

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: P934578

Luminaire Tested: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934578
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-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

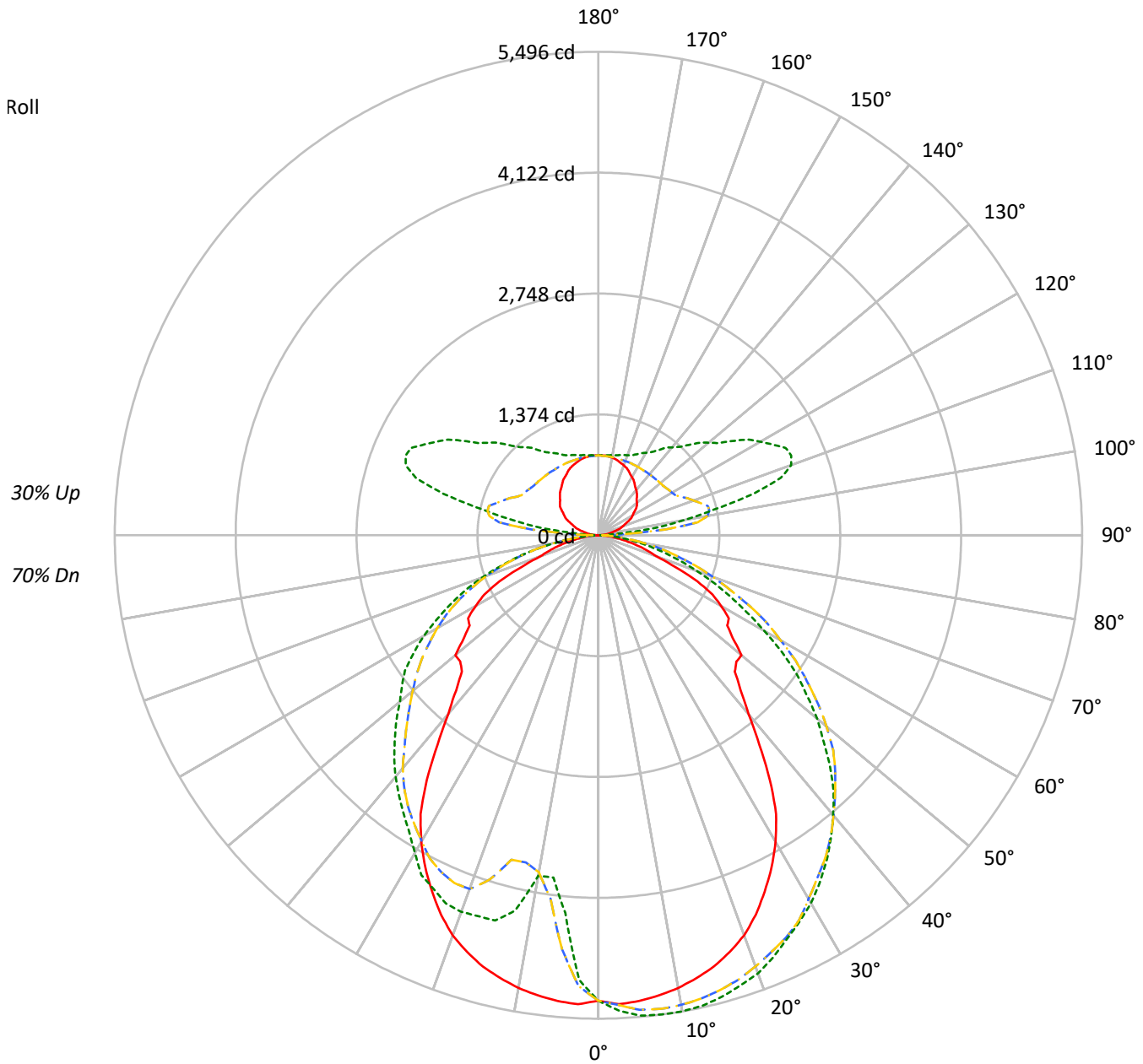
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19610.5 lumens
Efficiency: N/A
Efficacy: 116.7 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

TEST NUMBER: P934578
CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-12-3000K

Luminous Intensity Polar Plot



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



TEST NUMBER: P934578

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-12-3000K

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°	16365	16365	16365	16365
5°	16493	16520	16493	12990
10°	16389	16273	16389	11634
15°	16217	15920	16217	13294
20°	15884	15502	15884	13321
25°	15196	14893	15196	13039
30°	14305	14387	14305	12420
35°	12759	13748	12759	11738
40°	10637	12995	10637	11223
45°	9511	12113	9511	10632
50°	10113	11062	10113	10038
55°	9523	9930	9523	9694
60°	9829	8433	9829	8879
65°	8926	6971	8926	7792
70°	6196	5555	6196	6532
75°	5453	4106	5453	4917
80°	4427	2715	4427	2956
85°	2595	1439	2595	1222

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14568 cd/sqm



TEST NUMBER: P934578

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-12-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	477.6	2.4
10°-20°	1356.0	6.9
20°-30°	2096.2	10.7
30°-40°	2502.4	12.8
40°-50°	2517.0	12.8
50°-60°	2190.1	11.2
60°-70°	1552.8	7.9
70°-80°	821.5	4.2
80°-90°	208.1	1.1
90°-100°	442.8	2.3
100°-110°	1164.2	5.9
110°-120°	1207.1	6.2
120°-130°	968.3	4.9
130°-140°	759.7	3.9
140°-150°	583.1	3.0
150°-160°	420.0	2.1
160°-170°	256.9	1.3
170°-180°	86.8	0.4
0°-30°	3929.8	20.0
0°-40°	6432.1	32.8
0°-60°	11139.3	56.8
0°-90°	13721.7	70.0
90°-120°	2814.0	14.3
90°-150°	5125.1	26.1
90°-180°	5889.0	30.0
0°-180°	19610.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5291	5291	5291	5291	5291	
5°	5316	5481	5316	4310	5316	504
15°	5076	5431	5076	4535	5076	1428
25°	4470	5066	4470	4435	4470	2052
35°	3399	4520	3399	3859	3399	2103
45°	2192	3724	2192	3269	2192	1756
55°	1787	2748	1787	2683	1787	1642
65°	1241	1657	1241	1852	1241	1186
75°	470	786	470	941	470	495
85°	80	200	80	170	80	108
90°	6	23	6	23	6	8
95°	59	268	59	268	59	65
105°	210	1823	210	1823	210	222
115°	372	2347	372	2347	372	368
125°	518	1869	518	1869	518	460
135°	618	1450	618	1450	618	478
145°	716	1177	716	1177	716	449
155°	810	1013	810	1013	810	372
165°	874	944	874	944	874	247
175°	908	914	908	914	908	86
180°	908	908	908	908	908	



TEST NUMBER: P934578

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9
2.5°	5335.9	5335.9	5365.9	5376.0	5376.0	5360.9	5345.9	5360.9	5405.9	5421.0	5416.0
5°	5315.8	5356.0	5411.0	5421.0	5431.0	5426.0	5416.0	5426.0	5476.0	5486.1	5491.0
7.5°	5275.8	5350.9	5421.0	5436.0	5451.0	5436.0	5431.0	5441.0	5491.0	5501.1	5501.1
10°	5225.8	5330.9	5411.0	5421.0	5436.0	5421.0	5421.0	5441.0	5491.0	5501.1	5506.1
12.5°	5155.7	5300.8	5376.0	5385.9	5405.9	5400.9	5396.0	5416.0	5466.0	5476.0	5476.0
15°	5075.6	5245.8	5315.8	5325.9	5360.9	5350.9	5350.9	5370.9	5426.0	5441.0	5436.0
17.5°	4965.5	5175.7	5255.8	5270.9	5295.8	5290.9	5295.8	5315.8	5365.9	5376.0	5380.9
20°	4840.4	5080.6	5175.7	5190.7	5215.7	5215.7	5215.7	5240.8	5290.9	5310.9	5310.9
22.5°	4670.2	4980.5	5080.6	5090.6	5120.7	5120.7	5130.7	5165.7	5210.7	5215.7	5215.7
25°	4469.9	4870.3	4955.4	4985.5	5015.6	5030.6	5045.6	5065.6	5080.6	5075.6	5080.6
27.5°	4259.7	4730.2	4840.4	4860.4	4900.4	4915.4	4935.4	4940.5	4945.5	4960.5	4950.5
30°	4024.5	4535.0	4700.2	4720.2	4785.3	4795.3	4775.3	4785.3	4810.3	4820.4	4830.3
32.5°	3759.1	4244.7	4555.0	4600.1	4660.1	4630.2	4625.1	4640.1	4680.1	4680.1	4690.2
35°	3398.7	4019.4	4419.8	4459.9	4504.9	4469.9	4489.9	4495.0	4520.0	4535.0	4530.0
37.5°	3003.4	3824.2	4279.7	4309.8	4344.8	4299.7	4329.8	4344.8	4364.8	4354.8	4354.8
40°	2652.9	3518.8	4114.6	4134.6	4164.6	4129.6	4159.6	4169.6	4179.7	4169.6	4164.6
42.5°	2392.6	3183.5	3939.4	3964.4	3944.4	3969.3	3979.4	3999.4	3984.4	3964.4	3964.4
45°	2192.4	3093.4	3749.2	3779.1	3749.2	3789.2	3804.2	3804.2	3759.1	3749.2	3744.1
47.5°	2127.4	2913.2	3559.0	3559.0	3543.9	3594.0	3619.0	3583.9	3539.0	3523.9	3523.9
50°	2122.4	2713.0	3298.7	3278.6	3348.7	3408.8	3383.8	3348.7	3313.7	3258.6	3258.6
52.5°	1927.1	2467.8	2963.2	3038.4	3148.5	3183.5	3143.5	3108.5	3048.3	3023.4	3003.4
55°	1786.9	2212.5	2658.0	2808.1	2923.2	2968.3	2893.2	2858.1	2768.1	2753.0	2743.1
57.5°	1757.0	1842.0	2377.6	2567.8	2708.0	2703.0	2658.0	2592.9	2517.8	2502.8	2497.7
60°	1611.8	1331.5	2077.3	2302.5	2447.7	2432.7	2392.6	2332.6	2262.5	2252.5	2242.5
62.5°	1461.6	966.1	1736.9	1992.2	2197.4	2192.4	2157.4	2067.2	2017.3	1992.2	1972.2
65°	1241.4	810.9	1236.3	1656.9	1952.2	1962.1	1887.1	1822.0	1766.9	1736.9	1731.9
67.5°	946.1	660.7	835.9	1381.5	1716.9	1706.9	1611.8	1581.7	1511.6	1496.6	1466.6
70°	700.8	440.4	580.7	1121.3	1486.6	1461.6	1386.5	1351.5	1286.4	1251.3	1231.3
72.5°	580.7	355.4	425.5	870.9	1251.3	1221.4	1156.3	1116.3	1061.1	1031.2	1011.1
75°	470.5	375.4	325.4	645.7	1016.1	996.1	936.0	896.0	850.9	810.9	815.9
77.5°	345.4	350.4	260.3	475.5	805.9	775.9	740.8	690.8	670.8	630.7	630.7
80°	260.3	275.3	195.2	325.4	580.7	580.7	550.6	515.6	480.6	460.5	460.5
82.5°	175.2	175.2	145.1	205.2	395.5	380.4	360.4	350.4	330.4	320.4	320.4
85°	80.1	100.1	90.1	125.1	215.2	225.2	225.2	215.2	210.2	200.3	205.2
87.5°	25.0	45.1	55.0	70.1	110.1	115.2	120.1	120.1	120.1	125.1	125.1
90°	6.1	10.9	15.9	17.1	26.8	39.8	46.3	41.2	30.9	23.2	23.2
92.5°	24.4	65.8	107.3	117.6	165.4	229.0	260.9	228.7	164.2	115.9	111.2
95°	58.6	134.4	210.3	229.2	407.0	644.2	762.7	680.5	516.4	393.2	379.2
97.5°	101.2	168.1	235.1	251.8	548.3	943.6	1141.3	1089.4	985.6	907.8	881.3
100°	134.1	194.8	255.5	270.7	599.7	1038.4	1257.7	1261.5	1269.1	1274.8	1243.1
102.5°	162.2	218.8	275.4	289.6	623.3	1068.2	1290.7	1356.7	1489.0	1588.2	1561.0
105°	209.7	257.6	305.6	317.6	640.7	1071.6	1287.0	1435.2	1731.6	1954.0	1939.4
107.5°	258.5	303.2	348.0	359.1	644.1	1024.0	1213.9	1420.6	1834.2	2144.3	2147.8
110°	291.5	331.8	372.2	382.3	639.1	981.7	1152.9	1384.0	1846.3	2193.0	2208.1



TEST NUMBER: P934578

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	323.7	362.2	400.6	410.3	639.3	944.7	1097.4	1334.0	1807.0	2161.9	2185.2
115°	372.5	408.0	443.5	452.4	645.2	902.4	1031.0	1258.8	1714.6	2056.4	2088.7
117.5°	420.6	452.9	485.1	493.2	657.2	875.9	985.2	1190.9	1602.2	1910.7	1946.5
120°	448.7	479.1	509.4	517.0	666.9	867.0	967.0	1154.9	1530.7	1812.6	1847.4
122.5°	476.1	506.8	537.4	545.1	681.0	862.3	952.9	1122.1	1460.6	1714.4	1748.7
125°	518.2	546.1	574.0	581.0	700.0	858.4	937.7	1081.4	1368.9	1584.5	1616.2
127.5°	552.4	580.6	608.8	615.8	718.8	856.1	924.9	1048.3	1295.1	1480.3	1507.0
130°	570.7	601.1	631.3	638.9	732.6	857.5	920.0	1029.9	1249.7	1414.4	1439.1
132.5°	589.5	619.9	650.3	657.9	743.8	858.4	915.7	1014.1	1210.8	1358.3	1380.4
135°	617.6	645.2	672.8	679.7	756.0	857.6	908.4	990.8	1155.6	1279.1	1298.2
137.5°	646.2	673.6	701.0	707.8	774.3	862.9	907.2	976.8	1116.2	1220.6	1236.1
140°	670.0	695.2	720.4	726.7	785.4	863.7	902.9	963.0	1083.4	1173.6	1188.2
142.5°	688.3	711.6	735.0	740.8	794.8	866.9	902.9	955.7	1061.4	1140.7	1153.2
145°	716.3	736.6	757.0	762.1	807.0	866.9	896.9	940.1	1026.5	1091.3	1100.8
147.5°	744.4	764.2	784.0	788.9	824.9	872.9	896.9	930.9	998.9	1049.9	1057.8
150°	762.7	780.5	798.5	802.9	834.3	876.0	896.9	925.6	982.9	1026.0	1032.4
152.5°	781.6	795.1	808.7	812.1	840.4	878.0	896.9	921.4	970.4	1007.2	1012.0
155°	809.6	819.7	829.7	832.2	853.8	882.5	896.9	916.4	955.3	984.6	987.8
157.5°	830.4	840.2	849.8	852.3	867.2	887.0	896.9	912.0	942.3	965.1	967.4
160°	844.4	852.0	859.6	861.5	873.3	889.0	896.9	909.9	935.8	955.3	956.6
162.5°	858.4	864.1	869.8	871.2	879.8	891.1	896.9	907.8	929.7	946.2	947.3
165°	873.7	878.8	883.9	885.2	889.1	894.3	896.9	904.8	920.4	932.2	933.4
167.5°	887.7	890.1	892.5	893.1	896.4	900.7	902.9	908.0	918.4	926.1	926.6
170°	896.9	899.2	901.7	902.3	902.5	902.8	902.9	908.0	918.4	926.1	926.1
172.5°	901.7	902.2	902.8	902.9	902.9	902.9	902.9	906.9	915.1	921.2	920.7
175°	908.4	908.4	908.4	908.4	906.5	904.1	902.9	905.4	910.7	914.5	914.5
177.5°	908.4	908.4	908.4	908.4	907.0	905.1	904.2	906.2	910.3	913.3	912.7
180°	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4



TEST NUMBER: P934578

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9
2.5°	5426.0	5411.0	5426.0	5416.0	5421.0	5405.9	5360.9	5345.9	5360.9	5376.0	5376.0
5°	5491.0	5481.1	5491.0	5491.0	5486.1	5476.0	5426.0	5416.0	5426.0	5431.0	5421.0
7.5°	5511.0	5496.1	5511.0	5501.1	5501.1	5491.0	5441.0	5431.0	5436.0	5451.0	5436.0
10°	5511.0	5496.1	5511.0	5506.1	5501.1	5491.0	5441.0	5421.0	5421.0	5436.0	5421.0
12.5°	5486.1	5476.0	5486.1	5476.0	5476.0	5466.0	5416.0	5396.0	5400.9	5405.9	5385.9
15°	5446.0	5431.0	5446.0	5436.0	5441.0	5426.0	5370.9	5350.9	5350.9	5360.9	5325.9
17.5°	5385.9	5365.9	5385.9	5380.9	5376.0	5365.9	5315.8	5295.8	5290.9	5295.8	5270.9
20°	5315.8	5300.8	5315.8	5310.9	5310.9	5290.9	5240.8	5215.7	5215.7	5215.7	5190.7
22.5°	5205.8	5190.7	5205.8	5215.7	5215.7	5210.7	5165.7	5130.7	5120.7	5120.7	5090.6
25°	5080.6	5065.6	5080.6	5080.6	5075.6	5080.6	5065.6	5045.6	5030.6	5015.6	4985.5
27.5°	4960.5	4950.5	4960.5	4950.5	4960.5	4945.5	4940.5	4935.4	4915.4	4900.4	4860.4
30°	4840.4	4830.3	4840.4	4830.3	4820.4	4810.3	4785.3	4775.3	4795.3	4785.3	4720.2
32.5°	4690.2	4680.1	4690.2	4690.2	4680.1	4680.1	4640.1	4625.1	4630.2	4660.1	4600.1
35°	4535.0	4520.0	4535.0	4530.0	4535.0	4520.0	4495.0	4489.9	4469.9	4504.9	4459.9
37.5°	4354.8	4339.8	4354.8	4354.8	4354.8	4364.8	4344.8	4329.8	4299.7	4344.8	4309.8
40°	4169.6	4149.6	4169.6	4164.6	4169.6	4179.7	4169.6	4159.6	4129.6	4164.6	4134.6
42.5°	3959.4	3954.4	3959.4	3964.4	3964.4	3984.4	3999.4	3979.4	3969.3	3944.4	3964.4
45°	3734.1	3724.1	3734.1	3744.1	3749.2	3759.1	3804.2	3804.2	3789.2	3749.2	3779.1
47.5°	3493.9	3468.8	3493.9	3523.9	3523.9	3539.0	3583.9	3619.0	3594.0	3543.9	3559.0
50°	3238.6	3243.5	3238.6	3258.6	3258.6	3313.7	3348.7	3383.8	3408.8	3348.7	3278.6
52.5°	2988.3	2983.3	2988.3	3003.4	3023.4	3048.3	3108.5	3143.5	3183.5	3148.5	3038.4
55°	2738.0	2748.1	2738.0	2743.1	2753.0	2768.1	2858.1	2893.2	2968.3	2923.2	2808.1
57.5°	2487.8	2472.7	2487.8	2497.7	2502.8	2517.8	2592.9	2658.0	2703.0	2708.0	2567.8
60°	2197.4	2177.4	2197.4	2242.5	2252.5	2262.5	2332.6	2392.6	2432.7	2447.7	2302.5
62.5°	1942.1	1907.1	1942.1	1972.2	1992.2	2017.3	2067.2	2157.4	2192.4	2197.4	1992.2
65°	1671.9	1656.9	1671.9	1731.9	1736.9	1766.9	1822.0	1887.1	1962.1	1952.2	1656.9
67.5°	1426.5	1426.5	1426.5	1466.6	1496.6	1511.6	1581.7	1611.8	1706.9	1716.9	1381.5
70°	1201.3	1196.3	1201.3	1231.3	1251.3	1286.4	1351.5	1386.5	1461.6	1486.6	1121.3
72.5°	986.1	981.1	986.1	1011.1	1031.2	1061.1	1116.3	1156.3	1221.4	1251.3	870.9
75°	795.9	785.8	795.9	815.9	810.9	850.9	896.0	936.0	996.1	1016.1	645.7
77.5°	610.6	610.6	610.6	630.7	630.7	670.8	690.8	740.8	775.9	805.9	475.5
80°	455.5	450.5	455.5	460.5	460.5	480.6	515.6	550.6	580.7	580.7	325.4
82.5°	320.4	310.3	320.4	320.4	320.4	330.4	350.4	360.4	380.4	395.5	205.2
85°	200.3	200.3	200.3	205.2	200.3	210.2	215.2	225.2	225.2	215.2	125.1
87.5°	130.2	125.1	130.2	125.1	125.1	120.1	120.1	120.1	115.2	110.1	70.1
90°	23.2	23.2	23.2	23.2	23.2	30.9	41.2	46.3	39.8	26.8	17.1
92.5°	92.8	74.3	92.8	111.2	115.9	164.2	228.7	260.9	229.0	165.4	117.6
95°	323.4	267.6	323.4	379.2	393.2	516.4	680.5	762.7	644.2	407.0	229.2
97.5°	775.0	668.8	775.0	881.3	907.8	985.6	1089.4	1141.3	943.6	548.3	251.8
100°	1116.6	990.1	1116.6	1243.1	1274.8	1269.1	1261.5	1257.7	1038.4	599.7	270.7
102.5°	1452.7	1344.3	1452.7	1561.0	1588.2	1489.0	1356.7	1290.7	1068.2	623.3	289.6
105°	1881.2	1822.9	1881.2	1939.4	1954.0	1731.6	1435.2	1287.0	1071.6	640.7	317.6
107.5°	2161.8	2175.9	2161.8	2147.8	2144.3	1834.2	1420.6	1213.9	1024.0	644.1	359.1
110°	2268.8	2329.5	2268.8	2208.1	2193.0	1846.3	1384.0	1152.9	981.7	639.1	382.3



TEST NUMBER: P934578

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2278.4	2371.6	2278.4	2185.2	2161.9	1807.0	1334.0	1097.4	944.7	639.3	410.3
115°	2218.0	2347.3	2218.0	2088.7	2056.4	1714.6	1258.8	1031.0	902.4	645.2	452.4
117.5°	2089.8	2233.2	2089.8	1946.5	1910.7	1602.2	1190.9	985.2	875.9	657.2	493.2
120°	1986.7	2125.9	1986.7	1847.4	1812.6	1530.7	1154.9	967.0	867.0	666.9	517.0
122.5°	1886.1	2023.5	1886.1	1748.7	1714.4	1460.6	1122.1	952.9	862.3	681.0	545.1
125°	1742.7	1869.3	1742.7	1616.2	1584.5	1368.9	1081.4	937.7	858.4	700.0	581.0
127.5°	1613.7	1720.5	1613.7	1507.0	1480.3	1295.1	1048.3	924.9	856.1	718.8	615.8
130°	1537.8	1636.4	1537.8	1439.1	1414.4	1249.7	1029.9	920.0	857.5	732.6	638.9
132.5°	1468.7	1557.1	1468.7	1380.4	1358.3	1210.8	1014.1	915.7	858.4	743.8	657.9
135°	1374.3	1450.4	1374.3	1298.2	1279.1	1155.6	990.8	908.4	857.6	756.0	679.7
137.5°	1298.5	1360.8	1298.5	1236.1	1220.6	1116.2	976.8	907.2	862.9	774.3	707.8
140°	1246.4	1304.7	1246.4	1188.2	1173.6	1083.4	963.0	902.9	863.7	785.4	726.7
142.5°	1203.4	1253.5	1203.4	1153.2	1140.7	1061.4	955.7	902.9	866.9	794.8	740.8
145°	1138.7	1176.7	1138.7	1100.8	1091.3	1026.5	940.1	896.9	866.9	807.0	762.1
147.5°	1089.1	1120.6	1089.1	1057.8	1049.9	998.9	930.9	896.9	872.9	824.9	788.9
150°	1057.9	1083.4	1057.9	1032.4	1026.0	982.9	925.6	896.9	876.0	834.3	802.9
152.5°	1031.3	1050.5	1031.3	1012.0	1007.2	970.4	921.4	896.9	878.0	840.4	812.1
155°	1000.6	1013.3	1000.6	987.8	984.6	955.3	916.4	896.9	882.5	853.8	832.2
157.5°	976.2	985.2	976.2	967.4	965.1	942.3	912.0	896.9	887.0	867.2	852.3
160°	961.8	967.0	961.8	956.6	955.3	935.8	909.9	896.9	889.0	873.3	861.5
162.5°	952.3	957.2	952.3	947.3	946.2	929.7	907.8	896.9	891.1	879.8	871.2
165°	938.7	943.8	938.7	933.4	932.2	920.4	904.8	896.9	894.3	889.1	885.2
167.5°	928.8	931.0	928.8	926.6	926.1	918.4	908.0	902.9	900.7	896.4	893.1
170°	926.1	926.1	926.1	926.1	926.1	918.4	908.0	902.9	902.8	902.5	902.3
172.5°	918.9	917.0	918.9	920.7	921.2	915.1	906.9	902.9	902.9	902.9	902.9
175°	914.5	914.5	914.5	914.5	914.5	910.7	905.4	902.9	904.1	906.5	908.4
177.5°	910.6	908.4	910.6	912.7	913.3	910.3	906.2	904.2	905.1	907.0	908.4
180°	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4



TEST NUMBER: P934578

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9
2.5°	5365.9	5335.9	5335.9	5285.8	5265.8	5250.8	5225.8	5150.7	5130.7	5110.6	5140.7
5°	5411.0	5356.0	5315.8	5225.8	5150.7	5120.7	5025.5	4845.3	4725.2	4635.1	4585.1
7.5°	5421.0	5350.9	5275.8	5135.7	4955.4	4875.4	4585.1	4254.7	4164.6	4084.5	4034.4
10°	5411.0	5330.9	5225.8	5015.6	4590.0	4449.9	4159.6	3944.4	3889.3	3874.3	3889.3
12.5°	5376.0	5300.8	5155.7	4805.3	4209.6	4114.6	3944.4	3819.2	3809.2	3834.3	3969.3
15°	5315.8	5245.8	5075.6	4525.0	3999.4	3929.3	3809.2	3764.2	3819.2	3994.4	4399.8
17.5°	5255.8	5175.7	4965.5	4249.7	3839.3	3789.2	3704.1	3794.2	4104.5	4339.8	4475.0
20°	5175.7	5080.6	4840.4	4049.5	3724.1	3679.1	3639.0	4044.5	4279.7	4364.8	4439.9
22.5°	5080.6	4980.5	4670.2	3909.3	3604.0	3568.9	3594.0	4184.6	4279.7	4339.8	4404.9
25°	4955.4	4870.3	4469.9	3799.2	3508.9	3468.8	3563.9	4169.6	4224.6	4239.7	4369.9
27.5°	4840.4	4730.2	4259.7	3699.1	3393.7	3378.7	3588.9	4104.5	4144.6	4159.6	4299.7
30°	4700.2	4535.0	4024.5	3594.0	3273.6	3268.6	3594.0	4024.5	4014.4	4054.4	4194.6
32.5°	4555.0	4244.7	3759.1	3463.8	3158.5	3153.5	3559.0	3904.3	3894.3	3949.3	4054.4
35°	4419.8	4019.4	3398.7	3313.7	3013.3	3018.3	3473.9	3764.2	3769.2	3819.2	3884.2
37.5°	4279.7	3824.2	3003.4	3148.5	2873.2	2873.2	3358.7	3634.0	3624.0	3639.0	3729.2
40°	4114.6	3518.8	2652.9	2933.3	2743.1	2728.0	3218.6	3493.9	3458.8	3453.9	3579.0
42.5°	3939.4	3183.5	2392.6	2647.9	2592.9	2572.9	3048.3	3323.7	3258.6	3273.6	3433.7
45°	3749.2	3093.4	2192.4	2237.4	2437.7	2422.7	2863.1	3128.5	3083.4	3123.5	3288.6
47.5°	3559.0	2913.2	2127.4	1857.0	2272.5	2267.5	2658.0	2938.3	2913.2	2953.3	3128.5
50°	3298.7	2713.0	2122.4	1591.8	2087.3	2107.3	2412.6	2753.0	2753.0	2788.1	2973.3
52.5°	2963.2	2467.8	1927.1	1441.6	1872.0	1932.2	2197.4	2592.9	2602.8	2637.9	2803.1
55°	2658.0	2212.5	1786.9	1326.5	1616.7	1746.9	1987.2	2427.6	2447.7	2482.7	2632.9
57.5°	2377.6	1842.0	1757.0	1191.3	1381.5	1506.7	1802.0	2267.5	2277.6	2307.5	2452.7
60°	2077.3	1331.5	1611.8	1046.1	1176.3	1271.4	1631.8	2077.3	2112.3	2132.3	2257.4
62.5°	1736.9	966.1	1461.6	946.1	1076.2	1096.2	1491.6	1897.1	1942.1	1957.1	2032.2
65°	1236.3	810.9	1241.4	861.0	971.1	976.0	1341.5	1711.9	1751.9	1777.0	1832.0
67.5°	835.9	660.7	946.1	780.8	890.9	896.0	1196.3	1496.6	1551.7	1571.8	1606.8
70°	580.7	440.4	700.8	695.7	800.9	810.9	1041.1	1301.4	1351.5	1366.5	1386.5
72.5°	425.5	355.4	580.7	625.7	705.8	715.8	881.0	1081.1	1131.2	1146.2	1156.3
75°	325.4	375.4	470.5	545.6	600.7	605.7	720.8	881.0	916.0	926.1	931.0
77.5°	260.3	350.4	345.4	440.4	490.5	480.6	565.7	680.7	710.8	710.8	710.8
80°	195.2	275.3	260.3	315.3	360.4	350.4	405.4	485.5	495.6	505.5	500.6
82.5°	145.1	175.2	175.2	200.3	240.3	230.2	270.3	315.3	315.3	315.3	325.4
85°	90.1	100.1	80.1	105.1	135.2	130.2	150.2	170.2	175.2	175.2	165.2
87.5°	55.0	45.1	25.0	40.0	60.0	60.0	70.1	75.0	70.1	70.1	70.1
90°	15.9	10.9	6.1	10.9	15.9	17.1	26.8	39.8	46.3	41.2	30.9
92.5°	107.3	65.8	24.4	65.8	107.3	117.6	165.4	229.0	260.9	228.7	164.2
95°	210.3	134.4	58.6	134.4	210.3	229.2	407.0	644.2	762.7	680.5	516.4
97.5°	235.1	168.1	101.2	168.1	235.1	251.8	548.3	943.6	1141.3	1089.4	985.6
100°	255.5	194.8	134.1	194.8	255.5	270.7	599.7	1038.4	1257.7	1261.5	1269.1
102.5°	275.4	218.8	162.2	218.8	275.4	289.6	623.3	1068.2	1290.7	1356.7	1489.0
105°	305.6	257.6	209.7	257.6	305.6	317.6	640.7	1071.6	1287.0	1435.2	1731.6
107.5°	348.0	303.2	258.5	303.2	348.0	359.1	644.1	1024.0	1213.9	1420.6	1834.2
110°	372.2	331.8	291.5	331.8	372.2	382.3	639.1	981.7	1152.9	1384.0	1846.3



TEST NUMBER: P934578

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	400.6	362.2	323.7	362.2	400.6	410.3	639.3	944.7	1097.4	1334.0	1807.0
115°	443.5	408.0	372.5	408.0	443.5	452.4	645.2	902.4	1031.0	1258.8	1714.6
117.5°	485.1	452.9	420.6	452.9	485.1	493.2	657.2	875.9	985.2	1190.9	1602.2
120°	509.4	479.1	448.7	479.1	509.4	517.0	666.9	867.0	967.0	1154.9	1530.7
122.5°	537.4	506.8	476.1	506.8	537.4	545.1	681.0	862.3	952.9	1122.1	1460.6
125°	574.0	546.1	518.2	546.1	574.0	581.0	700.0	858.4	937.7	1081.4	1368.9
127.5°	608.8	580.6	552.4	580.6	608.8	615.8	718.8	856.1	924.9	1048.3	1295.1
130°	631.3	601.1	570.7	601.1	631.3	638.9	732.6	857.5	920.0	1029.9	1249.7
132.5°	650.3	619.9	589.5	619.9	650.3	657.9	743.8	858.4	915.7	1014.1	1210.8
135°	672.8	645.2	617.6	645.2	672.8	679.7	756.0	857.6	908.4	990.8	1155.6
137.5°	701.0	673.6	646.2	673.6	701.0	707.8	774.3	862.9	907.2	976.8	1116.2
140°	720.4	695.2	670.0	695.2	720.4	726.7	785.4	863.7	902.9	963.0	1083.4
142.5°	735.0	711.6	688.3	711.6	735.0	740.8	794.8	866.9	902.9	955.7	1061.4
145°	757.0	736.6	716.3	736.6	757.0	762.1	807.0	866.9	896.9	940.1	1026.5
147.5°	784.0	764.2	744.4	764.2	784.0	788.9	824.9	872.9	896.9	930.9	998.9
150°	798.5	780.5	762.7	780.5	798.5	802.9	834.3	876.0	896.9	925.6	982.9
152.5°	808.7	795.1	781.6	795.1	808.7	812.1	840.4	878.0	896.9	921.4	970.4
155°	829.7	819.7	809.6	819.7	829.7	832.2	853.8	882.5	896.9	916.4	955.3
157.5°	849.8	840.2	830.4	840.2	849.8	852.3	867.2	887.0	896.9	912.0	942.3
160°	859.6	852.0	844.4	852.0	859.6	861.5	873.3	889.0	896.9	909.9	935.8
162.5°	869.8	864.1	858.4	864.1	869.8	871.2	879.8	891.1	896.9	907.8	929.7
165°	883.9	878.8	873.7	878.8	883.9	885.2	889.1	894.3	896.9	904.8	920.4
167.5°	892.5	890.1	887.7	890.1	892.5	893.1	896.4	900.7	902.9	908.0	918.4
170°	901.7	899.2	896.9	899.2	901.7	902.3	902.5	902.8	902.9	908.0	918.4
172.5°	902.8	902.2	901.7	902.2	902.8	902.9	902.9	902.9	902.9	906.9	915.1
175°	908.4	908.4	908.4	908.4	908.4	908.4	906.5	904.1	902.9	905.4	910.7
177.5°	908.4	908.4	908.4	908.4	908.4	908.4	907.0	905.1	904.2	906.2	910.3
180°	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4



TEST NUMBER: P934578

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9
2.5°	5105.6	5090.6	5110.6	5055.6	5110.6	5090.6	5105.6	5140.7	5110.6	5130.7	5150.7
5°	4480.0	4454.9	4374.8	4309.8	4374.8	4454.9	4480.0	4585.1	4635.1	4725.2	4845.3
7.5°	4004.4	3984.4	3964.4	3924.4	3964.4	3984.4	4004.4	4034.4	4084.5	4164.6	4254.7
10°	3899.3	3904.3	3934.3	3929.3	3934.3	3904.3	3899.3	3889.3	3874.3	3889.3	3944.4
12.5°	4169.6	4214.7	4379.8	4369.9	4379.8	4214.7	4169.6	3969.3	3834.3	3809.2	3819.2
15°	4480.0	4495.0	4530.0	4535.0	4530.0	4495.0	4480.0	4399.8	3994.4	3819.2	3764.2
17.5°	4510.0	4515.0	4540.0	4540.0	4540.0	4515.0	4510.0	4475.0	4339.8	4104.5	3794.2
20°	4484.9	4495.0	4545.1	4555.0	4545.1	4495.0	4484.9	4439.9	4364.8	4279.7	4044.5
22.5°	4475.0	4495.0	4535.0	4530.0	4535.0	4495.0	4475.0	4404.9	4339.8	4279.7	4184.6
25°	4424.9	4424.9	4429.9	4434.9	4429.9	4424.9	4424.9	4369.9	4239.7	4224.6	4169.6
27.5°	4319.8	4329.8	4359.8	4354.8	4359.8	4329.8	4319.8	4299.7	4159.6	4144.6	4104.5
30°	4224.6	4214.7	4189.6	4169.6	4189.6	4214.7	4224.6	4194.6	4054.4	4014.4	4024.5
32.5°	4064.5	4039.4	4014.4	3999.4	4014.4	4039.4	4064.5	4054.4	3949.3	3894.3	3904.3
35°	3874.3	3879.3	3874.3	3859.3	3874.3	3879.3	3874.3	3884.2	3819.2	3769.2	3764.2
37.5°	3739.1	3749.2	3744.1	3724.1	3744.1	3749.2	3739.1	3729.2	3639.0	3624.0	3634.0
40°	3599.0	3604.0	3599.0	3583.9	3599.0	3604.0	3599.0	3579.0	3453.9	3458.8	3493.9
42.5°	3463.8	3458.8	3443.8	3433.7	3443.8	3458.8	3463.8	3433.7	3273.6	3258.6	3323.7
45°	3308.6	3313.7	3283.6	3268.6	3283.6	3313.7	3308.6	3288.6	3123.5	3083.4	3128.5
47.5°	3153.5	3153.5	3128.5	3113.4	3128.5	3153.5	3153.5	3128.5	2953.3	2913.2	2938.3
50°	2988.3	2983.3	2948.2	2943.2	2948.2	2983.3	2988.3	2973.3	2788.1	2753.0	2753.0
52.5°	2798.1	2798.1	2803.1	2813.1	2803.1	2798.1	2798.1	2803.1	2637.9	2602.8	2592.9
55°	2632.9	2637.9	2672.9	2683.0	2672.9	2637.9	2632.9	2632.9	2482.7	2447.7	2427.6
57.5°	2462.7	2462.7	2487.8	2487.8	2487.8	2462.7	2462.7	2452.7	2307.5	2277.6	2267.5
60°	2267.5	2277.6	2297.6	2292.5	2297.6	2277.6	2267.5	2257.4	2132.3	2112.3	2077.3
62.5°	2062.3	2072.3	2077.3	2067.2	2077.3	2072.3	2062.3	2032.2	1957.1	1942.1	1897.1
65°	1847.1	1857.0	1862.1	1852.0	1862.1	1857.0	1847.1	1832.0	1777.0	1751.9	1711.9
67.5°	1626.8	1621.8	1616.7	1636.8	1616.7	1621.8	1626.8	1606.8	1571.8	1551.7	1496.6
70°	1401.5	1401.5	1396.6	1406.5	1396.6	1401.5	1401.5	1386.5	1366.5	1351.5	1301.4
72.5°	1161.3	1156.3	1176.3	1161.3	1176.3	1156.3	1161.3	1156.3	1146.2	1131.2	1081.1
75°	926.1	936.0	926.1	941.0	926.1	936.0	926.1	931.0	926.1	916.0	881.0
77.5°	705.8	715.8	705.8	705.8	705.8	715.8	705.8	710.8	710.8	710.8	680.7
80°	500.6	495.6	495.6	490.5	495.6	495.6	500.6	500.6	505.5	495.6	485.5
82.5°	320.4	315.3	315.3	325.4	315.3	315.3	320.4	325.4	315.3	315.3	315.3
85°	175.2	180.2	170.2	170.2	170.2	180.2	175.2	165.2	175.2	175.2	170.2
87.5°	65.1	60.0	60.0	60.0	60.0	60.0	65.1	70.1	70.1	70.1	75.0
90°	23.2	23.2	23.2	23.2	23.2	23.2	23.2	30.9	41.2	46.3	39.8
92.5°	115.9	111.2	92.8	74.3	92.8	111.2	115.9	164.2	228.7	260.9	229.0
95°	393.2	379.2	323.4	267.6	323.4	379.2	393.2	516.4	680.5	762.7	644.2
97.5°	907.8	881.3	775.0	668.8	775.0	881.3	907.8	985.6	1089.4	1141.3	943.6
100°	1274.8	1243.1	1116.6	990.1	1116.6	1243.1	1274.8	1269.1	1261.5	1257.7	1038.4
102.5°	1588.2	1561.0	1452.7	1344.3	1452.7	1561.0	1588.2	1489.0	1356.7	1290.7	1068.2
105°	1954.0	1939.4	1881.2	1822.9	1881.2	1939.4	1954.0	1731.6	1435.2	1287.0	1071.6
107.5°	2144.3	2147.8	2161.8	2175.9	2161.8	2147.8	2144.3	1834.2	1420.6	1213.9	1024.0
110°	2193.0	2208.1	2268.8	2329.5	2268.8	2208.1	2193.0	1846.3	1384.0	1152.9	981.7



TEST NUMBER: P934578

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2161.9	2185.2	2278.4	2371.6	2278.4	2185.2	2161.9	1807.0	1334.0	1097.4	944.7
115°	2056.4	2088.7	2218.0	2347.3	2218.0	2088.7	2056.4	1714.6	1258.8	1031.0	902.4
117.5°	1910.7	1946.5	2089.8	2233.2	2089.8	1946.5	1910.7	1602.2	1190.9	985.2	875.9
120°	1812.6	1847.4	1986.7	2125.9	1986.7	1847.4	1812.6	1530.7	1154.9	967.0	867.0
122.5°	1714.4	1748.7	1886.1	2023.5	1886.1	1748.7	1714.4	1460.6	1122.1	952.9	862.3
125°	1584.5	1616.2	1742.7	1869.3	1742.7	1616.2	1584.5	1368.9	1081.4	937.7	858.4
127.5°	1480.3	1507.0	1613.7	1720.5	1613.7	1507.0	1480.3	1295.1	1048.3	924.9	856.1
130°	1414.4	1439.1	1537.8	1636.4	1537.8	1439.1	1414.4	1249.7	1029.9	920.0	857.5
132.5°	1358.3	1380.4	1468.7	1557.1	1468.7	1380.4	1358.3	1210.8	1014.1	915.7	858.4
135°	1279.1	1298.2	1374.3	1450.4	1374.3	1298.2	1279.1	1155.6	990.8	908.4	857.6
137.5°	1220.6	1236.1	1298.5	1360.8	1298.5	1236.1	1220.6	1116.2	976.8	907.2	862.9
140°	1173.6	1188.2	1246.4	1304.7	1246.4	1188.2	1173.6	1083.4	963.0	902.9	863.7
142.5°	1140.7	1153.2	1203.4	1253.5	1203.4	1153.2	1140.7	1061.4	955.7	902.9	866.9
145°	1091.3	1100.8	1138.7	1176.7	1138.7	1100.8	1091.3	1026.5	940.1	896.9	866.9
147.5°	1049.9	1057.8	1089.1	1120.6	1089.1	1057.8	1049.9	998.9	930.9	896.9	872.9
150°	1026.0	1032.4	1057.9	1083.4	1057.9	1032.4	1026.0	982.9	925.6	896.9	876.0
152.5°	1007.2	1012.0	1031.3	1050.5	1031.3	1012.0	1007.2	970.4	921.4	896.9	878.0
155°	984.6	987.8	1000.6	1013.3	1000.6	987.8	984.6	955.3	916.4	896.9	882.5
157.5°	965.1	967.4	976.2	985.2	976.2	967.4	965.1	942.3	912.0	896.9	887.0
160°	955.3	956.6	961.8	967.0	961.8	956.6	955.3	935.8	909.9	896.9	889.0
162.5°	946.2	947.3	952.3	957.2	952.3	947.3	946.2	929.7	907.8	896.9	891.1
165°	932.2	933.4	938.7	943.8	938.7	933.4	932.2	920.4	904.8	896.9	894.3
167.5°	926.1	926.6	928.8	931.0	928.8	926.6	926.1	918.4	908.0	902.9	900.7
170°	926.1	926.1	926.1	926.1	926.1	926.1	926.1	918.4	908.0	902.9	902.8
172.5°	921.2	920.7	918.9	917.0	918.9	920.7	921.2	915.1	906.9	902.9	902.9
175°	914.5	914.5	914.5	914.5	914.5	914.5	914.5	910.7	905.4	902.9	904.1
177.5°	913.3	912.7	910.6	908.4	910.6	912.7	913.3	910.3	906.2	904.2	905.1
180°	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4



TEST NUMBER: P934578

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	5290.9	5290.9	5290.9	5290.9	5290.9
2.5°	5225.8	5250.8	5265.8	5285.8	5335.9
5°	5025.5	5120.7	5150.7	5225.8	5315.8
7.5°	4585.1	4875.4	4955.4	5135.7	5275.8
10°	4159.6	4449.9	4590.0	5015.6	5225.8
12.5°	3944.4	4114.6	4209.6	4805.3	5155.7
15°	3809.2	3929.3	3999.4	4525.0	5075.6
17.5°	3704.1	3789.2	3839.3	4249.7	4965.5
20°	3639.0	3679.1	3724.1	4049.5	4840.4
22.5°	3594.0	3568.9	3604.0	3909.3	4670.2
25°	3563.9	3468.8	3508.9	3799.2	4469.9
27.5°	3588.9	3378.7	3393.7	3699.1	4259.7
30°	3594.0	3268.6	3273.6	3594.0	4024.5
32.5°	3559.0	3153.5	3158.5	3463.8	3759.1
35°	3473.9	3018.3	3013.3	3313.7	3398.7
37.5°	3358.7	2873.2	2873.2	3148.5	3003.4
40°	3218.6	2728.0	2743.1	2933.3	2652.9
42.5°	3048.3	2572.9	2592.9	2647.9	2392.6
45°	2863.1	2422.7	2437.7	2237.4	2192.4
47.5°	2658.0	2267.5	2272.5	1857.0	2127.4
50°	2412.6	2107.3	2087.3	1591.8	2122.4
52.5°	2197.4	1932.2	1872.0	1441.6	1927.1
55°	1987.2	1746.9	1616.7	1326.5	1786.9
57.5°	1802.0	1506.7	1381.5	1191.3	1757.0
60°	1631.8	1271.4	1176.3	1046.1	1611.8
62.5°	1491.6	1096.2	1076.2	946.1	1461.6
65°	1341.5	976.0	971.1	861.0	1241.4
67.5°	1196.3	896.0	890.9	780.8	946.1
70°	1041.1	810.9	800.9	695.7	700.8
72.5°	881.0	715.8	705.8	625.7	580.7
75°	720.8	605.7	600.7	545.6	470.5
77.5°	565.7	480.6	490.5	440.4	345.4
80°	405.4	350.4	360.4	315.3	260.3
82.5°	270.3	230.2	240.3	200.3	175.2
85°	150.2	130.2	135.2	105.1	80.1
87.5°	70.1	60.0	60.0	40.0	25.0
90°	26.8	17.1	15.9	10.9	6.1
92.5°	165.4	117.6	107.3	65.8	24.4
95°	407.0	229.2	210.3	134.4	58.6
97.5°	548.3	251.8	235.1	168.1	101.2
100°	599.7	270.7	255.5	194.8	134.1
102.5°	623.3	289.6	275.4	218.8	162.2
105°	640.7	317.6	305.6	257.6	209.7
107.5°	644.1	359.1	348.0	303.2	258.5
110°	639.1	382.3	372.2	331.8	291.5



TEST NUMBER: P934578

CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	639.3	410.3	400.6	362.2	323.7
115°	645.2	452.4	443.5	408.0	372.5
117.5°	657.2	493.2	485.1	452.9	420.6
120°	666.9	517.0	509.4	479.1	448.7
122.5°	681.0	545.1	537.4	506.8	476.1
125°	700.0	581.0	574.0	546.1	518.2
127.5°	718.8	615.8	608.8	580.6	552.4
130°	732.6	638.9	631.3	601.1	570.7
132.5°	743.8	657.9	650.3	619.9	589.5
135°	756.0	679.7	672.8	645.2	617.6
137.5°	774.3	707.8	701.0	673.6	646.2
140°	785.4	726.7	720.4	695.2	670.0
142.5°	794.8	740.8	735.0	711.6	688.3
145°	807.0	762.1	757.0	736.6	716.3
147.5°	824.9	788.9	784.0	764.2	744.4
150°	834.3	802.9	798.5	780.5	762.7
152.5°	840.4	812.1	808.7	795.1	781.6
155°	853.8	832.2	829.7	819.7	809.6
157.5°	867.2	852.3	849.8	840.2	830.4
160°	873.3	861.5	859.6	852.0	844.4
162.5°	879.8	871.2	869.8	864.1	858.4
165°	889.1	885.2	883.9	878.8	873.7
167.5°	896.4	893.1	892.5	890.1	887.7
170°	902.5	902.3	901.7	899.2	896.9
172.5°	902.9	902.9	902.8	902.2	901.7
175°	906.5	908.4	908.4	908.4	908.4
177.5°	907.0	908.4	908.4	908.4	908.4
180°	908.4	908.4	908.4	908.4	908.4



TEST NUMBER: P934578
 CATALOG NUMBER: SQ4-FA-050U-125D-B2750-1D-UNV-STD-W-12-3000K

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	16.19	17.27	16.95	18.05	19.01	19.04	20.12	19.81	20.90	21.86
	3H	16.68	17.65	17.46	18.44	19.43	20.41	21.37	21.19	22.17	23.16
	4H	16.88	17.79	17.68	18.60	19.60	20.87	21.78	21.66	22.58	23.58
	6H	17.01	17.85	17.82	18.67	19.68	21.17	22.01	21.98	22.82	23.83
	8H	17.02	17.82	17.84	18.65	19.66	21.25	22.05	22.07	22.89	23.90
	12H	17.00	17.76	17.82	18.59	19.63	21.30	22.06	22.13	22.89	23.93
4H	2H	17.25	18.16	18.05	18.97	19.96	19.48	20.39	20.28	21.19	22.19
	3H	18.30	19.06	19.11	19.90	20.91	21.01	21.77	21.82	22.61	23.62
	4H	18.59	19.28	19.41	20.11	21.15	21.55	22.24	22.37	23.08	24.12
	6H	18.72	19.32	19.57	20.18	21.23	21.93	22.53	22.77	23.39	24.44
	8H	18.73	19.29	19.58	20.15	21.21	22.05	22.60	22.89	23.46	24.52
	12H	18.71	19.21	19.58	20.09	21.15	22.12	22.62	22.98	23.50	24.56
8H	4H	19.06	19.62	19.91	20.47	21.53	21.69	22.25	22.54	23.10	24.16
	6H	19.33	19.79	20.20	20.69	21.75	22.14	22.60	23.02	23.50	24.56
	8H	19.37	19.78	20.26	20.68	21.75	22.30	22.71	23.18	23.60	24.68
	12H	19.37	19.73	20.26	20.62	21.74	22.41	22.77	23.30	23.66	24.79
12H	4H	19.08	19.58	19.94	20.46	21.52	21.66	22.17	22.53	23.04	24.11
	6H	19.39	19.80	20.28	20.70	21.77	22.14	22.55	23.02	23.44	24.52
	8H	19.47	19.83	20.36	20.72	21.85	22.31	22.68	23.20	23.56	24.69