5	1878.4	1822.0	1765.6	1822.0	1878.4	1892.5	1677.2	1390.1	1246.6	1037.9
107.5°	2076.8	2080.3	2093.8	2107.5	2093.8	2080.3	2076.8	1776.5	1376.0	1175.7	991.8
110°	2124.0	2138.7	2197.5	2256.3	2197.5	2138.7	2124.0	1788.2	1340.5	1116.7	950.8



TEST NUMBER: P934580

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2093.9	2116.5	2206.8	2297.1	2206.8	2116.5	2093.9	1750.2	1292.0	1062.9	915.0
115°	1991.7	2023.1	2148.3	2273.5	2148.3	2023.1	1991.7	1660.6	1219.2	998.5	874.0
117.5°	1850.6	1885.3	2024.1	2163.0	2024.1	1885.3	1850.6	1551.8	1153.4	954.2	848.3
120°	1755.6	1789.3	1924.2	2059.1	1924.2	1789.3	1755.6	1482.5	1118.6	936.6	839.7
122.5°	1660.5	1693.7	1826.8	1959.9	1826.8	1693.7	1660.5	1414.6	1086.8	922.9	835.1
125°	1534.7	1565.3	1687.9	1810.5	1687.9	1565.3	1534.7	1325.8	1047.4	908.2	831.4
127.5°	1433.7	1459.6	1563.0	1666.4	1563.0	1459.6	1433.7	1254.4	1015.4	895.8	829.2
130°	1369.9	1393.8	1489.4	1584.9	1489.4	1393.8	1369.9	1210.4	997.5	891.1	830.6
132.5°	1315.6	1337.0	1422.6	1508.1	1422.6	1337.0	1315.6	1172.7	982.2	886.9	831.4
135°	1238.9	1257.4	1331.1	1404.8	1331.1	1257.4	1238.9	1119.3	959.7	879.8	830.7
137.5°	1182.2	1197.3	1257.6	1318.0	1257.6	1197.3	1182.2	1081.1	946.1	878.7	835.8
140°	1136.7	1150.9	1207.2	1263.7	1207.2	1150.9	1136.7	1049.4	932.7	874.5	836.6
142.5°	1104.8	1117.0	1165.6	1214.1	1165.6	1117.0	1104.8	1028.1	925.7	874.5	839.6
145°	1057.0	1066.2	1102.9	1139.7	1102.9	1066.2	1057.0	994.3	910.5	868.7	839.6
147.5°	1016.9	1024.5	1054.9	1085.4	1054.9	1024.5	1016.9	967.5	901.6	868.7	845.5
150°	993.8	1000.0	1024.6	1049.4	1024.6	1000.0	993.8	952.0	896.5	868.7	848.4
152.5°	975.5	980.2	998.8	1017.5	998.8	980.2	975.5	939.9	892.4	868.7	850.4
155°	953.7	956.7	969.1	981.5	969.1	956.7	953.7	925.3	887.6	868.7	854.7
157.5°	934.8	937.0	945.5	954.2	945.5	937.0	934.8	912.7	883.4	868.7	859.1
160°	925.3	926.5	931.6	936.6	931.6	926.5	925.3	906.4	881.3	868.7	861.0
162.5°	916.4	917.6	922.3	927.1	922.3	917.6	916.4	900.5	879.3	868.7	863.1
165°	902.9	904.1	909.2	914.1	909.2	904.1	902.9	891.5	876.3	868.7	866.2
167.5°	896.9	897.5	899.6	901.7	899.6	897.5	896.9	889.5	879.5	874.5	872.4
170°	896.9	896.9	896.9	896.9	896.9	896.9	896.9	889.5	879.5	874.5	874.4
172.5°	892.3	891.8	890.0	888.2	890.0	891.8	892.3	886.3	878.4	874.5	874.5
175°	885.8	885.8	885.8	885.8	885.8	885.8	885.8	882.0	877.0	874.5	875.6
177.5°	884.6	884.0	881.9	879.8	881.9	884.0	884.6	881.7	877.7	875.7	876.7
180°	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8	879.8



TEST NUMBER: P934580

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	5124.5	5124.5	5124.5	5124.5	5124.5
2.5°	5061.5	5085.8	5100.3	5119.7	5168.2
5°	4867.5	4959.7	4988.7	5061.5	5148.7
7.5°	4440.9	4722.1	4799.6	4974.2	5109.9
10°	4028.9	4310.0	4445.7	4857.9	5061.5
12.5°	3820.4	3985.2	4077.3	4654.2	4993.6
15°	3689.5	3805.8	3873.7	4382.7	4916.1
17.5°	3587.6	3670.1	3718.6	4116.0	4809.4
20°	3524.6	3563.4	3607.0	3922.2	4688.2
22.5°	3481.0	3456.7	3490.7	3786.4	4523.4
25°	3451.8	3359.8	3398.6	3679.7	4329.4
27.5°	3476.1	3272.5	3287.0	3582.8	4125.8
30°	3481.0	3165.8	3170.7	3481.0	3897.9
32.5°	3447.1	3054.4	3059.2	3354.9	3640.9
35°	3364.7	2923.4	2918.6	3209.5	3291.9
37.5°	3253.1	2782.9	2782.9	3049.5	2908.9
40°	3117.4	2642.2	2656.8	2841.0	2569.5
42.5°	2952.5	2492.0	2511.4	2564.7	2317.4
45°	2773.1	2346.5	2361.0	2167.1	2123.4
47.5°	2574.4	2196.2	2201.1	1798.6	2060.5
50°	2336.8	2041.0	2021.6	1541.8	2055.6
52.5°	2128.3	1871.4	1813.2	1396.3	1866.5
55°	1924.7	1692.0	1565.9	1284.8	1730.7
57.5°	1745.4	1459.3	1338.1	1153.8	1701.7
60°	1580.5	1231.5	1139.3	1013.3	1561.1
62.5°	1444.7	1061.8	1042.4	916.3	1415.7
65°	1299.3	945.4	940.6	833.9	1202.3
67.5°	1158.7	867.8	862.9	756.3	916.3
70°	1008.4	785.4	775.7	673.8	678.7
72.5°	853.3	693.3	683.6	606.0	562.4
75°	698.1	586.7	581.8	528.4	455.7
77.5°	547.9	465.5	475.1	426.6	334.5
80°	392.7	339.4	349.1	305.4	252.1
82.5°	261.8	223.0	232.7	194.0	169.7
85°	145.4	126.1	130.9	101.8	77.5
87.5°	67.9	58.2	58.2	38.8	24.3
90°	26.0	16.5	15.4	10.6	5.9
92.5°	160.2	113.9	103.9	63.7	23.6
95°	394.2	222.0	203.7	130.2	56.7
97.5°	531.1	243.9	227.7	162.8	98.0
100°	580.8	262.1	247.4	188.7	129.9
102.5°	603.7	280.5	266.7	211.9	157.1
105°	620.6	307.6	296.0	249.5	203.1
107.5°	623.8	347.8	337.0	293.7	250.4
110°	619.0	370.3	360.5	321.4	282.3



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CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	619.2	397.4	388.0	350.8	313.5
115°	625.0	438.2	429.6	395.2	360.8
117.5°	636.5	477.7	469.9	438.6	407.4
120°	646.0	500.7	493.4	464.0	434.6
122.5°	659.6	527.9	520.5	490.9	461.2
125°	678.0	562.8	556.0	529.0	501.9
127.5°	696.2	596.4	589.6	562.3	535.0
130°	709.6	618.8	611.5	582.2	552.8
132.5°	720.5	637.2	629.8	600.4	571.0
135°	732.2	658.4	651.7	625.0	598.2
137.5°	750.0	685.6	679.0	652.5	625.9
140°	760.8	703.8	697.7	673.4	648.9
142.5°	769.8	717.5	711.9	689.2	666.7
145°	781.7	738.1	733.2	713.5	693.8
147.5°	799.0	764.1	759.3	740.1	721.0
150°	808.0	777.7	773.4	756.0	738.7
152.5°	813.9	786.5	783.3	770.1	757.0
155°	826.9	806.0	803.6	793.9	784.2
157.5°	839.9	825.5	823.1	813.8	804.3
160°	845.8	834.4	832.6	825.2	817.9
162.5°	852.1	843.8	842.5	837.0	831.4
165°	861.1	857.4	856.2	851.2	846.2
167.5°	868.2	865.0	864.5	862.1	859.8
170°	874.1	873.9	873.3	871.0	868.7
172.5°	874.5	874.5	874.4	873.8	873.3
175°	878.0	879.8	879.8	879.8	879.8
177.5°	878.5	879.8	879.8	879.8	879.8
180°	879.8	879.8	879.8	879.8	879.8



TEST NUMBER: P934580
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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	17.15	16.84	17.94	18.90	18.93	20.01	19.69	20.79	21.75
	3H	16.57	17.54	17.35	18.33	19.32	20.30	21.26	21.08	22.06	23.04
	4H	16.77	17.68	17.57	18.49	19.48	20.76	21.67	21.55	22.47	23.47
	6H	16.90	17.74	17.71	18.56	19.57	21.06	21.90	21.87	22.71	23.72
	8H	16.91	17.71	17.73	18.54	19.55	21.14	21.94	21.96	22.77	23.79
	12H	16.89	17.65	17.71	18.48	19.51	21.19	21.95	22.02	22.78	23.82
4H	2H	17.14	18.05	17.94	18.86	19.85	19.36	20.28	20.16	21.08	22.08
	3H	18.19	18.95	19.00	19.79	20.80	20.90	21.66	21.71	22.49	23.51
	4H	18.47	19.16	19.30	20.00	21.04	21.44	22.13	22.26	22.97	24.01
	6H	18.61	19.21	19.45	20.07	21.12	21.82	22.42	22.66	23.28	24.32
	8H	18.62	19.18	19.47	20.04	21.10	21.94	22.49	22.78	23.35	24.41
	12H	18.60	19.10	19.47	19.98	21.04	22.01	22.51	22.87	23.39	24.45
8H	4H	18.95	19.51	19.79	20.36	21.42	21.58	22.14	22.43	22.99	24.05
	6H	19.22	19.68	20.09	20.58	21.64	22.03	22.49	22.90	23.39	24.45
	8H	19.26	19.67	20.15	20.57	21.64	22.19	22.60	23.07	23.49	24.57
	12H	19.26	19.62	20.15	20.50	21.63	22.30	22.66	23.19	23.55	24.68
12H	4H	18.97	19.47	19.83	20.35	21.41	21.55	22.06	22.42	22.93	24.00
	6H	19.28	19.69	20.17	20.59	21.66	22.03	22.44	22.91	23.33	24.41
	8H	19.36	19.72	20.25	20.61	21.73	22.20	22.56	23.09	23.45	24.58