

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: P934690

Luminaire Tested: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-6-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934690
REPORT IS A COMBINATION OF REPORTS P933707 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-6-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

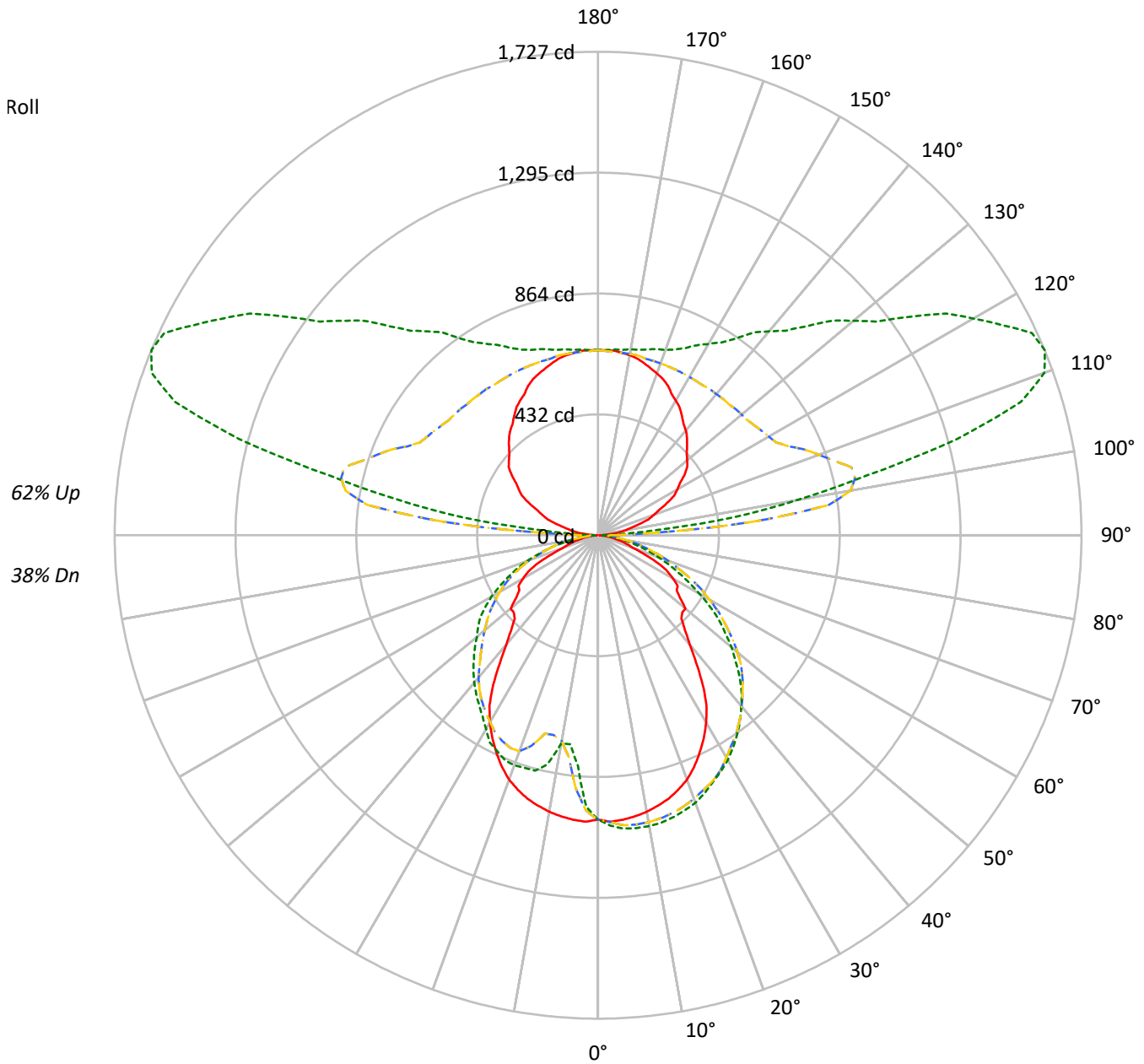
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6924.7 lumens
Efficiency: N/A
Efficacy: 134.2 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: Semi-Indirect

Input Watts (W): 51.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-6-4000K

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				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	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38				38
1	95	91	87	84	86	83	79	77	67	65	63	53	52	50	40	39	38	32				32
2	87	79	73	68	78	72	67	63	59	55	52	47	44	42	35	34	32	27				27
3	79	70	63	57	71	64	57	52	52	47	44	41	38	35	31	29	27	23				23
4	72	62	54	48	65	56	50	44	46	41	37	37	33	30	28	25	24	20				20
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17				17
6	61	49	41	35	55	45	38	33	37	32	28	30	26	23	23	20	18	15				15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	21	18	16	13				13
8	52	40	32	27	47	37	30	25	30	25	22	24	21	18	19	16	14	12				12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	11				11
10	45	33	26	22	41	31	24	20	26	21	17	21	17	14	16	14	12	10				10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6282	6282	6282	6282
5°	6326	6341	6326	4986
10°	6281	6247	6281	4466
15°	6211	6111	6211	5103
20°	6079	5951	6079	5113
25°	5811	5717	5811	5005
30°	5465	5523	5465	4768
35°	4870	5277	4870	4506
40°	4055	4989	4055	4308
45°	3621	4649	3621	4081
50°	3843	4247	3843	3853
55°	3612	3811	3612	3721
60°	3719	3237	3719	3408
65°	3368	2676	3368	2992
70°	2326	2132	2326	2508
75°	2032	1576	2032	1888
80°	1624	1041	1624	1135
85°	918	552	918	470

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5554 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.7	1.3
10°-20°	260.3	3.8
20°-30°	402.3	5.8
30°-40°	480.3	6.9
40°-50°	483.1	7.0
50°-60°	420.3	6.1
60°-70°	298.0	4.3
70°-80°	157.7	2.3
80°-90°	41.8	0.6
90°-100°	322.5	4.7
100°-110°	847.9	12.2
110°-120°	879.2	12.7
120°-130°	705.2	10.2
130°-140°	553.4	8.0
140°-150°	424.7	6.1
150°-160°	305.9	4.4
160°-170°	187.1	2.7
170°-180°	63.2	0.9
0°-30°	754.2	10.9
0°-40°	1234.5	17.8
0°-60°	2137.9	30.9
0°-90°	2635.5	38.1
90°-120°	2049.7	29.6
90°-150°	3733.0	53.9
90°-180°	4289.0	61.9
0°-180°	6924.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1016	1016	1016	1016	1016	
5°	1020	1052	1020	827	1020	97
15°	974	1042	974	870	974	274
25°	858	972	858	851	858	394
35°	652	868	652	741	652	404
45°	421	715	421	627	421	337
55°	343	527	343	515	343	315
65°	238	318	238	356	238	228
75°	90	151	90	181	90	95
85°	15	38	15	33	15	21
90°	4	17	4	17	4	4
95°	43	195	43	195	43	47
105°	153	1328	153	1328	153	162
115°	271	1710	271	1710	271	268
125°	377	1362	377	1362	377	335
135°	450	1056	450	1056	450	348
145°	522	857	522	857	522	327
155°	590	738	590	738	590	271
165°	636	687	636	687	636	180
175°	662	666	662	666	662	63
180°	662	662	662	662	662	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5
2.5°	1024.1	1024.1	1029.9	1031.8	1031.8	1028.9	1026.1	1028.9	1037.6	1040.5	1039.5
5°	1020.2	1028.0	1038.6	1040.5	1042.4	1041.4	1039.5	1041.4	1051.0	1053.0	1053.9
7.5°	1012.6	1027.0	1040.5	1043.3	1046.2	1043.3	1042.4	1044.3	1053.9	1055.8	1055.8
10°	1002.9	1023.2	1038.6	1040.5	1043.3	1040.5	1040.5	1044.3	1053.9	1055.8	1056.8
12.5°	989.6	1017.4	1031.8	1033.7	1037.6	1036.7	1035.6	1039.5	1049.1	1051.0	1051.0
15°	974.2	1006.9	1020.2	1022.2	1028.9	1027.0	1027.0	1030.8	1041.4	1044.3	1043.3
17.5°	953.0	993.4	1008.8	1011.6	1016.4	1015.5	1016.4	1020.2	1029.9	1031.8	1032.7
20°	929.0	975.2	993.4	996.3	1001.0	1001.0	1001.0	1005.9	1015.5	1019.3	1019.3
22.5°	896.4	955.9	975.2	977.1	982.8	982.8	984.7	991.5	1000.1	1001.0	1001.0
25°	857.9	934.8	951.1	956.9	962.6	965.5	968.4	972.3	975.2	974.2	975.2
27.5°	817.6	907.8	929.0	932.8	940.6	943.4	947.3	948.2	949.2	952.0	950.1
30°	772.4	870.4	902.1	905.9	918.4	920.3	916.5	918.4	923.2	925.2	927.1
32.5°	721.5	814.7	874.2	882.9	894.5	888.6	887.7	890.5	898.3	898.3	900.2
35°	652.4	771.4	848.3	856.0	864.7	857.9	861.8	862.7	867.5	870.4	869.4
37.5°	576.4	734.0	821.4	827.1	833.9	825.2	831.0	833.9	837.7	835.8	835.8
40°	509.2	675.4	789.7	793.5	799.3	792.6	798.4	800.3	802.2	800.3	799.3
42.5°	459.3	611.0	756.1	760.8	757.0	761.8	763.8	767.6	764.8	760.8	760.8
45°	420.8	593.7	719.6	725.3	719.6	727.2	730.1	730.1	721.5	719.6	718.6
47.5°	408.3	559.2	683.1	683.1	680.2	689.8	694.6	687.9	679.2	676.3	676.3
50°	407.3	520.7	633.1	629.2	642.7	654.3	649.4	642.7	636.0	625.4	625.4
52.5°	369.9	473.6	568.7	583.1	604.3	611.0	603.4	596.6	585.0	580.3	576.4
55°	342.9	424.6	510.2	539.0	561.1	569.7	555.3	548.6	531.3	528.4	526.5
57.5°	337.2	353.5	456.3	492.9	519.7	518.8	510.2	497.7	483.2	480.4	479.4
60°	309.3	255.6	398.7	442.0	469.8	466.9	459.3	447.7	434.2	432.3	430.4
62.5°	280.5	185.5	333.4	382.4	421.7	420.8	414.1	396.8	387.2	382.4	378.6
65°	238.3	155.7	237.3	318.0	374.6	376.6	362.2	349.7	339.1	333.4	332.4
67.5°	181.5	126.8	160.4	265.2	329.6	327.6	309.3	303.6	290.1	287.3	281.5
70°	134.5	84.5	111.4	215.2	285.4	280.5	266.2	259.4	246.9	240.2	236.4
72.5°	111.4	68.2	81.7	167.1	240.2	234.5	221.9	214.2	203.7	197.9	194.1
75°	90.3	72.0	62.5	124.0	195.0	191.2	179.6	172.0	163.3	155.7	156.6
77.5°	66.3	67.2	49.9	91.3	154.7	148.9	142.2	132.6	128.7	121.1	121.1
80°	49.9	52.8	37.4	62.5	111.4	111.4	105.7	98.9	92.3	88.4	88.4
82.5°	33.6	33.6	27.9	39.3	75.9	73.1	69.1	67.2	63.4	61.5	61.5
85°	15.4	19.2	17.3	24.0	41.4	43.3	43.3	41.4	40.4	38.4	39.3
87.5°	4.8	8.7	10.6	13.5	21.1	22.1	23.0	23.0	23.0	24.0	24.0
90°	4.4	7.9	11.6	12.4	19.5	28.9	33.7	30.0	22.5	16.9	16.9
92.5°	17.8	47.9	78.1	85.7	120.4	166.8	190.0	166.6	119.6	84.3	81.0
95°	42.6	97.9	153.1	166.9	296.4	469.2	555.5	495.7	376.1	286.4	276.3
97.5°	73.7	122.4	171.1	183.4	399.4	687.3	831.3	793.5	718.0	661.2	641.9
100°	97.7	141.9	186.1	197.2	436.8	756.4	916.1	918.9	924.4	928.5	905.5
102.5°	118.1	159.4	200.6	211.0	454.0	778.0	940.1	988.2	1084.6	1156.8	1137.0
105°	152.8	187.8	222.7	231.4	466.7	780.5	937.4	1045.3	1261.3	1423.2	1412.6
107.5°	188.3	220.9	253.5	261.6	469.1	745.8	884.1	1034.7	1335.9	1561.8	1564.4
110°	212.3	241.7	271.0	278.4	465.5	715.0	839.7	1008.1	1344.8	1597.3	1608.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	235.8	263.8	291.8	298.8	465.7	688.1	799.3	971.6	1316.2	1574.6	1591.6
115°	271.3	297.2	323.0	329.5	470.0	657.2	750.9	916.9	1248.9	1497.8	1521.3
117.5°	306.4	329.9	353.3	359.3	478.7	637.9	717.6	867.4	1167.0	1391.7	1417.8
120°	326.8	349.0	371.0	376.6	485.8	631.4	704.3	841.2	1114.9	1320.2	1345.6
122.5°	346.9	369.1	391.5	397.0	496.0	628.1	694.1	817.3	1063.8	1248.7	1273.7
125°	377.4	397.8	418.1	423.2	509.8	625.2	683.0	787.7	997.1	1154.1	1177.1
127.5°	402.3	422.9	443.3	448.5	523.5	623.6	673.7	763.5	943.3	1078.2	1097.7
130°	415.6	437.8	459.8	465.4	533.7	624.7	670.1	750.2	910.2	1030.3	1048.2
132.5°	429.4	451.5	473.6	479.1	541.8	625.2	667.0	738.6	881.9	989.4	1005.4
135°	449.8	470.0	490.1	495.2	550.7	624.7	661.6	721.6	841.6	931.6	945.4
137.5°	470.7	490.6	510.5	515.5	563.9	628.5	660.8	711.5	812.9	889.0	900.4
140°	488.0	506.3	524.8	529.4	572.1	629.2	657.6	701.4	789.1	854.8	865.4
142.5°	501.4	518.4	535.4	539.6	578.9	631.4	657.6	696.1	773.1	830.8	840.0
145°	521.8	536.6	551.3	555.0	587.8	631.4	653.2	684.7	747.7	794.8	801.7
147.5°	542.2	556.6	571.0	574.6	600.8	635.7	653.2	678.0	727.5	764.7	770.4
150°	555.5	568.5	581.6	584.8	607.7	638.0	653.2	674.1	716.0	747.4	752.1
152.5°	569.3	579.2	589.0	591.5	612.1	639.5	653.2	671.1	706.8	733.6	737.2
155°	589.7	597.0	604.3	606.1	621.8	642.7	653.2	667.4	695.9	717.2	719.5
157.5°	604.8	612.0	619.0	620.8	631.6	646.1	653.2	664.3	686.4	703.0	704.6
160°	615.0	620.6	626.1	627.4	636.0	647.5	653.2	662.7	681.6	695.8	696.8
162.5°	625.2	629.4	633.5	634.6	640.8	649.1	653.2	661.2	677.2	689.2	690.1
165°	636.3	640.1	643.9	644.8	647.6	651.3	653.2	658.9	670.4	679.0	680.0
167.5°	646.5	648.3	650.1	650.5	652.9	656.1	657.6	661.3	668.9	674.5	674.9
170°	653.2	655.0	656.8	657.2	657.3	657.5	657.6	661.3	668.9	674.5	674.5
172.5°	656.8	657.1	657.5	657.6	657.6	657.6	657.6	660.6	666.5	671.0	670.6
175°	661.6	661.6	661.6	661.6	660.3	658.5	657.6	659.5	663.2	666.1	666.1
177.5°	661.6	661.6	661.6	661.6	660.6	659.2	658.6	660.1	663.1	665.3	664.9
180°	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5
2.5°	1041.4	1038.6	1041.4	1039.5	1040.5	1037.6	1028.9	1026.1	1028.9	1031.8	1031.8
5°	1053.9	1051.9	1053.9	1053.9	1053.0	1051.0	1041.4	1039.5	1041.4	1042.4	1040.5
7.5°	1057.8	1054.9	1057.8	1055.8	1055.8	1053.9	1044.3	1042.4	1043.3	1046.2	1043.3
10°	1057.8	1054.9	1057.8	1056.8	1055.8	1053.9	1044.3	1040.5	1040.5	1043.3	1040.5
12.5°	1053.0	1051.0	1053.0	1051.0	1051.0	1049.1	1039.5	1035.6	1036.7	1037.6	1033.7
15°	1045.2	1042.4	1045.2	1043.3	1044.3	1041.4	1030.8	1027.0	1027.0	1028.9	1022.2
17.5°	1033.7	1029.9	1033.7	1032.7	1031.8	1029.9	1020.2	1016.4	1015.5	1016.4	1011.6
20°	1020.2	1017.4	1020.2	1019.3	1019.3	1015.5	1005.9	1001.0	1001.0	1001.0	996.3
22.5°	999.1	996.3	999.1	1001.0	1001.0	1000.1	991.5	984.7	982.8	982.8	977.1
25°	975.2	972.3	975.2	975.2	974.2	975.2	972.3	968.4	965.5	962.6	956.9
27.5°	952.0	950.1	952.0	950.1	952.0	949.2	948.2	947.3	943.4	940.6	932.8
30°	929.0	927.1	929.0	927.1	925.2	923.2	918.4	916.5	920.3	918.4	905.9
32.5°	900.2	898.3	900.2	900.2	898.3	898.3	890.5	887.7	888.6	894.5	882.9
35°	870.4	867.5	870.4	869.4	870.4	867.5	862.7	861.8	857.9	864.7	856.0
37.5°	835.8	833.0	835.8	835.8	835.8	837.7	833.9	831.0	825.2	833.9	827.1
40°	800.3	796.5	800.3	799.3	800.3	802.2	800.3	798.4	792.6	799.3	793.5
42.5°	759.9	758.9	759.9	760.8	760.8	764.8	767.6	763.8	761.8	757.0	760.8
45°	716.7	714.7	716.7	718.6	719.6	721.5	730.1	730.1	727.2	719.6	725.3
47.5°	670.6	665.7	670.6	676.3	676.3	679.2	687.9	694.6	689.8	680.2	683.1
50°	621.6	622.6	621.6	625.4	625.4	636.0	642.7	649.4	654.3	642.7	629.2
52.5°	573.6	572.6	573.6	576.4	580.3	585.0	596.6	603.4	611.0	604.3	583.1
55°	525.5	527.4	525.5	526.5	528.4	531.3	548.6	555.3	569.7	561.1	539.0
57.5°	477.5	474.6	477.5	479.4	480.4	483.2	497.7	510.2	518.8	519.7	492.9
60°	421.7	417.9	421.7	430.4	432.3	434.2	447.7	459.3	466.9	469.8	442.0
62.5°	372.7	366.1	372.7	378.6	382.4	387.2	396.8	414.1	420.8	421.7	382.4
65°	320.9	318.0	320.9	332.4	333.4	339.1	349.7	362.2	376.6	374.6	318.0
67.5°	273.8	273.8	273.8	281.5	287.3	290.1	303.6	309.3	327.6	329.6	265.2
70°	230.5	229.6	230.5	236.4	240.2	246.9	259.4	266.2	280.5	285.4	215.2
72.5°	189.3	188.3	189.3	194.1	197.9	203.7	214.2	221.9	234.5	240.2	167.1
75°	152.8	150.8	152.8	156.6	155.7	163.3	172.0	179.6	191.2	195.0	124.0
77.5°	117.2	117.2	117.2	121.1	121.1	128.7	132.6	142.2	148.9	154.7	91.3
80°	87.4	86.4	87.4	88.4	88.4	92.3	98.9	105.7	111.4	111.4	62.5
82.5°	61.5	59.6	61.5	61.5	61.5	63.4	67.2	69.1	73.1	75.9	39.3
85°	38.4	38.4	38.4	39.3	38.4	40.4	41.4	43.3	43.3	41.4	24.0
87.5°	25.0	24.0	25.0	24.0	24.0	23.0	23.0	23.0	22.1	21.1	13.5
90°	16.9	16.9	16.9	16.9	16.9	22.5	30.0	33.7	28.9	19.5	12.4
92.5°	67.5	54.1	67.5	81.0	84.3	119.6	166.6	190.0	166.8	120.4	85.7
95°	235.6	194.9	235.6	276.3	286.4	376.1	495.7	555.5	469.2	296.4	166.9
97.5°	564.5	487.1	564.5	641.9	661.2	718.0	793.5	831.3	687.3	399.4	183.4
100°	813.3	721.1	813.3	905.5	928.5	924.4	918.9	916.1	756.4	436.8	197.2
102.5°	1058.1	979.2	1058.1	1137.0	1156.8	1084.6	988.2	940.1	778.0	454.0	211.0
105°	1370.1	1327.7	1370.1	1412.6	1423.2	1261.3	1045.3	937.4	780.5	466.7	231.4
107.5°	1574.6	1584.8	1574.6	1564.4	1561.8	1335.9	1034.7	884.1	745.8	469.1	261.6
110°	1652.5	1696.7	1652.5	1608.4	1597.3	1344.8	1008.1	839.7	715.0	465.5	278.4



TEST NUMBER: P934690

CATALOG NUMBER: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1659.5	1727.4	1659.5	1591.6	1574.6	1316.2	971.6	799.3	688.1	465.7	298.8
115°	1615.5	1709.6	1615.5	1521.3	1497.8	1248.9	916.9	750.9	657.2	470.0	329.5
117.5°	1522.2	1626.6	1522.2	1417.8	1391.7	1167.0	867.4	717.6	637.9	478.7	359.3
120°	1447.0	1548.4	1447.0	1345.6	1320.2	1114.9	841.2	704.3	631.4	485.8	376.6
122.5°	1373.8	1473.9	1373.8	1273.7	1248.7	1063.8	817.3	694.1	628.1	496.0	397.0
125°	1269.4	1361.5	1269.4	1177.1	1154.1	997.1	787.7	683.0	625.2	509.8	423.2
127.5°	1175.4	1253.2	1175.4	1097.7	1078.2	943.3	763.5	673.7	623.6	523.5	448.5
130°	1120.0	1191.8	1120.0	1048.2	1030.3	910.2	750.2	670.1	624.7	533.7	465.4
132.5°	1069.8	1134.2	1069.8	1005.4	989.4	881.9	738.6	667.0	625.2	541.8	479.1
135°	1000.9	1056.4	1000.9	945.4	931.6	841.6	721.6	661.6	624.7	550.7	495.2
137.5°	945.7	991.2	945.7	900.4	889.0	812.9	711.5	660.8	628.5	563.9	515.5
140°	907.9	950.3	907.9	865.4	854.8	789.1	701.4	657.6	629.2	572.1	529.4
142.5°	876.5	913.0	876.5	840.0	830.8	773.1	696.1	657.6	631.4	578.9	539.6
145°	829.4	857.0	829.4	801.7	794.8	747.7	684.7	653.2	631.4	587.8	555.0
147.5°	793.2	816.1	793.2	770.4	764.7	727.5	678.0	653.2	635.7	600.8	574.6
150°	770.6	789.1	770.6	752.1	747.4	716.0	674.1	653.2	638.0	607.7	584.8
152.5°	751.1	765.1	751.1	737.2	733.6	706.8	671.1	653.2	639.5	612.1	591.5
155°	728.8	738.0	728.8	719.5	717.2	695.9	667.4	653.2	642.7	621.8	606.1
157.5°	711.1	717.6	711.1	704.6	703.0	686.4	664.3	653.2	646.1	631.6	620.8
160°	700.5	704.3	700.5	696.8	695.8	681.6	662.7	653.2	647.5	636.0	627.4
162.5°	693.6	697.2	693.6	690.1	689.2	677.2	661.2	653.2	649.1	640.8	634.6
165°	683.7	687.4	683.7	680.0	679.0	670.4	658.9	653.2	651.3	647.6	644.8
167.5°	676.5	678.0	676.5	674.9	674.5	668.9	661.3	657.6	656.1	652.9	650.5
170°	674.5	674.5	674.5	674.5	674.5	668.9	661.3	657.6	657.5	657.3	657.2
172.5°	669.3	667.8	669.3	670.6	671.0	666.5	660.6	657.6	657.6	657.6	657.6
175°	666.1	666.1	666.1	666.1	666.1	663.2	659.5	657.6	658.5	660.3	661.6
177.5°	663.2	661.6	663.2	664.9	665.3	663.1	660.1	658.6	659.2	660.6	661.6
180°	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6



TEST NUMBER: P934690

CATALOG NUMBER: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5
2.5°	1029.9	1024.1	1024.1	1014.5	1010.7	1007.8	1002.9	988.6	984.7	980.9	986.6
5°	1038.6	1028.0	1020.2	1002.9	988.6	982.8	964.6	930.0	906.9	889.6	880.0
7.5°	1040.5	1027.0	1012.6	985.7	951.1	935.7	880.0	816.6	799.3	784.0	774.3
10°	1038.6	1023.2	1002.9	962.6	881.0	854.1	798.4	757.0	746.4	743.6	746.4
12.5°	1031.8	1017.4	989.6	922.2	807.9	789.7	757.0	733.1	731.1	735.9	761.8
15°	1020.2	1006.9	974.2	868.5	767.6	754.2	731.1	722.5	733.1	766.7	844.5
17.5°	1008.8	993.4	953.0	815.7	736.9	727.2	710.9	728.2	787.8	833.0	858.8
20°	993.4	975.2	929.0	777.2	714.7	706.1	698.4	776.2	821.4	837.7	852.1
22.5°	975.2	955.9	896.4	750.3	691.7	685.0	689.8	803.2	821.4	833.0	845.5
25°	951.1	934.8	857.9	729.1	673.5	665.7	684.1	800.3	810.8	813.8	838.7
27.5°	929.0	907.8	817.6	709.9	651.4	648.4	688.8	787.8	795.5	798.4	825.2
30°	902.1	870.4	772.4	689.8	628.3	627.3	689.8	772.4	770.5	778.1	805.1
32.5°	874.2	814.7	721.5	664.8	606.2	605.3	683.1	749.4	747.5	758.0	778.1
35°	848.3	771.4	652.4	636.0	578.3	579.3	666.7	722.5	723.4	733.1	745.5
37.5°	821.4	734.0	576.4	604.3	551.4	551.4	644.6	697.4	695.5	698.4	715.8
40°	789.7	675.4	509.2	563.0	526.5	523.6	617.7	670.6	663.8	662.9	686.9
42.5°	756.1	611.0	459.3	508.3	497.7	493.8	585.0	637.9	625.4	628.3	659.0
45°	719.6	593.7	420.8	429.5	467.9	465.0	549.5	600.4	591.8	599.5	631.2
47.5°	683.1	559.2	408.3	356.4	436.1	435.2	510.2	563.9	559.2	566.8	600.4
50°	633.1	520.7	407.3	305.5	400.6	404.4	463.1	528.4	528.4	535.1	570.7
52.5°	568.7	473.6	369.9	276.7	359.3	370.8	421.7	497.7	499.6	506.3	538.0
55°	510.2	424.6	342.9	254.6	310.3	335.3	381.4	465.9	469.8	476.5	505.3
57.5°	456.3	353.5	337.2	228.6	265.2	289.2	345.9	435.2	437.1	442.9	470.7
60°	398.7	255.6	309.3	200.7	225.8	244.0	313.1	398.7	405.4	409.2	433.3
62.5°	333.4	185.5	280.5	181.5	206.6	210.4	286.3	364.1	372.7	375.6	390.0
65°	237.3	155.7	238.3	165.2	186.4	187.4	257.5	328.5	336.3	341.0	351.6
67.5°	160.4	126.8	181.5	149.8	171.0	172.0	229.6	287.3	297.9	301.7	308.4
70°	111.4	84.5	134.5	133.5	153.8	155.7	199.8	249.8	259.4	262.2	266.2
72.5°	81.7	68.2	111.4	120.0	135.4	137.4	169.1	207.5	217.2	220.0	221.9
75°	62.5	72.0	90.3	104.8	115.3	116.2	138.4	169.1	175.8	177.7	178.7
77.5°	49.9	67.2	66.3	84.5	94.2	92.3	108.6	130.6	136.4	136.4	136.4
80°	37.4	52.8	49.9	60.5	69.1	67.2	77.8	93.2	95.1	97.0	96.1
82.5°	27.9	33.6	33.6	38.4	46.1	44.2	51.9	60.5	60.5	60.5	62.5
85°	17.3	19.2	15.4	20.2	26.0	25.0	28.8	32.7	33.6	33.6	31.7
87.5°	10.6	8.7	4.8	7.6	11.6	11.6	13.5	14.4	13.5	13.5	13.5
90°	11.6	7.9	4.4	7.9	11.6	12.4	19.5	28.9	33.7	30.0	22.5
92.5°	78.1	47.9	17.8	47.9	78.1	85.7	120.4	166.8	190.0	166.6	119.6
95°	153.1	97.9	42.6	97.9	153.1	166.9	296.4	469.2	555.5	495.7	376.1
97.5°	171.1	122.4	73.7	122.4	171.1	183.4	399.4	687.3	831.3	793.5	718.0
100°	186.1	141.9	97.7	141.9	186.1	197.2	436.8	756.4	916.1	918.9	924.4
102.5°	200.6	159.4	118.1	159.4	200.6	211.0	454.0	778.0	940.1	988.2	1084.6
105°	222.7	187.8	152.8	187.8	222.7	231.4	466.7	780.5	937.4	1045.3	1261.3
107.5°	253.5	220.9	188.3	220.9	253.5	261.6	469.1	745.8	884.1	1034.7	1335.9
110°	271.0	241.7	212.3	241.7	271.0	278.4	465.5	715.0	839.7	1008.1	1344.8



TEST NUMBER: P934690

CATALOG NUMBER: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	291.8	263.8	235.8	263.8	291.8	298.8	465.7	688.1	799.3	971.6	1316.2
115°	323.0	297.2	271.3	297.2	323.0	329.5	470.0	657.2	750.9	916.9	1248.9
117.5°	353.3	329.9	306.4	329.9	353.3	359.3	478.7	637.9	717.6	867.4	1167.0
120°	371.0	349.0	326.8	349.0	371.0	376.6	485.8	631.4	704.3	841.2	1114.9
122.5°	391.5	369.1	346.9	369.1	391.5	397.0	496.0	628.1	694.1	817.3	1063.8
125°	418.1	397.8	377.4	397.8	418.1	423.2	509.8	625.2	683.0	787.7	997.1
127.5°	443.3	422.9	402.3	422.9	443.3	448.5	523.5	623.6	673.7	763.5	943.3
130°	459.8	437.8	415.6	437.8	459.8	465.4	533.7	624.7	670.1	750.2	910.2
132.5°	473.6	451.5	429.4	451.5	473.6	479.1	541.8	625.2	667.0	738.6	881.9
135°	490.1	470.0	449.8	470.0	490.1	495.2	550.7	624.7	661.6	721.6	841.6
137.5°	510.5	490.6	470.7	490.6	510.5	515.5	563.9	628.5	660.8	711.5	812.9
140°	524.8	506.3	488.0	506.3	524.8	529.4	572.1	629.2	657.6	701.4	789.1
142.5°	535.4	518.4	501.4	518.4	535.4	539.6	578.9	631.4	657.6	696.1	773.1
145°	551.3	536.6	521.8	536.6	551.3	555.0	587.8	631.4	653.2	684.7	747.7
147.5°	571.0	556.6	542.2	556.6	571.0	574.6	600.8	635.7	653.2	678.0	727.5
150°	581.6	568.5	555.5	568.5	581.6	584.8	607.7	638.0	653.2	674.1	716.0
152.5°	589.0	579.2	569.3	579.2	589.0	591.5	612.1	639.5	653.2	671.1	706.8
155°	604.3	597.0	589.7	597.0	604.3	606.1	621.8	642.7	653.2	667.4	695.9
157.5°	619.0	612.0	604.8	612.0	619.0	620.8	631.6	646.1	653.2	664.3	686.4
160°	626.1	620.6	615.0	620.6	626.1	627.4	636.0	647.5	653.2	662.7	681.6
162.5°	633.5	629.4	625.2	629.4	633.5	634.6	640.8	649.1	653.2	661.2	677.2
165°	643.9	640.1	636.3	640.1	643.9	644.8	647.6	651.3	653.2	658.9	670.4
167.5°	650.1	648.3	646.5	648.3	650.1	650.5	652.9	656.1	657.6	661.3	668.9
170°	656.8	655.0	653.2	655.0	656.8	657.2	657.3	657.5	657.6	661.3	668.9
172.5°	657.5	657.1	656.8	657.1	657.5	657.6	657.6	657.6	657.6	660.6	666.5
175°	661.6	661.6	661.6	661.6	661.6	661.6	660.3	658.5	657.6	659.5	663.2
177.5°	661.6	661.6	661.6	661.6	661.6	661.6	660.6	659.2	658.6	660.1	663.1
180°	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6



TEST NUMBER: P934690

CATALOG NUMBER: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5	1015.5
2.5°	979.9	977.1	980.9	970.3	980.9	977.1	979.9	986.6	980.9	984.7	988.6
5°	859.9	855.0	839.6	827.1	839.6	855.0	859.9	880.0	889.6	906.9	930.0
7.5°	768.6	764.8	760.8	753.2	760.8	764.8	768.6	774.3	784.0	799.3	816.6
10°	748.4	749.4	755.1	754.2	755.1	749.4	748.4	746.4	743.6	746.4	757.0
12.5°	800.3	808.9	840.6	838.7	840.6	808.9	800.3	761.8	735.9	731.1	733.1
15°	859.9	862.7	869.4	870.4	869.4	862.7	859.9	844.5	766.7	733.1	722.5
17.5°	865.6	866.6	871.3	871.3	871.3	866.6	865.6	858.8	833.0	787.8	728.2
20°	860.8	862.7	872.3	874.2	872.3	862.7	860.8	852.1	837.7	821.4	776.2
22.5°	858.8	862.7	870.4	869.4	870.4	862.7	858.8	845.5	833.0	821.4	803.2
25°	849.3	849.3	850.2	851.2	850.2	849.3	849.3	838.7	813.8	810.8	800.3
27.5°	829.1	831.0	836.8	835.8	836.8	831.0	829.1	825.2	798.4	795.5	787.8
30°	810.8	808.9	804.1	800.3	804.1	808.9	810.8	805.1	778.1	770.5	772.4
32.5°	780.1	775.3	770.5	767.6	770.5	775.3	780.1	778.1	758.0	747.5	749.4
35°	743.6	744.5	743.6	740.7	743.6	744.5	743.6	745.5	733.1	723.4	722.5
37.5°	717.7	719.6	718.6	714.7	718.6	719.6	717.7	715.8	698.4	695.5	697.4
40°	690.8	691.7	690.8	687.9	690.8	691.7	690.8	686.9	662.9	663.8	670.6
42.5°	664.8	663.8	661.0	659.0	661.0	663.8	664.8	659.0	628.3	625.4	637.9
45°	635.1	636.0	630.2	627.3	630.2	636.0	635.1	631.2	599.5	591.8	600.4
47.5°	605.3	605.3	600.4	597.5	600.4	605.3	605.3	600.4	566.8	559.2	563.9
50°	573.6	572.6	565.8	564.9	565.8	572.6	573.6	570.7	535.1	528.4	528.4
52.5°	537.0	537.0	538.0	540.0	538.0	537.0	537.0	538.0	506.3	499.6	497.7
55°	505.3	506.3	513.0	514.9	513.0	506.3	505.3	505.3	476.5	469.8	465.9
57.5°	472.6	472.6	477.5	477.5	477.5	472.6	472.6	470.7	442.9	437.1	435.2
60°	435.2	437.1	440.9	440.0	440.9	437.1	435.2	433.3	409.2	405.4	398.7
62.5°	395.8	397.8	398.7	396.8	398.7	397.8	395.8	390.0	375.6	372.7	364.1
65°	354.5	356.4	357.4	355.5	357.4	356.4	354.5	351.6	341.0	336.3	328.5
67.5°	312.2	311.2	310.3	314.2	310.3	311.2	312.2	308.4	301.7	297.9	287.3
70°	269.0	269.0	268.1	270.0	268.1	269.0	269.0	266.2	262.2	259.4	249.8
72.5°	222.9	221.9	225.8	222.9	225.8	221.9	222.9	221.9	220.0	217.2	207.5
75°	177.7	179.6	177.7	180.6	177.7	179.6	177.7	178.7	177.7	175.8	169.1
77.5°	135.4	137.4	135.4	135.4	135.4	137.4	135.4	136.4	136.4	136.4	130.6
80°	96.1	95.1	95.1	94.2	95.1	95.1	96.1	96.1	97.0	95.1	93.2
82.5°	61.5	60.5	60.5	62.5	60.5	60.5	61.5	62.5	60.5	60.5	60.5
85°	33.6	34.6	32.7	32.7	32.7	34.6	33.6	31.7	33.6	33.6	32.7
87.5°	12.5	11.6	11.6	11.6	11.6	11.6	12.5	13.5	13.5	13.5	14.4
90°	16.9	16.9	16.9	16.9	16.9	16.9	16.9	22.5	30.0	33.7	28.9
92.5°	84.3	81.0	67.5	54.1	67.5	81.0	84.3	119.6	166.6	190.0	166.8
95°	286.4	276.3	235.6	194.9	235.6	276.3	286.4	376.1	495.7	555.5	469.2
97.5°	661.2	641.9	564.5	487.1	564.5	641.9	661.2	718.0	793.5	831.3	687.3
100°	928.5	905.5	813.3	721.1	813.3	905.5	928.5	924.4	918.9	916.1	756.4
102.5°	1156.8	1137.0	1058.1	979.2	1058.1	1137.0	1156.8	1084.6	988.2	940.1	778.0
105°	1423.2	1412.6	1370.1	1327.7	1370.1	1412.6	1423.2	1261.3	1045.3	937.4	780.5
107.5°	1561.8	1564.4	1574.6	1584.8	1574.6	1564.4	1561.8	1335.9	1034.7	884.1	745.8
110°	1597.3	1608.4	1652.5	1696.7	1652.5	1608.4	1597.3	1344.8	1008.1	839.7	715.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1574.6	1591.6	1659.5	1727.4	1659.5	1591.6	1574.6	1316.2	971.6	799.3	688.1
115°	1497.8	1521.3	1615.5	1709.6	1615.5	1521.3	1497.8	1248.9	916.9	750.9	657.2
117.5°	1391.7	1417.8	1522.2	1626.6	1522.2	1417.8	1391.7	1167.0	867.4	717.6	637.9
120°	1320.2	1345.6	1447.0	1548.4	1447.0	1345.6	1320.2	1114.9	841.2	704.3	631.4
122.5°	1248.7	1273.7	1373.8	1473.9	1373.8	1273.7	1248.7	1063.8	817.3	694.1	628.1
125°	1154.1	1177.1	1269.4	1361.5	1269.4	1177.1	1154.1	997.1	787.7	683.0	625.2
127.5°	1078.2	1097.7	1175.4	1253.2	1175.4	1097.7	1078.2	943.3	763.5	673.7	623.6
130°	1030.3	1048.2	1120.0	1191.8	1120.0	1048.2	1030.3	910.2	750.2	670.1	624.7
132.5°	989.4	1005.4	1069.8	1134.2	1069.8	1005.4	989.4	881.9	738.6	667.0	625.2
135°	931.6	945.4	1000.9	1056.4	1000.9	945.4	931.6	841.6	721.6	661.6	624.7
137.5°	889.0	900.4	945.7	991.2	945.7	900.4	889.0	812.9	711.5	660.8	628.5
140°	854.8	865.4	907.9	950.3	907.9	865.4	854.8	789.1	701.4	657.6	629.2
142.5°	830.8	840.0	876.5	913.0	876.5	840.0	830.8	773.1	696.1	657.6	631.4
145°	794.8	801.7	829.4	857.0	829.4	801.7	794.8	747.7	684.7	653.2	631.4
147.5°	764.7	770.4	793.2	816.1	793.2	770.4	764.7	727.5	678.0	653.2	635.7
150°	747.4	752.1	770.6	789.1	770.6	752.1	747.4	716.0	674.1	653.2	638.0
152.5°	733.6	737.2	751.1	765.1	751.1	737.2	733.6	706.8	671.1	653.2	639.5
155°	717.2	719.5	728.8	738.0	728.8	719.5	717.2	695.9	667.4	653.2	642.7
157.5°	703.0	704.6	711.1	717.6	711.1	704.6	703.0	686.4	664.3	653.2	646.1
160°	695.8	696.8	700.5	704.3	700.5	696.8	695.8	681.6	662.7	653.2	647.5
162.5°	689.2	690.1	693.6	697.2	693.6	690.1	689.2	677.2	661.2	653.2	649.1
165°	679.0	680.0	683.7	687.4	683.7	680.0	679.0	670.4	658.9	653.2	651.3
167.5°	674.5	674.9	676.5	678.0	676.5	674.9	674.5	668.9	661.3	657.6	656.1
170°	674.5	674.5	674.5	674.5	674.5	674.5	674.5	668.9	661.3	657.6	657.5
172.5°	671.0	670.6	669.3	667.8	669.3	670.6	671.0	666.5	660.6	657.6	657.6
175°	666.1	666.1	666.1	666.1	666.1	666.1	666.1	663.2	659.5	657.6	658.5
177.5°	665.3	664.9	663.2	661.6	663.2	664.9	665.3	663.1	660.1	658.6	659.2
180°	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6	661.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1015.5	1015.5	1015.5	1015.5	1015.5
2.5°	1002.9	1007.8	1010.7	1014.5	1024.1
5°	964.6	982.8	988.6	1002.9	1020.2
7.5°	880.0	935.7	951.1	985.7	1012.6
10°	798.4	854.1	881.0	962.6	1002.9
12.5°	757.0	789.7	807.9	922.2	989.6
15°	731.1	754.2	767.6	868.5	974.2
17.5°	710.9	727.2	736.9	815.7	953.0
20°	698.4	706.1	714.7	777.2	929.0
22.5°	689.8	685.0	691.7	750.3	896.4
25°	684.1	665.7	673.5	729.1	857.9
27.5°	688.8	648.4	651.4	709.9	817.6
30°	689.8	627.3	628.3	689.8	772.4
32.5°	683.1	605.3	606.2	664.8	721.5
35°	666.7	579.3	578.3	636.0	652.4
37.5°	644.6	551.4	551.4	604.3	576.4
40°	617.7	523.6	526.5	563.0	509.2
42.5°	585.0	493.8	497.7	508.3	459.3
45°	549.5	465.0	467.9	429.5	420.8
47.5°	510.2	435.2	436.1	356.4	408.3
50°	463.1	404.4	400.6	305.5	407.3
52.5°	421.7	370.8	359.3	276.7	369.9
55°	381.4	335.3	310.3	254.6	342.9
57.5°	345.9	289.2	265.2	228.6	337.2
60°	313.1	244.0	225.8	200.7	309.3
62.5°	286.3	210.4	206.6	181.5	280.5
65°	257.5	187.4	186.4	165.2	238.3
67.5°	229.6	172.0	171.0	149.8	181.5
70°	199.8	155.7	153.8	133.5	134.5
72.5°	169.1	137.4	135.4	120.0	111.4
75°	138.4	116.2	115.3	104.8	90.3
77.5°	108.6	92.3	94.2	84.5	66.3
80°	77.8	67.2	69.1	60.5	49.9
82.5°	51.9	44.2	46.1	38.4	33.6
85°	28.8	25.0	26.0	20.2	15.4
87.5°	13.5	11.6	11.6	7.6	4.8
90°	19.5	12.4	11.6	7.9	4.4
92.5°	120.4	85.7	78.1	47.9	17.8
95°	296.4	166.9	153.1	97.9	42.6
97.5°	399.4	183.4	171.1	122.4	73.7
100°	436.8	197.2	186.1	141.9	97.7
102.5°	454.0	211.0	200.6	159.4	118.1
105°	466.7	231.4	222.7	187.8	152.8
107.5°	469.1	261.6	253.5	220.9	188.3
110°	465.5	278.4	271.0	241.7	212.3



TEST NUMBER: P934690

CATALOG NUMBER: SQ4-FA-075U-050D-B2750-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	465.7	298.8	291.8	263.8	235.8
115°	470.0	329.5	323.0	297.2	271.3
117.5°	478.7	359.3	353.3	329.9	306.4
120°	485.8	376.6	371.0	349.0	326.8
122.5°	496.0	397.0	391.5	369.1	346.9
125°	509.8	423.2	418.1	397.8	377.4
127.5°	523.5	448.5	443.3	422.9	402.3
130°	533.7	465.4	459.8	437.8	415.6
132.5°	541.8	479.1	473.6	451.5	429.4
135°	550.7	495.2	490.1	470.0	449.8
137.5°	563.9	515.5	510.5	490.6	470.7
140°	572.1	529.4	524.8	506.3	488.0
142.5°	578.9	539.6	535.4	518.4	501.4
145°	587.8	555.0	551.3	536.6	521.8
147.5°	600.8	574.6	571.0	556.6	542.2
150°	607.7	584.8	581.6	568.5	555.5
152.5°	612.1	591.5	589.0	579.2	569.3
155°	621.8	606.1	604.3	597.0	589.7
157.5°	631.6	620.8	619.0	612.0	604.8
160°	636.0	627.4	626.1	620.6	615.0
162.5°	640.8	634.6	633.5	629.4	625.2
165°	647.6	644.8	643.9	640.1	636.3
167.5°	652.9	650.5	650.1	648.3	646.5
170°	657.3	657.2	656.8	655.0	653.2
172.5°	657.6	657.6	657.5	657.1	656.8
175°	660.3	661.6	661.6	661.6	661.6
177.5°	660.6	661.6	661.6	661.6	661.6
180°	661.6	661.6	661.6	661.6	661.6



TEST NUMBER: P934690
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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	9.97	10.73	11.02	11.79	13.22	12.80	13.56	13.85	14.62	16.05
	3H	10.44	11.12	11.50	12.19	13.64	14.13	14.81	15.19	15.88	17.33
	4H	10.63	11.27	11.70	12.34	13.80	14.57	15.22	15.64	16.29	17.74
	6H	10.74	11.34	11.82	12.41	13.88	14.85	15.44	15.93	16.52	17.99
	8H	10.74	11.31	11.83	12.39	13.86	14.92	15.49	16.01	16.57	18.04
	12H	10.71	11.25	11.80	12.33	13.81	14.95	15.49	16.05	16.57	18.06
4H	2H	10.99	11.64	12.07	12.71	14.16	13.19	13.84	14.27	14.91	16.37
	3H	12.01	12.55	13.10	13.64	15.11	14.69	15.23	15.78	16.32	17.79
	4H	12.28	12.78	13.37	13.86	15.35	15.21	15.71	16.30	16.79	18.28
	6H	12.40	12.82	13.50	13.93	15.42	15.57	15.99	16.67	17.10	18.59
	8H	12.40	12.80	13.50	13.90	15.40	15.67	16.07	16.77	17.17	18.67
	12H	12.36	12.72	13.48	13.84	15.34	15.72	16.08	16.84	17.20	18.70
8H	4H	12.72	13.12	13.83	14.22	15.72	15.33	15.72	16.43	16.82	18.33
	6H	12.98	13.31	14.11	14.45	15.95	15.76	16.09	16.88	17.23	18.73
	8H	13.02	13.31	14.15	14.43	15.95	15.91	16.20	17.04	17.32	18.84
	12H	13.00	13.26	14.14	14.38	15.93	16.00	16.25	17.14	17.37	18.93
12H	4H	12.73	13.09	13.85	14.20	15.70	15.29	15.65	16.41	16.76	18.27
	6H	13.04	13.33	14.17	14.45	15.97	15.75	16.04	16.88	17.17	18.68
	8H	13.10	13.36	14.24	14.48	16.03	15.91	16.16	17.04	17.28	18.84