

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: P934264

Luminaire Tested: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-6-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934264
REPORT IS A COMBINATION OF REPORTS P933691 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-6-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

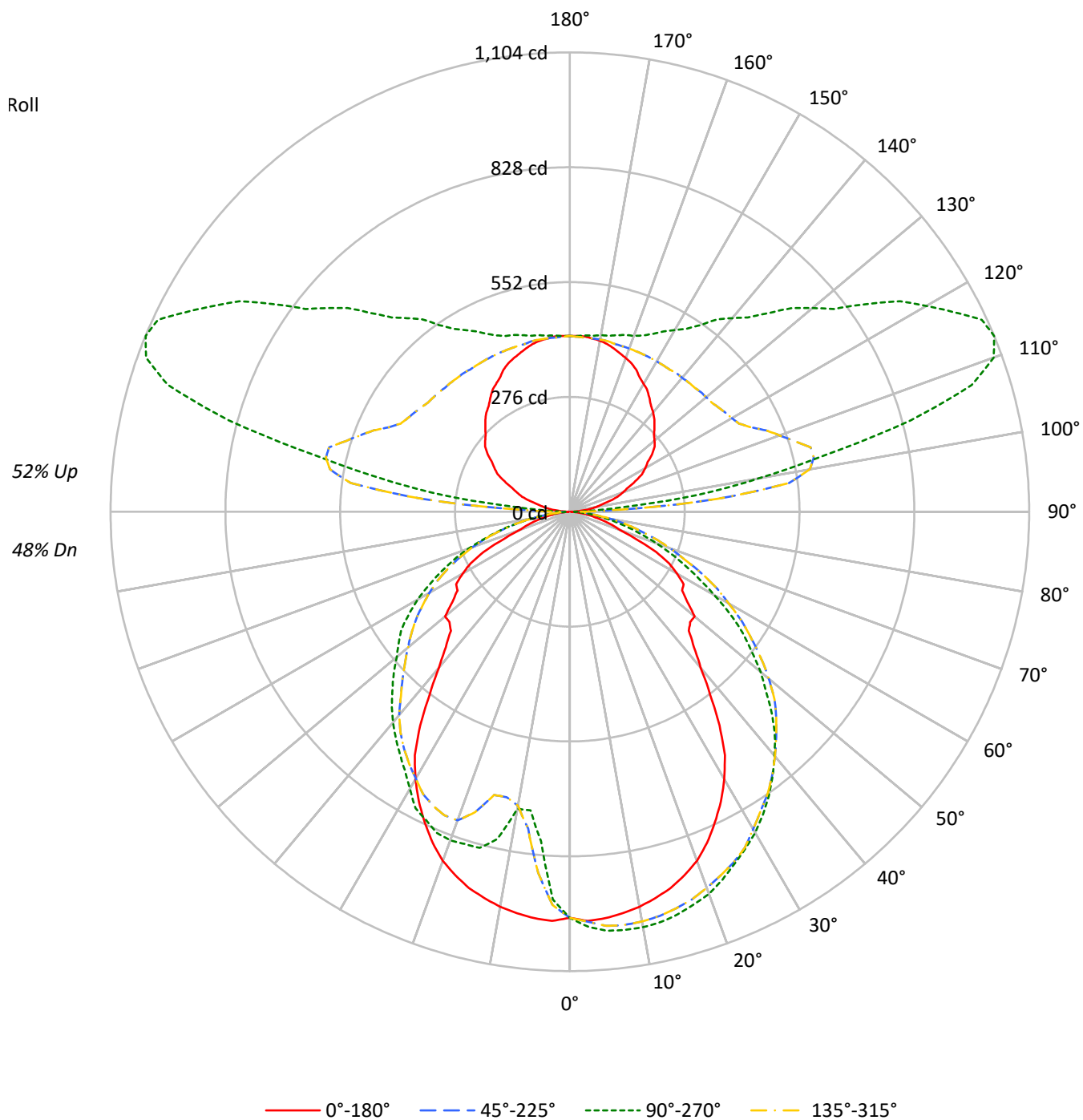
Lumens per Lamp: N/A
Luminaire Lumens: 5272.2 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 42.6
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: P934264

CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-6-5000K

Luminous Intensity Polar Plot



TEST NUMBER: P934264

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54
1	97	93	89	86	89	86	83	80	72	70	68	60	58	56	48	47	46
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33
4	74	63	55	49	68	58	52	46	50	44	40	41	37	34	33	31	28
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22
7	58	45	38	32	53	42	35	30	36	30	26	30	26	23	25	22	19
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16
10	47	34	27	22	43	32	26	21	28	22	19	23	19	16	20	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6036	6036	6036	6036
5°	6079	6093	6079	4791
10°	6036	6003	6036	4291
15°	5968	5873	5968	4904
20°	5841	5718	5841	4914
25°	5584	5494	5584	4809
30°	5251	5307	5251	4581
35°	4680	5071	4680	4330
40°	3897	4794	3897	4140
45°	3479	4468	3479	3921
50°	3693	4080	3693	3702
55°	3471	3662	3471	3576
60°	3574	3111	3574	3275
65°	3236	2572	3236	2875
70°	2235	2049	2235	2409
75°	1953	1514	1953	1813
80°	1562	1002	1562	1091
85°	882	530	882	451

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 5337 cd/sqm

TEST NUMBER: P934264

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.1	1.7
10°-20°	250.1	4.7
20°-30°	386.6	7.3
30°-40°	461.5	8.8
40°-50°	464.2	8.8
50°-60°	403.9	7.7
60°-70°	286.4	5.4
70°-80°	151.5	2.9
80°-90°	39.3	0.7
90°-100°	206.1	3.9
100°-110°	541.8	10.3
110°-120°	561.8	10.7
120°-130°	450.6	8.5
130°-140°	353.5	6.7
140°-150°	271.4	5.1
150°-160°	195.4	3.7
160°-170°	119.6	2.3
170°-180°	40.4	0.8
0°-30°	724.8	13.7
0°-40°	1186.3	22.5
0°-60°	2054.4	39.0
0°-90°	2531.7	48.0
90°-120°	1309.6	24.8
90°-150°	2385.1	45.2
90°-180°	2740.0	52.0
0°-180°	5272.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	976	976	976	976	976	
5°	980	1011	980	795	980	93
15°	936	1002	936	836	936	263
25°	824	934	824	818	824	379
35°	627	834	627	712	627	388
45°	404	687	404	603	404	324
55°	330	507	330	495	330	303
65°	229	306	229	342	229	219
75°	87	145	87	174	87	91
85°	15	37	15	31	15	20
90°	3	11	3	11	3	3
95°	27	124	27	124	27	30
105°	98	848	98	848	98	103
115°	173	1092	173	1092	173	171
125°	241	870	241	870	241	214
135°	287	675	287	675	287	222
145°	333	548	333	548	333	209
155°	377	472	377	472	377	173
165°	406	439	406	439	406	115
175°	423	426	423	426	423	40
180°	423	423	423	423	423	

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CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8
2.5°	984.1	984.1	989.6	991.5	991.5	988.7	986.0	988.7	997.1	999.8	998.9
5°	980.4	987.8	998.0	999.8	1001.7	1000.7	998.9	1000.7	1009.9	1011.9	1012.8
7.5°	973.0	986.9	999.8	1002.6	1005.3	1002.6	1001.7	1003.5	1012.8	1014.6	1014.6
10°	963.8	983.2	998.0	999.8	1002.6	999.8	999.8	1003.5	1012.8	1014.6	1015.5
12.5°	950.9	977.6	991.5	993.3	997.1	996.2	995.1	998.9	1008.1	1009.9	1009.9
15°	936.1	967.5	980.4	982.3	988.7	986.9	986.9	990.6	1000.7	1003.5	1002.6
17.5°	915.8	954.6	969.4	972.1	976.7	975.8	976.7	980.4	989.6	991.5	992.4
20°	892.7	937.1	954.6	957.3	961.9	961.9	961.9	966.6	975.8	979.5	979.5
22.5°	861.3	918.5	937.1	938.9	944.4	944.4	946.2	952.8	961.0	961.9	961.9
25°	824.4	898.2	913.9	919.5	925.0	927.8	930.5	934.3	937.1	936.1	937.1
27.5°	785.6	872.4	892.7	896.4	903.8	906.6	910.3	911.2	912.1	914.9	913.0
30°	742.2	836.4	866.9	870.5	882.5	884.4	880.7	882.5	887.1	889.1	890.9
32.5°	693.3	782.9	840.1	848.4	859.5	853.9	853.0	855.8	863.2	863.2	865.0
35°	626.9	741.3	815.2	822.5	830.9	824.4	828.1	829.0	833.6	836.4	835.5
37.5°	553.9	705.3	789.3	794.8	801.3	793.0	798.6	801.3	805.0	803.2	803.2
40°	489.3	649.0	758.8	762.5	768.1	761.6	767.2	769.0	770.9	769.0	768.1
42.5°	441.3	587.1	726.5	731.1	727.5	732.0	734.0	737.6	734.9	731.1	731.1
45°	404.3	570.5	691.5	697.0	691.5	698.8	701.6	701.6	693.3	691.5	690.6
47.5°	392.3	537.3	656.4	656.4	653.6	662.9	667.4	661.0	652.7	649.9	649.9
50°	391.4	500.3	608.3	604.7	617.6	628.7	624.0	617.6	611.2	601.0	601.0
52.5°	355.4	455.1	546.5	560.3	580.7	587.1	579.8	573.3	562.2	557.6	553.9
55°	329.5	408.0	490.2	517.9	539.1	547.4	533.6	527.1	510.5	507.8	505.9
57.5°	324.0	339.7	438.5	473.6	499.4	498.5	490.2	478.2	464.4	461.6	460.7
60°	297.2	245.6	383.1	424.7	451.4	448.7	441.3	430.2	417.3	415.4	413.6
62.5°	269.5	178.2	320.4	367.4	405.3	404.3	397.9	381.3	372.0	367.4	363.8
65°	229.0	149.6	228.0	305.6	360.0	361.8	348.1	336.1	325.9	320.4	319.4
67.5°	174.5	121.9	154.2	254.8	316.7	314.8	297.2	291.7	278.8	276.0	270.5
70°	129.2	81.2	107.1	206.8	274.2	269.5	255.8	249.2	237.2	230.8	227.1
72.5°	107.1	65.5	78.5	160.6	230.8	225.3	213.3	205.8	195.7	190.1	186.5
75°	86.8	69.2	60.0	119.1	187.4	183.7	172.6	165.3	156.9	149.6	150.5
77.5°	63.7	64.6	48.0	87.7	148.7	143.1	136.6	127.4	123.7	116.4	116.4
80°	48.0	50.7	36.0	60.0	107.1	107.1	101.6	95.1	88.6	85.0	85.0
82.5°	32.3	32.3	26.8	37.8	73.0	70.2	66.4	64.6	60.9	59.1	59.1
85°	14.8	18.4	16.6	23.0	39.7	41.6	41.6	39.7	38.8	36.9	37.8
87.5°	4.6	8.4	10.2	12.9	20.3	21.2	22.1	22.1	22.1	23.0	23.0
90°	2.8	5.1	7.4	8.0	12.5	18.5	21.6	19.2	14.3	10.7	10.7
92.5°	11.4	30.7	49.9	54.8	77.0	106.6	121.4	106.4	76.4	53.9	51.8
95°	27.3	62.5	97.8	106.6	189.4	299.8	355.0	316.8	240.3	183.0	176.5
97.5°	47.1	78.3	109.4	117.2	255.2	439.2	531.2	507.0	458.7	422.4	410.0
100°	62.4	90.7	118.9	126.0	279.1	483.3	585.3	587.0	590.6	593.3	578.6
102.5°	75.4	101.9	128.2	134.8	290.1	497.1	600.6	631.4	693.0	739.1	726.5
105°	97.6	119.9	142.2	147.8	298.2	498.7	598.9	667.9	805.8	909.3	902.6
107.5°	120.3	141.1	161.9	167.1	299.7	476.5	564.8	661.0	853.5	997.8	999.5
110°	135.6	154.4	173.2	177.8	297.4	456.8	536.5	644.0	859.2	1020.6	1027.6

TEST NUMBER: P934264

CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	150.7	168.6	186.5	191.0	297.5	439.7	510.7	620.8	841.0	1006.1	1016.9
115°	173.4	189.9	206.4	210.5	300.3	419.9	479.8	585.9	797.9	957.0	972.0
117.5°	195.7	210.8	225.8	229.5	305.9	407.6	458.5	554.2	745.6	889.2	905.9
120°	208.8	222.9	237.0	240.6	310.4	403.4	449.9	537.4	712.3	843.5	859.7
122.5°	221.6	235.8	250.1	253.7	316.9	401.2	443.4	522.2	679.7	797.8	813.8
125°	241.2	254.1	267.1	270.4	325.7	399.5	436.4	503.3	637.1	737.4	752.1
127.5°	257.0	270.2	283.3	286.6	334.5	398.5	430.4	487.8	602.7	688.8	701.2
130°	265.6	279.7	293.8	297.3	340.9	399.0	428.1	479.2	581.5	658.3	669.7
132.5°	274.4	288.5	302.7	306.1	346.2	399.5	426.2	472.0	563.5	632.1	642.4
135°	287.4	300.3	313.1	316.3	351.8	399.1	422.8	461.1	537.8	595.2	604.1
137.5°	300.7	313.5	326.1	329.4	360.3	401.5	422.1	454.5	519.3	568.0	575.2
140°	311.8	323.6	335.2	338.2	365.5	402.0	420.2	448.2	504.2	546.1	552.9
142.5°	320.3	331.1	341.9	344.7	369.8	403.4	420.2	444.8	493.9	530.8	536.7
145°	333.4	342.9	352.3	354.7	375.6	403.4	417.4	437.5	477.7	507.9	512.3
147.5°	346.4	355.6	364.9	367.2	383.9	406.2	417.4	433.2	464.8	488.6	492.3
150°	355.0	363.3	371.6	373.7	388.3	407.6	417.4	430.8	457.5	477.5	480.4
152.5°	363.7	370.0	376.3	377.9	391.0	408.6	417.4	428.7	451.6	468.7	470.9
155°	376.8	381.5	386.1	387.3	397.3	410.7	417.4	426.5	444.6	458.2	459.7
157.5°	386.4	390.9	395.5	396.6	403.5	412.8	417.4	424.4	438.6	449.1	450.1
160°	393.0	396.4	399.9	400.8	406.4	413.7	417.4	423.4	435.5	444.6	445.2
162.5°	399.5	402.1	404.8	405.4	409.4	414.7	417.4	422.5	432.7	440.3	440.9
165°	406.5	408.9	411.3	412.0	413.8	416.2	417.4	421.0	428.3	433.8	434.4
167.5°	413.1	414.2	415.3	415.6	417.2	419.2	420.2	422.6	427.4	430.9	431.2
170°	417.4	418.5	419.7	419.9	420.0	420.1	420.2	422.6	427.4	430.9	430.9
172.5°	419.7	419.9	420.1	420.2	420.2	420.2	420.2	422.0	425.8	428.7	428.5
175°	422.8	422.8	422.8	422.8	422.0	420.8	420.2	421.4	423.8	425.5	425.5
177.5°	422.8	422.8	422.8	422.8	422.1	421.2	420.8	421.7	423.6	425.0	424.7
180°	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.8

TEST NUMBER: P934264

CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8
2.5°	1000.7	998.0	1000.7	998.9	999.8	997.1	988.7	986.0	988.7	991.5	991.5
5°	1012.8	1010.8	1012.8	1012.8	1011.9	1009.9	1000.7	998.9	1000.7	1001.7	999.8
7.5°	1016.4	1013.7	1016.4	1014.6	1014.6	1012.8	1003.5	1001.7	1002.6	1005.3	1002.6
10°	1016.4	1013.7	1016.4	1015.5	1014.6	1012.8	1003.5	999.8	999.8	1002.6	999.8
12.5°	1011.9	1009.9	1011.9	1009.9	1009.9	1008.1	998.9	995.1	996.2	997.1	993.3
15°	1004.4	1001.7	1004.4	1002.6	1003.5	1000.7	990.6	986.9	986.9	988.7	982.3
17.5°	993.3	989.6	993.3	992.4	991.5	989.6	980.4	976.7	975.8	976.7	972.1
20°	980.4	977.6	980.4	979.5	979.5	975.8	966.6	961.9	961.9	961.9	957.3
22.5°	960.1	957.3	960.1	961.9	961.9	961.0	952.8	946.2	944.4	944.4	938.9
25°	937.1	934.3	937.1	937.1	936.1	937.1	934.3	930.5	927.8	925.0	919.5
27.5°	914.9	913.0	914.9	913.0	914.9	912.1	911.2	910.3	906.6	903.8	896.4
30°	892.7	890.9	892.7	890.9	889.1	887.1	882.5	880.7	884.4	882.5	870.5
32.5°	865.0	863.2	865.0	865.0	863.2	863.2	855.8	853.0	853.9	859.5	848.4
35°	836.4	833.6	836.4	835.5	836.4	833.6	829.0	828.1	824.4	830.9	822.5
37.5°	803.2	800.4	803.2	803.2	803.2	805.0	801.3	798.6	793.0	801.3	794.8
40°	769.0	765.4	769.0	768.1	769.0	770.9	769.0	767.2	761.6	768.1	762.5
42.5°	730.2	729.3	730.2	731.1	731.1	734.9	737.6	734.0	732.0	727.5	731.1
45°	688.7	686.8	688.7	690.6	691.5	693.3	701.6	701.6	698.8	691.5	697.0
47.5°	644.4	639.7	644.4	649.9	649.9	652.7	661.0	667.4	662.9	653.6	656.4
50°	597.3	598.2	597.3	601.0	601.0	611.2	617.6	624.0	628.7	617.6	604.7
52.5°	551.2	550.2	551.2	553.9	557.6	562.2	573.3	579.8	587.1	580.7	560.3
55°	505.0	506.8	505.0	505.9	507.8	510.5	527.1	533.6	547.4	539.1	517.9
57.5°	458.8	456.1	458.8	460.7	461.6	464.4	478.2	490.2	498.5	499.4	473.6
60°	405.3	401.6	405.3	413.6	415.4	417.3	430.2	441.3	448.7	451.4	424.7
62.5°	358.2	351.8	358.2	363.8	367.4	372.0	381.3	397.9	404.3	405.3	367.4
65°	308.3	305.6	308.3	319.4	320.4	325.9	336.1	348.1	361.8	360.0	305.6
67.5°	263.1	263.1	263.1	270.5	276.0	278.8	291.7	297.2	314.8	316.7	254.8
70°	221.5	220.6	221.5	227.1	230.8	237.2	249.2	255.8	269.5	274.2	206.8
72.5°	181.9	181.0	181.9	186.5	190.1	195.7	205.8	213.3	225.3	230.8	160.6
75°	146.8	144.9	146.8	150.5	149.6	156.9	165.3	172.6	183.7	187.4	119.1
77.5°	112.6	112.6	112.6	116.4	116.4	123.7	127.4	136.6	143.1	148.7	87.7
80°	84.0	83.1	84.0	85.0	85.0	88.6	95.1	101.6	107.1	107.1	60.0
82.5°	59.1	57.3	59.1	59.1	59.1	60.9	64.6	66.4	70.2	73.0	37.8
85°	36.9	36.9	36.9	37.8	36.9	38.8	39.7	41.6	41.6	39.7	23.0
87.5°	24.0	23.0	24.0	23.0	23.0	22.1	22.1	22.1	21.2	20.3	12.9
90°	10.7	10.7	10.7	10.7	10.7	14.3	19.2	21.6	18.5	12.5	8.0
92.5°	43.1	34.6	43.1	51.8	53.9	76.4	106.4	121.4	106.6	77.0	54.8
95°	150.5	124.5	150.5	176.5	183.0	240.3	316.8	355.0	299.8	189.4	106.6
97.5°	360.7	311.3	360.7	410.0	422.4	458.7	507.0	531.2	439.2	255.2	117.2
100°	519.7	460.8	519.7	578.6	593.3	590.6	587.0	585.3	483.3	279.1	126.0
102.5°	676.1	625.6	676.1	726.5	739.1	693.0	631.4	600.6	497.1	290.1	134.8
105°	875.5	848.3	875.5	902.6	909.3	805.8	667.9	598.9	498.7	298.2	147.8
107.5°	1006.0	1012.6	1006.0	999.5	997.8	853.5	661.0	564.8	476.5	299.7	167.1
110°	1055.8	1084.1	1055.8	1027.6	1020.6	859.2	644.0	536.5	456.8	297.4	177.8

TEST NUMBER: P934264

CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1060.3	1103.6	1060.3	1016.9	1006.1	841.0	620.8	510.7	439.7	297.5	191.0
115°	1032.1	1092.3	1032.1	972.0	957.0	797.9	585.9	479.8	419.9	300.3	210.5
117.5°	972.6	1039.3	972.6	905.9	889.2	745.6	554.2	458.5	407.6	305.9	229.5
120°	924.5	989.4	924.5	859.7	843.5	712.3	537.4	449.9	403.4	310.4	240.6
122.5°	877.8	941.6	877.8	813.8	797.8	679.7	522.2	443.4	401.2	316.9	253.7
125°	811.0	869.9	811.0	752.1	737.4	637.1	503.3	436.4	399.5	325.7	270.4
127.5°	750.9	800.7	750.9	701.2	688.8	602.7	487.8	430.4	398.5	334.5	286.6
130°	715.6	761.5	715.6	669.7	658.3	581.5	479.2	428.1	399.0	340.9	297.3
132.5°	683.5	724.6	683.5	642.4	632.1	563.5	472.0	426.2	399.5	346.2	306.1
135°	639.5	675.0	639.5	604.1	595.2	537.8	461.1	422.8	399.1	351.8	316.3
137.5°	604.3	633.3	604.3	575.2	568.0	519.3	454.5	422.1	401.5	360.3	329.4
140°	580.0	607.1	580.0	552.9	546.1	504.2	448.2	420.2	402.0	365.5	338.2
142.5°	560.0	583.3	560.0	536.7	530.8	493.9	444.8	420.2	403.4	369.8	344.7
145°	530.0	547.6	530.0	512.3	507.9	477.7	437.5	417.4	403.4	375.6	354.7
147.5°	506.8	521.4	506.8	492.3	488.6	464.8	433.2	417.4	406.2	383.9	367.2
150°	492.3	504.2	492.3	480.4	477.5	457.5	430.8	417.4	407.6	388.3	373.7
152.5°	479.9	488.9	479.9	470.9	468.7	451.6	428.7	417.4	408.6	391.0	377.9
155°	465.6	471.5	465.6	459.7	458.2	444.6	426.5	417.4	410.7	397.3	387.3
157.5°	454.4	458.5	454.4	450.1	449.1	438.6	424.4	417.4	412.8	403.5	396.6
160°	447.6	449.9	447.6	445.2	444.6	435.5	423.4	417.4	413.7	406.4	400.8
162.5°	443.2	445.4	443.2	440.9	440.3	432.7	422.5	417.4	414.7	409.4	405.4
165°	436.8	439.2	436.8	434.4	433.8	428.3	421.0	417.4	416.2	413.8	412.0
167.5°	432.2	433.2	432.2	431.2	430.9	427.4	422.6	420.2	419.2	417.2	415.6
170°	430.9	430.9	430.9	430.9	430.9	427.4	422.6	420.2	420.1	420.0	419.9
172.5°	427.6	426.7	427.6	428.5	428.7	425.8	422.0	420.2	420.2	420.2	420.2
175°	425.5	425.5	425.5	425.5	425.5	423.8	421.4	420.2	420.8	422.0	422.8
177.5°	423.8	422.8	423.8	424.7	425.0	423.6	421.7	420.8	421.2	422.1	422.8
180°	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.8

TEST NUMBER: P934264

CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8
2.5°	989.6	984.1	984.1	974.9	971.2	968.4	963.8	950.0	946.2	942.6	948.1
5°	998.0	987.8	980.4	963.8	950.0	944.4	926.9	893.7	871.4	854.8	845.7
7.5°	999.8	986.9	973.0	947.2	913.9	899.2	845.7	784.7	768.1	753.3	744.1
10°	998.0	983.2	963.8	925.0	846.6	820.7	767.2	727.5	717.3	714.5	717.3
12.5°	991.5	977.6	950.9	886.2	776.4	758.8	727.5	704.4	702.5	707.2	732.0
15°	980.4	967.5	936.1	834.6	737.6	724.7	702.5	694.2	704.4	736.7	811.5
17.5°	969.4	954.6	915.8	783.8	708.1	698.8	683.1	699.7	757.0	800.4	825.3
20°	954.6	937.1	892.7	746.8	686.8	678.5	671.1	745.9	789.3	805.0	818.9
22.5°	937.1	918.5	861.3	721.0	664.7	658.3	662.9	771.8	789.3	800.4	812.4
25°	913.9	898.2	824.4	700.7	647.2	639.7	657.3	769.0	779.1	782.0	805.9
27.5°	892.7	872.4	785.6	682.2	626.0	623.1	661.9	757.0	764.4	767.2	793.0
30°	866.9	836.4	742.2	662.9	603.8	602.8	662.9	742.2	740.4	747.7	773.6
32.5°	840.1	782.9	693.3	638.8	582.6	581.6	656.4	720.1	718.3	728.4	747.7
35°	815.2	741.3	626.9	611.2	555.8	556.7	640.6	694.2	695.2	704.4	716.4
37.5°	789.3	705.3	553.9	580.7	529.9	529.9	619.4	670.2	668.4	671.1	687.8
40°	758.8	649.0	489.3	541.0	505.9	503.2	593.6	644.4	637.9	637.0	660.1
42.5°	726.5	587.1	441.3	488.4	478.2	474.5	562.2	613.0	601.0	603.8	633.3
45°	691.5	570.5	404.3	412.7	449.6	446.8	528.0	577.0	568.7	576.0	606.5
47.5°	656.4	537.3	392.3	342.5	419.1	418.2	490.2	541.9	537.3	544.7	577.0
50°	608.3	500.3	391.4	293.6	385.0	388.6	445.0	507.8	507.8	514.2	548.4
52.5°	546.5	455.1	355.4	265.9	345.2	356.3	405.3	478.2	480.0	486.6	516.9
55°	490.2	408.0	329.5	244.7	298.2	322.2	366.5	447.7	451.4	457.9	485.6
57.5°	438.5	339.7	324.0	219.7	254.8	277.9	332.4	418.2	420.0	425.6	452.3
60°	383.1	245.6	297.2	192.9	216.9	234.5	300.9	383.1	389.6	393.2	416.4
62.5°	320.4	178.2	269.5	174.5	198.5	202.2	275.1	349.9	358.2	360.9	374.8
65°	228.0	149.6	229.0	158.8	179.1	180.1	247.4	315.7	323.1	327.7	337.9
67.5°	154.2	121.9	174.5	144.0	164.4	165.3	220.6	276.0	286.2	289.9	296.3
70°	107.1	81.2	129.2	128.3	147.7	149.6	192.0	240.1	249.2	252.0	255.8
72.5°	78.5	65.5	107.1	115.4	130.1	132.1	162.5	199.4	208.7	211.4	213.3
75°	60.0	69.2	86.8	100.7	110.8	111.7	133.0	162.5	168.9	170.8	171.7
77.5°	48.0	64.6	63.7	81.2	90.5	88.6	104.3	125.5	131.0	131.0	131.0
80°	36.0	50.7	48.0	58.2	66.4	64.6	74.8	89.6	91.4	93.2	92.3
82.5°	26.8	32.3	32.3	36.9	44.3	42.5	49.8	58.2	58.2	58.2	60.0
85°	16.6	18.4	14.8	19.4	25.0	24.0	27.7	31.4	32.3	32.3	30.5
87.5°	10.2	8.4	4.6	7.3	11.1	11.1	12.9	13.9	12.9	12.9	12.9
90°	7.4	5.1	2.8	5.1	7.4	8.0	12.5	18.5	21.6	19.2	14.3
92.5°	49.9	30.7	11.4	30.7	49.9	54.8	77.0	106.6	121.4	106.4	76.4
95°	97.8	62.5	27.3	62.5	97.8	106.6	189.4	299.8	355.0	316.8	240.3
97.5°	109.4	78.3	47.1	78.3	109.4	117.2	255.2	439.2	531.2	507.0	458.7
100°	118.9	90.7	62.4	90.7	118.9	126.0	279.1	483.3	585.3	587.0	590.6
102.5°	128.2	101.9	75.4	101.9	128.2	134.8	290.1	497.1	600.6	631.4	693.0
105°	142.2	119.9	97.6	119.9	142.2	147.8	298.2	498.7	598.9	667.9	805.8
107.5°	161.9	141.1	120.3	141.1	161.9	167.1	299.7	476.5	564.8	661.0	853.5
110°	173.2	154.4	135.6	154.4	173.2	177.8	297.4	456.8	536.5	644.0	859.2

TEST NUMBER: P934264

CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	186.5	168.6	150.7	168.6	186.5	191.0	297.5	439.7	510.7	620.8	841.0
115°	206.4	189.9	173.4	189.9	206.4	210.5	300.3	419.9	479.8	585.9	797.9
117.5°	225.8	210.8	195.7	210.8	225.8	229.5	305.9	407.6	458.5	554.2	745.6
120°	237.0	222.9	208.8	222.9	237.0	240.6	310.4	403.4	449.9	537.4	712.3
122.5°	250.1	235.8	221.6	235.8	250.1	253.7	316.9	401.2	443.4	522.2	679.7
125°	267.1	254.1	241.2	254.1	267.1	270.4	325.7	399.5	436.4	503.3	637.1
127.5°	283.3	270.2	257.0	270.2	283.3	286.6	334.5	398.5	430.4	487.8	602.7
130°	293.8	279.7	265.6	279.7	293.8	297.3	340.9	399.0	428.1	479.2	581.5
132.5°	302.7	288.5	274.4	288.5	302.7	306.1	346.2	399.5	426.2	472.0	563.5
135°	313.1	300.3	287.4	300.3	313.1	316.3	351.8	399.1	422.8	461.1	537.8
137.5°	326.1	313.5	300.7	313.5	326.1	329.4	360.3	401.5	422.1	454.5	519.3
140°	335.2	323.6	311.8	323.6	335.2	338.2	365.5	402.0	420.2	448.2	504.2
142.5°	341.9	331.1	320.3	331.1	341.9	344.7	369.8	403.4	420.2	444.8	493.9
145°	352.3	342.9	333.4	342.9	352.3	354.7	375.6	403.4	417.4	437.5	477.7
147.5°	364.9	355.6	346.4	355.6	364.9	367.2	383.9	406.2	417.4	433.2	464.8
150°	371.6	363.3	355.0	363.3	371.6	373.7	388.3	407.6	417.4	430.8	457.5
152.5°	376.3	370.0	363.7	370.0	376.3	377.9	391.0	408.6	417.4	428.7	451.6
155°	386.1	381.5	376.8	381.5	386.1	387.3	397.3	410.7	417.4	426.5	444.6
157.5°	395.5	390.9	386.4	390.9	395.5	396.6	403.5	412.8	417.4	424.4	438.6
160°	399.9	396.4	393.0	396.4	399.9	400.8	406.4	413.7	417.4	423.4	435.5
162.5°	404.8	402.1	399.5	402.1	404.8	405.4	409.4	414.7	417.4	422.5	432.7
165°	411.3	408.9	406.5	408.9	411.3	412.0	413.8	416.2	417.4	421.0	428.3
167.5°	415.3	414.2	413.1	414.2	415.3	415.6	417.2	419.2	420.2	422.6	427.4
170°	419.7	418.5	417.4	418.5	419.7	419.9	420.0	420.1	420.2	422.6	427.4
172.5°	420.1	419.9	419.7	419.9	420.1	420.2	420.2	420.2	420.2	422.0	425.8
175°	422.8	422.8	422.8	422.8	422.8	422.8	422.0	420.8	420.2	421.4	423.8
177.5°	422.8	422.8	422.8	422.8	422.8	422.8	422.1	421.2	420.8	421.7	423.6
180°	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.8

TEST NUMBER: P934264

CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8	975.8
2.5°	941.6	938.9	942.6	932.4	942.6	938.9	941.6	948.1	942.6	946.2	950.0
5°	826.3	821.6	806.8	794.8	806.8	821.6	826.3	845.7	854.8	871.4	893.7
7.5°	738.6	734.9	731.1	723.8	731.1	734.9	738.6	744.1	753.3	768.1	784.7
10°	719.2	720.1	725.6	724.7	725.6	720.1	719.2	717.3	714.5	717.3	727.5
12.5°	769.0	777.3	807.8	805.9	807.8	777.3	769.0	732.0	707.2	702.5	704.4
15°	826.3	829.0	835.5	836.4	835.5	829.0	826.3	811.5	736.7	704.4	694.2
17.5°	831.8	832.7	837.3	837.3	837.3	832.7	831.8	825.3	800.4	757.0	699.7
20°	827.2	829.0	838.2	840.1	838.2	829.0	827.2	818.9	805.0	789.3	745.9
22.5°	825.3	829.0	836.4	835.5	836.4	829.0	825.3	812.4	800.4	789.3	771.8
25°	816.1	816.1	817.0	817.9	817.0	816.1	816.1	805.9	782.0	779.1	769.0
27.5°	796.7	798.6	804.1	803.2	804.1	798.6	796.7	793.0	767.2	764.4	757.0
30°	779.1	777.3	772.7	769.0	772.7	777.3	779.1	773.6	747.7	740.4	742.2
32.5°	749.7	745.0	740.4	737.6	740.4	745.0	749.7	747.7	728.4	718.3	720.1
35°	714.5	715.4	714.5	711.8	714.5	715.4	714.5	716.4	704.4	695.2	694.2
37.5°	689.6	691.5	690.6	686.8	690.6	691.5	689.6	687.8	671.1	668.4	670.2
40°	663.8	664.7	663.8	661.0	663.8	664.7	663.8	660.1	637.0	637.9	644.4
42.5°	638.8	637.9	635.1	633.3	635.1	637.9	638.8	633.3	603.8	601.0	613.0
45°	610.3	611.2	605.6	602.8	605.6	611.2	610.3	606.5	576.0	568.7	577.0
47.5°	581.6	581.6	577.0	574.2	577.0	581.6	581.6	577.0	544.7	537.3	541.9
50°	551.2	550.2	543.7	542.8	543.7	550.2	551.2	548.4	514.2	507.8	507.8
52.5°	516.0	516.0	516.9	518.9	516.9	516.0	516.0	516.9	486.6	480.0	478.2
55°	485.6	486.6	493.0	494.8	493.0	486.6	485.6	485.6	457.9	451.4	447.7
57.5°	454.2	454.2	458.8	458.8	458.8	454.2	454.2	452.3	425.6	420.0	418.2
60°	418.2	420.0	423.7	422.8	423.7	420.0	418.2	416.4	393.2	389.6	383.1
62.5°	380.4	382.2	383.1	381.3	383.1	382.2	380.4	374.8	360.9	358.2	349.9
65°	340.6	342.5	343.4	341.6	343.4	342.5	340.6	337.9	327.7	323.1	315.7
67.5°	300.0	299.1	298.2	301.9	298.2	299.1	300.0	296.3	289.9	286.2	276.0
70°	258.5	258.5	257.6	259.4	257.6	258.5	258.5	255.8	252.0	249.2	240.1
72.5°	214.2	213.3	216.9	214.2	216.9	213.3	214.2	213.3	211.4	208.7	199.4
75°	170.8	172.6	170.8	173.5	170.8	172.6	170.8	171.7	170.8	168.9	162.5
77.5°	130.1	132.1	130.1	130.1	130.1	132.1	130.1	131.0	131.0	131.0	125.5
80°	92.3	91.4	91.4	90.5	91.4	91.4	92.3	92.3	93.2	91.4	89.6
82.5°	59.1	58.2	58.2	60.0	58.2	58.2	59.1	60.0	58.2	58.2	58.2
85°	32.3	33.2	31.4	31.4	31.4	33.2	32.3	30.5	32.3	32.3	31.4
87.5°	12.0	11.1	11.1	11.1	11.1	11.1	12.0	12.9	12.9	12.9	13.9
90°	10.7	10.7	10.7	10.7	10.7	10.7	10.7	14.3	19.2	21.6	18.5
92.5°	53.9	51.8	43.1	34.6	43.1	51.8	53.9	76.4	106.4	121.4	106.6
95°	183.0	176.5	150.5	124.5	150.5	176.5	183.0	240.3	316.8	355.0	299.8
97.5°	422.4	410.0	360.7	311.3	360.7	410.0	422.4	458.7	507.0	531.2	439.2
100°	593.3	578.6	519.7	460.8	519.7	578.6	593.3	590.6	587.0	585.3	483.3
102.5°	739.1	726.5	676.1	625.6	676.1	726.5	739.1	693.0	631.4	600.6	497.1
105°	909.3	902.6	875.5	848.3	875.5	902.6	909.3	805.8	667.9	598.9	498.7
107.5°	997.8	999.5	1006.0	1012.6	1006.0	999.5	997.8	853.5	661.0	564.8	476.5
110°	1020.6	1027.6	1055.8	1084.1	1055.8	1027.6	1020.6	859.2	644.0	536.5	456.8

TEST NUMBER: P934264

CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1006.1	1016.9	1060.3	1103.6	1060.3	1016.9	1006.1	841.0	620.8	510.7	439.7
115°	957.0	972.0	1032.1	1092.3	1032.1	972.0	957.0	797.9	585.9	479.8	419.9
117.5°	889.2	905.9	972.6	1039.3	972.6	905.9	889.2	745.6	554.2	458.5	407.6
120°	843.5	859.7	924.5	989.4	924.5	859.7	843.5	712.3	537.4	449.9	403.4
122.5°	797.8	813.8	877.8	941.6	877.8	813.8	797.8	679.7	522.2	443.4	401.2
125°	737.4	752.1	811.0	869.9	811.0	752.1	737.4	637.1	503.3	436.4	399.5
127.5°	688.8	701.2	750.9	800.7	750.9	701.2	688.8	602.7	487.8	430.4	398.5
130°	658.3	669.7	715.6	761.5	715.6	669.7	658.3	581.5	479.2	428.1	399.0
132.5°	632.1	642.4	683.5	724.6	683.5	642.4	632.1	563.5	472.0	426.2	399.5
135°	595.2	604.1	639.5	675.0	639.5	604.1	595.2	537.8	461.1	422.8	399.1
137.5°	568.0	575.2	604.3	633.3	604.3	575.2	568.0	519.3	454.5	422.1	401.5
140°	546.1	552.9	580.0	607.1	580.0	552.9	546.1	504.2	448.2	420.2	402.0
142.5°	530.8	536.7	560.0	583.3	560.0	536.7	530.8	493.9	444.8	420.2	403.4
145°	507.9	512.3	530.0	547.6	530.0	512.3	507.9	477.7	437.5	417.4	403.4
147.5°	488.6	492.3	506.8	521.4	506.8	492.3	488.6	464.8	433.2	417.4	406.2
150°	477.5	480.4	492.3	504.2	492.3	480.4	477.5	457.5	430.8	417.4	407.6
152.5°	468.7	470.9	479.9	488.9	479.9	470.9	468.7	451.6	428.7	417.4	408.6
155°	458.2	459.7	465.6	471.5	465.6	459.7	458.2	444.6	426.5	417.4	410.7
157.5°	449.1	450.1	454.4	458.5	454.4	450.1	449.1	438.6	424.4	417.4	412.8
160°	444.6	445.2	447.6	449.9	447.6	445.2	444.6	435.5	423.4	417.4	413.7
162.5°	440.3	440.9	443.2	445.4	443.2	440.9	440.3	432.7	422.5	417.4	414.7
165°	433.8	434.4	436.8	439.2	436.8	434.4	433.8	428.3	421.0	417.4	416.2
167.5°	430.9	431.2	432.2	433.2	432.2	431.2	430.9	427.4	422.6	420.2	419.2
170°	430.9	430.9	430.9	430.9	430.9	430.9	430.9	427.4	422.6	420.2	420.1
172.5°	428.7	428.5	427.6	426.7	427.6	428.5	428.7	425.8	422.0	420.2	420.2
175°	425.5	425.5	425.5	425.5	425.5	425.5	425.5	423.8	421.4	420.2	420.8
177.5°	425.0	424.7	423.8	422.8	423.8	424.7	425.0	423.6	421.7	420.8	421.2
180°	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.8

TEST NUMBER: P934264

CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	975.8	975.8	975.8	975.8	975.8
2.5°	963.8	968.4	971.2	974.9	984.1
5°	926.9	944.4	950.0	963.8	980.4
7.5°	845.7	899.2	913.9	947.2	973.0
10°	767.2	820.7	846.6	925.0	963.8
12.5°	727.5	758.8	776.4	886.2	950.9
15°	702.5	724.7	737.6	834.6	936.1
17.5°	683.1	698.8	708.1	783.8	915.8
20°	671.1	678.5	686.8	746.8	892.7
22.5°	662.9	658.3	664.7	721.0	861.3
25°	657.3	639.7	647.2	700.7	824.4
27.5°	661.9	623.1	626.0	682.2	785.6
30°	662.9	602.8	603.8	662.9	742.2
32.5°	656.4	581.6	582.6	638.8	693.3
35°	640.6	556.7	555.8	611.2	626.9
37.5°	619.4	529.9	529.9	580.7	553.9
40°	593.6	503.2	505.9	541.0	489.3
42.5°	562.2	474.5	478.2	488.4	441.3
45°	528.0	446.8	449.6	412.7	404.3
47.5°	490.2	418.2	419.1	342.5	392.3
50°	445.0	388.6	385.0	293.6	391.4
52.5°	405.3	356.3	345.2	265.9	355.4
55°	366.5	322.2	298.2	244.7	329.5
57.5°	332.4	277.9	254.8	219.7	324.0
60°	300.9	234.5	216.9	192.9	297.2
62.5°	275.1	202.2	198.5	174.5	269.5
65°	247.4	180.1	179.1	158.8	229.0
67.5°	220.6	165.3	164.4	144.0	174.5
70°	192.0	149.6	147.7	128.3	129.2
72.5°	162.5	132.1	130.1	115.4	107.1
75°	133.0	111.7	110.8	100.7	86.8
77.5°	104.3	88.6	90.5	81.2	63.7
80°	74.8	64.6	66.4	58.2	48.0
82.5°	49.8	42.5	44.3	36.9	32.3
85°	27.7	24.0	25.0	19.4	14.8
87.5°	12.9	11.1	11.1	7.3	4.6
90°	12.5	8.0	7.4	5.1	2.8
92.5°	77.0	54.8	49.9	30.7	11.4
95°	189.4	106.6	97.8	62.5	27.3
97.5°	255.2	117.2	109.4	78.3	47.1
100°	279.1	126.0	118.9	90.7	62.4
102.5°	290.1	134.8	128.2	101.9	75.4
105°	298.2	147.8	142.2	119.9	97.6
107.5°	299.7	167.1	161.9	141.1	120.3
110°	297.4	177.8	173.2	154.4	135.6



TEST NUMBER: P934264

CATALOG NUMBER: SQ4-FA-050U-050D-93050-1D-UNV-STD-W-6-5000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	297.5	191.0	186.5	168.6	150.7
115°	300.3	210.5	206.4	189.9	173.4
117.5°	305.9	229.5	225.8	210.8	195.7
120°	310.4	240.6	237.0	222.9	208.8
122.5°	316.9	253.7	250.1	235.8	221.6
125°	325.7	270.4	267.1	254.1	241.2
127.5°	334.5	286.6	283.3	270.2	257.0
130°	340.9	297.3	293.8	279.7	265.6
132.5°	346.2	306.1	302.7	288.5	274.4
135°	351.8	316.3	313.1	300.3	287.4
137.5°	360.3	329.4	326.1	313.5	300.7
140°	365.5	338.2	335.2	323.6	311.8
142.5°	369.8	344.7	341.9	331.1	320.3
145°	375.6	354.7	352.3	342.9	333.4
147.5°	383.9	367.2	364.9	355.6	346.4
150°	388.3	373.7	371.6	363.3	355.0
152.5°	391.0	377.9	376.3	370.0	363.7
155°	397.3	387.3	386.1	381.5	376.8
157.5°	403.5	396.6	395.5	390.9	386.4
160°	406.4	400.8	399.9	396.4	393.0
162.5°	409.4	405.4	404.8	402.1	399.5
165°	413.8	412.0	411.3	408.9	406.5
167.5°	417.2	415.6	415.3	414.2	413.1
170°	420.0	419.9	419.7	418.5	417.4
172.5°	420.2	420.2	420.1	419.9	419.7
175°	422.0	422.8	422.8	422.8	422.8
177.5°	422.1	422.8	422.8	422.8	422.8
180°	422.8	422.8	422.8	422.8	422.8

TEST NUMBER: P934264

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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	10.86	11.71	11.84	12.69	13.99	13.69	14.53	14.66	15.52	16.82
	3H	11.34	12.09	12.32	13.09	14.41	15.03	15.79	16.01	16.78	18.10
	4H	11.53	12.24	12.53	13.24	14.57	15.47	16.19	16.47	17.19	18.52
	6H	11.65	12.31	12.66	13.31	14.65	15.75	16.41	16.76	17.42	18.76
	8H	11.65	12.27	12.66	13.30	14.63	15.83	16.45	16.84	17.48	18.81
	12H	11.62	12.21	12.64	13.23	14.59	15.86	16.46	16.88	17.48	18.84
4H	2H	11.89	12.61	12.90	13.61	14.94	14.09	14.81	15.10	15.81	17.14
	3H	12.92	13.51	13.93	14.54	15.89	15.60	16.19	16.61	17.22	18.57
	4H	13.19	13.74	14.21	14.76	16.13	16.12	16.67	17.14	17.69	19.06
	6H	13.32	13.79	14.35	14.83	16.19	16.49	16.96	17.52	18.00	19.36
	8H	13.32	13.76	14.36	14.80	16.18	16.59	17.03	17.62	18.07	19.44
	12H	13.29	13.68	14.34	14.74	16.12	16.65	17.04	17.70	18.10	19.48
8H	4H	13.64	14.08	14.68	15.12	16.50	16.25	16.68	17.28	17.72	19.10
	6H	13.90	14.27	14.96	15.35	16.72	16.68	17.04	17.74	18.12	19.50
	8H	13.95	14.27	15.01	15.33	16.72	16.83	17.15	17.90	18.21	19.61
	12H	13.93	14.21	15.00	15.27	16.71	16.93	17.21	18.00	18.27	19.70
12H	4H	13.65	14.04	14.70	15.10	16.48	16.21	16.61	17.26	17.66	19.04
	6H	13.97	14.28	15.03	15.35	16.74	16.68	17.00	17.74	18.06	19.45
	8H	14.03	14.31	15.10	15.37	16.81	16.84	17.12	17.91	18.18	19.61

END OF REPORT