

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: P934731

Luminaire Tested: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-4-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934731
REPORT IS A COMBINATION OF REPORTS P933710 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-4-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

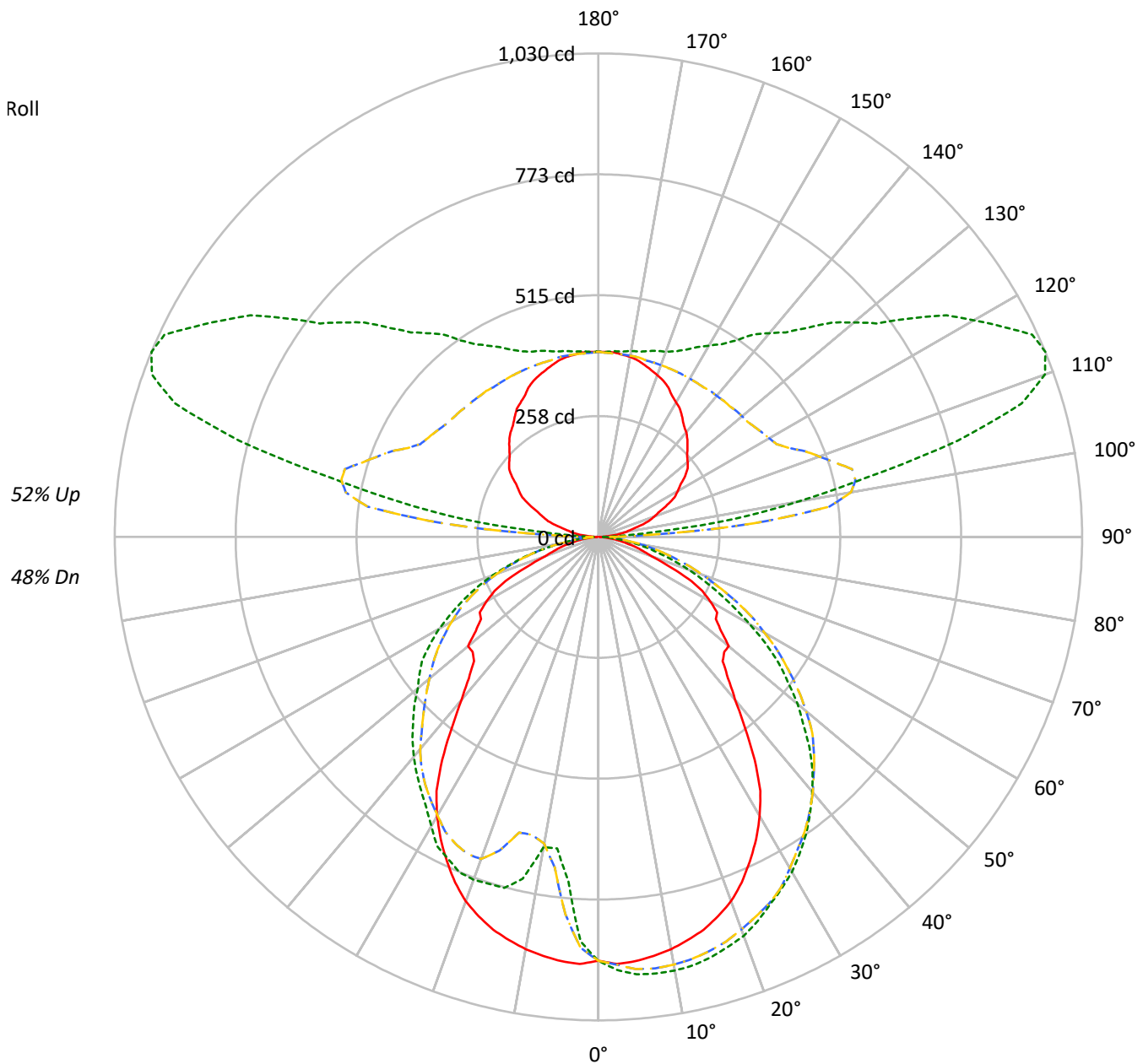
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4900.1 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 42.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-4-2700K

Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48	48
1	97	93	89	86	89	86	82	79	72	70	68	60	58	56	48	47	46	40	40	40	40
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39	34	34	34	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	29	29	29	29
4	74	63	55	49	68	58	52	46	49	44	40	41	37	34	33	31	28	25	25	25	25
5	68	56	48	42	62	52	45	40	44	39	34	37	33	29	30	27	25	21	21	21	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19	19	19	19
7	58	45	38	32	53	42	35	30	36	30	26	30	26	23	25	22	19	17	17	17	17
8	54	41	33	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13	13	13	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	12	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8378	8378	8378	8378
5°	8432	8458	8432	6650
10°	8366	8332	8366	5956
15°	8266	8151	8266	6806
20°	8083	7937	8083	6820
25°	7720	7625	7720	6675
30°	7254	7366	7254	6359
35°	6457	7039	6457	6010
40°	5372	6653	5372	5746
45°	4791	6202	4791	5443
50°	5077	5664	5077	5139
55°	4764	5084	4764	4963
60°	4892	4318	4892	4546
65°	4414	3568	4414	3990
70°	3036	2843	3036	3344
75°	2633	2102	2633	2518
80°	2078	1390	2078	1513
85°	1134	737	1134	625

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7356 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.5	1.7
10°-20°	231.4	4.7
20°-30°	357.7	7.3
30°-40°	427.0	8.7
40°-50°	429.6	8.8
50°-60°	373.8	7.6
60°-70°	265.0	5.4
70°-80°	140.2	2.9
80°-90°	36.4	0.7
90°-100°	192.3	3.9
100°-110°	505.6	10.3
110°-120°	524.2	10.7
120°-130°	420.5	8.6
130°-140°	329.9	6.7
140°-150°	253.2	5.2
150°-160°	182.4	3.7
160°-170°	111.6	2.3
170°-180°	37.7	0.8
0°-30°	670.6	13.7
0°-40°	1097.7	22.4
0°-60°	1901.0	38.8
0°-90°	2342.6	47.8
90°-120°	1222.1	24.9
90°-150°	2225.8	45.4
90°-180°	2557.0	52.2
0°-180°	4900.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	903	903	903	903	903	
5°	907	935	907	736	907	86
15°	866	927	866	774	866	244
25°	763	864	763	757	763	350
35°	580	771	580	659	580	359
45°	374	636	374	558	374	300
55°	305	469	305	458	305	280
65°	212	283	212	316	212	202
75°	80	134	80	161	80	84
85°	14	34	14	29	14	18
90°	3	10	3	10	3	3
95°	26	116	26	116	26	28
105°	91	792	91	792	91	97
115°	162	1019	162	1019	162	160
125°	225	812	225	812	225	200
135°	268	630	268	630	268	208
145°	311	511	311	511	311	195
155°	352	440	352	440	352	162
165°	379	410	379	410	379	107
175°	394	397	394	397	394	37
180°	394	394	394	394	394	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9
2.5°	910.6	910.6	915.8	917.5	917.5	914.9	912.4	914.9	922.6	925.2	924.3
5°	907.2	914.1	923.5	925.2	926.9	926.0	924.3	926.0	934.6	936.3	937.1
7.5°	900.3	913.2	925.2	927.8	930.3	927.8	926.9	928.6	937.1	938.9	938.9
10°	891.8	909.7	923.5	925.2	927.8	925.2	925.2	928.6	937.1	938.9	939.7
12.5°	879.8	904.6	917.5	919.2	922.6	921.8	920.9	924.3	932.9	934.6	934.6
15°	866.2	895.2	907.2	908.9	914.9	913.2	913.2	916.7	926.0	928.6	927.8
17.5°	847.4	883.3	896.9	899.5	903.8	902.9	903.8	907.2	915.8	917.5	918.4
20°	826.0	867.0	883.3	885.8	890.1	890.1	890.1	894.4	902.9	906.3	906.3
22.5°	797.0	849.9	867.0	868.7	873.9	873.9	875.6	881.5	889.2	890.1	890.1
25°	762.8	831.2	845.7	850.8	855.9	858.5	861.0	864.5	867.0	866.2	867.0
27.5°	726.9	807.2	826.0	829.4	836.3	838.8	842.3	843.1	844.0	846.5	844.8
30°	686.8	773.9	802.1	805.5	816.6	818.3	814.9	816.6	820.9	822.6	824.3
32.5°	641.5	724.4	777.3	785.0	795.3	790.2	789.3	791.9	798.7	798.7	800.4
35°	580.0	686.0	754.3	761.1	768.8	762.8	766.2	767.1	771.4	773.9	773.1
37.5°	512.6	652.6	730.4	735.5	741.5	733.8	738.9	741.5	744.9	743.2	743.2
40°	452.8	600.5	702.2	705.6	710.7	704.7	709.9	711.6	713.3	711.6	710.7
42.5°	408.4	543.3	672.3	676.6	673.1	677.4	679.1	682.5	680.0	676.6	676.6
45°	374.2	527.9	639.8	645.0	639.8	646.7	649.2	649.2	641.5	639.8	639.0
47.5°	363.1	497.2	607.4	607.4	604.8	613.3	617.6	611.6	604.0	601.4	601.4
50°	362.2	463.0	563.0	559.5	571.5	581.7	577.5	571.5	565.5	556.1	556.1
52.5°	328.9	421.2	505.7	518.5	537.3	543.3	536.5	530.5	520.2	516.0	512.6
55°	305.0	377.6	453.6	479.3	498.9	506.6	493.8	487.8	472.4	469.9	468.1
57.5°	299.8	314.4	405.8	438.3	462.2	461.3	453.6	442.5	429.7	427.1	426.3
60°	275.0	227.2	354.5	393.0	417.8	415.2	408.4	398.1	386.2	384.4	382.7
62.5°	249.4	164.8	296.4	340.0	375.0	374.2	368.2	352.8	344.3	340.0	336.6
65°	211.8	138.4	211.0	282.7	333.2	334.9	322.1	311.0	301.5	296.4	295.5
67.5°	161.4	112.7	142.6	235.7	293.0	291.3	275.0	269.9	257.9	255.4	250.3
70°	119.6	75.2	99.1	191.3	253.7	249.4	236.6	230.6	219.5	213.5	210.1
72.5°	99.1	60.6	72.6	148.6	213.5	208.4	197.3	190.5	181.1	176.0	172.5
75°	80.3	64.1	55.5	110.2	173.4	170.0	159.7	152.9	145.2	138.4	139.2
77.5°	58.9	59.8	44.4	81.1	137.5	132.4	126.4	117.9	114.5	107.6	107.6
80°	44.4	47.0	33.3	55.5	99.1	99.1	94.0	88.0	82.0	78.6	78.6
82.5°	29.9	29.9	24.8	35.0	67.5	64.9	61.5	59.8	56.4	54.7	54.7
85°	13.7	17.1	15.4	21.4	36.7	38.4	38.4	36.7	35.9	34.2	35.0
87.5°	4.3	7.7	9.4	12.0	18.8	19.6	20.5	20.5	20.5	21.4	21.4
90°	2.6	4.8	6.9	7.4	11.7	17.3	20.2	17.9	13.4	10.1	10.1
92.5°	10.6	28.6	46.5	51.1	71.8	99.5	113.3	99.3	71.3	50.3	48.3
95°	25.5	58.4	91.4	99.6	176.8	279.7	331.2	295.5	224.2	170.7	164.7
97.5°	44.0	73.0	102.1	109.3	238.1	409.8	495.7	473.1	428.1	394.3	382.7
100°	58.3	84.6	111.0	117.5	260.4	451.0	546.2	547.8	551.2	553.6	539.9
102.5°	70.5	95.1	119.6	125.7	270.7	464.0	560.6	589.3	646.7	689.7	677.9
105°	91.1	111.9	132.7	137.9	278.3	465.4	558.9	623.3	752.1	848.6	842.3
107.5°	112.2	131.7	151.1	156.0	279.7	444.7	527.2	616.9	796.5	931.2	932.7
110°	126.6	144.1	161.7	166.0	277.6	426.3	500.7	601.0	801.8	952.4	958.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	140.6	157.3	174.0	178.2	277.7	410.3	476.6	579.4	784.8	938.9	949.0
115°	161.8	177.1	192.6	196.4	280.2	391.9	447.7	546.7	744.6	893.1	907.1
117.5°	182.7	196.7	210.7	214.2	285.4	380.3	427.8	517.2	695.8	829.8	845.3
120°	194.9	208.1	221.2	224.6	289.6	376.5	419.9	501.5	664.8	787.2	802.3
122.5°	206.8	220.1	233.3	236.7	295.7	374.4	413.8	487.3	634.3	744.5	759.5
125°	225.1	237.2	249.3	252.3	304.0	372.8	407.2	469.7	594.6	688.2	701.9
127.5°	239.9	252.1	264.4	267.4	312.2	371.9	401.7	455.3	562.5	642.9	654.5
130°	247.9	261.0	274.2	277.5	318.2	372.4	399.6	447.3	542.7	614.3	625.0
132.5°	256.1	269.2	282.4	285.7	323.0	372.8	397.7	440.4	525.9	589.9	599.5
135°	268.2	280.2	292.2	295.2	328.3	372.5	394.5	430.3	501.9	555.5	563.8
137.5°	280.7	292.5	304.4	307.4	336.3	374.8	394.0	424.2	484.7	530.1	536.8
140°	291.0	301.9	312.9	315.6	341.1	375.1	392.1	418.3	470.5	509.7	516.0
142.5°	298.9	309.0	319.1	321.7	345.2	376.5	392.1	415.1	461.0	495.4	500.9
145°	311.1	320.0	328.8	331.0	350.4	376.5	389.5	408.3	445.8	474.0	478.1
147.5°	323.3	331.8	340.5	342.6	358.2	379.1	389.5	404.3	433.8	455.9	459.4
150°	331.2	339.0	346.8	348.7	362.3	380.4	389.5	402.0	426.9	445.6	448.3
152.5°	339.4	345.3	351.2	352.7	365.0	381.3	389.5	400.2	421.4	437.4	439.4
155°	351.6	356.0	360.3	361.4	370.8	383.2	389.5	397.9	414.8	427.6	428.9
157.5°	360.6	364.9	369.2	370.2	376.6	385.2	389.5	396.1	409.2	419.1	420.1
160°	366.7	370.0	373.3	374.1	379.2	386.1	389.5	395.1	406.5	414.9	415.4
162.5°	372.8	375.3	377.8	378.4	382.1	387.0	389.5	394.3	403.7	410.9	411.4
165°	379.4	381.6	383.8	384.4	386.2	388.4	389.5	392.9	399.7	404.9	405.5
167.5°	385.5	386.5	387.6	387.9	389.3	391.2	392.1	394.4	398.9	402.2	402.5
170°	389.5	390.5	391.6	391.9	392.0	392.0	392.1	394.4	398.9	402.2	402.2
172.5°	391.6	391.9	392.0	392.1	392.1	392.1	392.1	393.9	397.4	400.1	399.9
175°	394.5	394.5	394.5	394.5	393.8	392.6	392.1	393.2	395.5	397.2	397.2
177.5°	394.5	394.5	394.5	394.5	393.9	393.1	392.6	393.5	395.3	396.7	396.4
180°	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9
2.5°	926.0	923.5	926.0	924.3	925.2	922.6	914.9	912.4	914.9	917.5	917.5
5°	937.1	935.4	937.1	937.1	936.3	934.6	926.0	924.3	926.0	926.9	925.2
7.5°	940.6	938.0	940.6	938.9	938.9	937.1	928.6	926.9	927.8	930.3	927.8
10°	940.6	938.0	940.6	939.7	938.9	937.1	928.6	925.2	925.2	927.8	925.2
12.5°	936.3	934.6	936.3	934.6	934.6	932.9	924.3	920.9	921.8	922.6	919.2
15°	929.5	926.9	929.5	927.8	928.6	926.0	916.7	913.2	913.2	914.9	908.9
17.5°	919.2	915.8	919.2	918.4	917.5	915.8	907.2	903.8	902.9	903.8	899.5
20°	907.2	904.6	907.2	906.3	906.3	902.9	894.4	890.1	890.1	890.1	885.8
22.5°	888.4	885.8	888.4	890.1	890.1	889.2	881.5	875.6	873.9	873.9	868.7
25°	867.0	864.5	867.0	867.0	866.2	867.0	864.5	861.0	858.5	855.9	850.8
27.5°	846.5	844.8	846.5	844.8	846.5	844.0	843.1	842.3	838.8	836.3	829.4
30°	826.0	824.3	826.0	824.3	822.6	820.9	816.6	814.9	818.3	816.6	805.5
32.5°	800.4	798.7	800.4	800.4	798.7	798.7	791.9	789.3	790.2	795.3	785.0
35°	773.9	771.4	773.9	773.1	773.9	771.4	767.1	766.2	762.8	768.8	761.1
37.5°	743.2	740.6	743.2	743.2	743.2	744.9	741.5	738.9	733.8	741.5	735.5
40°	711.6	708.2	711.6	710.7	711.6	713.3	711.6	709.9	704.7	710.7	705.6
42.5°	675.7	674.8	675.7	676.6	676.6	680.0	682.5	679.1	677.4	673.1	676.6
45°	637.3	635.6	637.3	639.0	639.8	641.5	649.2	649.2	646.7	639.8	645.0
47.5°	596.3	592.0	596.3	601.4	601.4	604.0	611.6	617.6	613.3	604.8	607.4
50°	552.7	553.6	552.7	556.1	556.1	565.5	571.5	577.5	581.7	571.5	559.5
52.5°	510.0	509.1	510.0	512.6	516.0	520.2	530.5	536.5	543.3	537.3	518.5
55°	467.3	469.0	467.3	468.1	469.9	472.4	487.8	493.8	506.6	498.9	479.3
57.5°	424.6	422.0	424.6	426.3	427.1	429.7	442.5	453.6	461.3	462.2	438.3
60°	375.0	371.6	375.0	382.7	384.4	386.2	398.1	408.4	415.2	417.8	393.0
62.5°	331.5	325.5	331.5	336.6	340.0	344.3	352.8	368.2	374.2	375.0	340.0
65°	285.3	282.7	285.3	295.5	296.4	301.5	311.0	322.1	334.9	333.2	282.7
67.5°	243.4	243.4	243.4	250.3	255.4	257.9	269.9	275.0	291.3	293.0	235.7
70°	205.0	204.1	205.0	210.1	213.5	219.5	230.6	236.6	249.4	253.7	191.3
72.5°	168.3	167.4	168.3	172.5	176.0	181.1	190.5	197.3	208.4	213.5	148.6
75°	135.8	134.1	135.8	139.2	138.4	145.2	152.9	159.7	170.0	173.4	110.2
77.5°	104.2	104.2	104.2	107.6	107.6	114.5	117.9	126.4	132.4	137.5	81.1
80°	77.7	76.9	77.7	78.6	78.6	82.0	88.0	94.0	99.1	99.1	55.5
82.5°	54.7	53.0	54.7	54.7	54.7	56.4	59.8	61.5	64.9	67.5	35.0
85°	34.2	34.2	34.2	35.0	34.2	35.9	36.7	38.4	38.4	36.7	21.4
87.5°	22.2	21.4	22.2	21.4	21.4	20.5	20.5	20.5	19.6	18.8	12.0
90°	10.1	10.1	10.1	10.1	10.1	13.4	17.9	20.2	17.3	11.7	7.4
92.5°	40.3	32.3	40.3	48.3	50.3	71.3	99.3	113.3	99.5	71.8	51.1
95°	140.5	116.2	140.5	164.7	170.7	224.2	295.5	331.2	279.7	176.8	99.6
97.5°	336.6	290.5	336.6	382.7	394.3	428.1	473.1	495.7	409.8	238.1	109.3
100°	485.0	430.0	485.0	539.9	553.6	551.2	547.8	546.2	451.0	260.4	117.5
102.5°	630.9	583.8	630.9	677.9	689.7	646.7	589.3	560.6	464.0	270.7	125.7
105°	817.0	791.7	817.0	842.3	848.6	752.1	623.3	558.9	465.4	278.3	137.9
107.5°	938.9	945.0	938.9	932.7	931.2	796.5	616.9	527.2	444.7	279.7	156.0
110°	985.3	1011.7	985.3	958.9	952.4	801.8	601.0	500.7	426.3	277.6	166.0



TEST NUMBER: P934731

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	989.5	1030.0	989.5	949.0	938.9	784.8	579.4	476.6	410.3	277.7	178.2
115°	963.3	1019.4	963.3	907.1	893.1	744.6	546.7	447.7	391.9	280.2	196.4
117.5°	907.6	969.9	907.6	845.3	829.8	695.8	517.2	427.8	380.3	285.4	214.2
120°	862.8	923.2	862.8	802.3	787.2	664.8	501.5	419.9	376.5	289.6	224.6
122.5°	819.1	878.8	819.1	759.5	744.5	634.3	487.3	413.8	374.4	295.7	236.7
125°	756.8	811.8	756.8	701.9	688.2	594.6	469.7	407.2	372.8	304.0	252.3
127.5°	700.8	747.2	700.8	654.5	642.9	562.5	455.3	401.7	371.9	312.2	267.4
130°	667.8	710.6	667.8	625.0	614.3	542.7	447.3	399.6	372.4	318.2	277.5
132.5°	637.9	676.2	637.9	599.5	589.9	525.9	440.4	397.7	372.8	323.0	285.7
135°	596.9	629.9	596.9	563.8	555.5	501.9	430.3	394.5	372.5	328.3	295.2
137.5°	563.9	591.0	563.9	536.8	530.1	484.7	424.2	394.0	374.8	336.3	307.4
140°	541.3	566.6	541.3	516.0	509.7	470.5	418.3	392.1	375.1	341.1	315.6
142.5°	522.6	544.3	522.6	500.9	495.4	461.0	415.1	392.1	376.5	345.2	321.7
145°	494.5	511.0	494.5	478.1	474.0	445.8	408.3	389.5	376.5	350.4	331.0
147.5°	473.0	486.7	473.0	459.4	455.9	433.8	404.3	389.5	379.1	358.2	342.6
150°	459.4	470.5	459.4	448.3	445.6	426.9	402.0	389.5	380.4	362.3	348.7
152.5°	447.8	456.2	447.8	439.4	437.4	421.4	400.2	389.5	381.3	365.0	352.7
155°	434.5	440.0	434.5	428.9	427.6	414.8	397.9	389.5	383.2	370.8	361.4
157.5°	424.0	427.8	424.0	420.1	419.1	409.2	396.1	389.5	385.2	376.6	370.2
160°	417.7	419.9	417.7	415.4	414.9	406.5	395.1	389.5	386.1	379.2	374.1
162.5°	413.6	415.7	413.6	411.4	410.9	403.7	394.3	389.5	387.0	382.1	378.4
165°	407.7	409.9	407.7	405.5	404.9	399.7	392.9	389.5	388.4	386.2	384.4
167.5°	403.4	404.3	403.4	402.5	402.2	398.9	394.4	392.1	391.2	389.3	387.9
170°	402.2	402.2	402.2	402.2	402.2	398.9	394.4	392.1	392.0	392.0	391.9
172.5°	399.0	398.2	399.0	399.9	400.1	397.4	393.9	392.1	392.1	392.1	392.1
175°	397.2	397.2	397.2	397.2	397.2	395.5	393.2	392.1	392.6	393.8	394.5
177.5°	395.5	394.5	395.5	396.4	396.7	395.3	393.5	392.6	393.1	393.9	394.5
180°	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5



TEST NUMBER: P934731

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9
2.5°	915.8	910.6	910.6	902.0	898.6	896.1	891.8	879.0	875.6	872.2	877.3
5°	923.5	914.1	907.2	891.8	879.0	873.9	857.6	826.9	806.4	791.0	782.5
7.5°	925.2	913.2	900.3	876.4	845.7	832.0	782.5	726.1	710.7	697.1	688.5
10°	923.5	909.7	891.8	855.9	783.3	759.4	709.9	673.1	663.7	661.2	663.7
12.5°	917.5	904.6	879.8	820.0	718.4	702.2	673.1	651.8	650.1	654.3	677.4
15°	907.2	895.2	866.2	772.2	682.5	670.6	650.1	642.4	651.8	681.7	750.9
17.5°	896.9	883.3	847.4	725.2	655.2	646.7	632.1	647.5	700.5	740.6	763.7
20°	883.3	867.0	826.0	691.1	635.6	627.9	621.0	690.2	730.4	744.9	757.7
22.5°	867.0	849.9	797.0	667.2	615.1	609.1	613.3	714.1	730.4	740.6	751.7
25°	845.7	831.2	762.8	648.4	598.8	592.0	608.2	711.6	721.0	723.5	745.7
27.5°	826.0	807.2	726.9	631.3	579.2	576.6	612.5	700.5	707.3	709.9	733.8
30°	802.1	773.9	686.8	613.3	558.7	557.8	613.3	686.8	685.1	691.9	715.8
32.5°	777.3	724.4	641.5	591.1	539.0	538.2	607.4	666.3	664.6	674.0	691.9
35°	754.3	686.0	580.0	565.5	514.3	515.1	592.9	642.4	643.2	651.8	662.9
37.5°	730.4	652.6	512.6	537.3	490.4	490.4	573.2	620.2	618.5	621.0	636.4
40°	702.2	600.5	452.8	500.6	468.1	465.6	549.3	596.3	590.3	589.4	610.8
42.5°	672.3	543.3	408.4	451.9	442.5	439.1	520.2	567.2	556.1	558.7	586.0
45°	639.8	527.9	374.2	381.9	416.0	413.5	488.6	533.9	526.2	533.1	561.2
47.5°	607.4	497.2	363.1	317.0	387.9	387.0	453.6	501.5	497.2	504.0	533.9
50°	563.0	463.0	362.2	271.6	356.3	359.7	411.8	469.9	469.9	475.8	507.4
52.5°	505.7	421.2	328.9	246.0	319.5	329.8	375.0	442.5	444.2	450.2	478.4
55°	453.6	377.6	305.0	226.3	275.9	298.1	339.2	414.3	417.8	423.7	449.4
57.5°	405.8	314.4	299.8	203.3	235.7	257.1	307.6	387.0	388.7	393.8	418.6
60°	354.5	227.2	275.0	178.5	200.7	216.9	278.4	354.5	360.5	363.9	385.3
62.5°	296.4	164.8	249.4	161.4	183.6	187.1	254.5	323.8	331.5	334.0	346.9
65°	211.0	138.4	211.8	146.9	165.7	166.6	228.9	292.1	298.9	303.2	312.7
67.5°	142.6	112.7	161.4	133.2	152.0	152.9	204.1	255.4	264.8	268.2	274.2
70°	99.1	75.2	119.6	118.7	136.7	138.4	177.7	222.1	230.6	233.2	236.6
72.5°	72.6	60.6	99.1	106.8	120.4	122.1	150.3	184.5	193.0	195.6	197.3
75°	55.5	64.1	80.3	93.1	102.5	103.3	123.0	150.3	156.3	158.0	158.9
77.5°	44.4	59.8	58.9	75.2	83.7	82.0	96.5	116.2	121.3	121.3	121.3
80°	33.3	47.0	44.4	53.8	61.5	59.8	69.2	82.9	84.6	86.3	85.4
82.5°	24.8	29.9	29.9	34.2	41.0	39.3	46.1	53.8	53.8	53.8	55.5
85°	15.4	17.1	13.7	17.9	23.1	22.2	25.6	29.0	29.9	29.9	28.2
87.5°	9.4	7.7	4.3	6.8	10.2	10.2	12.0	12.8	12.0	12.0	12.0
90°	6.9	4.8	2.6	4.8	6.9	7.4	11.7	17.3	20.2	17.9	13.4
92.5°	46.5	28.6	10.6	28.6	46.5	51.1	71.8	99.5	113.3	99.3	71.3
95°	91.4	58.4	25.5	58.4	91.4	99.6	176.8	279.7	331.2	295.5	224.2
97.5°	102.1	73.0	44.0	73.0	102.1	109.3	238.1	409.8	495.7	473.1	428.1
100°	111.0	84.6	58.3	84.6	111.0	117.5	260.4	451.0	546.2	547.8	551.2
102.5°	119.6	95.1	70.5	95.1	119.6	125.7	270.7	464.0	560.6	589.3	646.7
105°	132.7	111.9	91.1	111.9	132.7	137.9	278.3	465.4	558.9	623.3	752.1
107.5°	151.1	131.7	112.2	131.7	151.1	156.0	279.7	444.7	527.2	616.9	796.5
110°	161.7	144.1	126.6	144.1	161.7	166.0	277.6	426.3	500.7	601.0	801.8



TEST NUMBER: P934731

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	174.0	157.3	140.6	157.3	174.0	178.2	277.7	410.3	476.6	579.4	784.8
115°	192.6	177.1	161.8	177.1	192.6	196.4	280.2	391.9	447.7	546.7	744.6
117.5°	210.7	196.7	182.7	196.7	210.7	214.2	285.4	380.3	427.8	517.2	695.8
120°	221.2	208.1	194.9	208.1	221.2	224.6	289.6	376.5	419.9	501.5	664.8
122.5°	233.3	220.1	206.8	220.1	233.3	236.7	295.7	374.4	413.8	487.3	634.3
125°	249.3	237.2	225.1	237.2	249.3	252.3	304.0	372.8	407.2	469.7	594.6
127.5°	264.4	252.1	239.9	252.1	264.4	267.4	312.2	371.9	401.7	455.3	562.5
130°	274.2	261.0	247.9	261.0	274.2	277.5	318.2	372.4	399.6	447.3	542.7
132.5°	282.4	269.2	256.1	269.2	282.4	285.7	323.0	372.8	397.7	440.4	525.9
135°	292.2	280.2	268.2	280.2	292.2	295.2	328.3	372.5	394.5	430.3	501.9
137.5°	304.4	292.5	280.7	292.5	304.4	307.4	336.3	374.8	394.0	424.2	484.7
140°	312.9	301.9	291.0	301.9	312.9	315.6	341.1	375.1	392.1	418.3	470.5
142.5°	319.1	309.0	298.9	309.0	319.1	321.7	345.2	376.5	392.1	415.1	461.0
145°	328.8	320.0	311.1	320.0	328.8	331.0	350.4	376.5	389.5	408.3	445.8
147.5°	340.5	331.8	323.3	331.8	340.5	342.6	358.2	379.1	389.5	404.3	433.8
150°	346.8	339.0	331.2	339.0	346.8	348.7	362.3	380.4	389.5	402.0	426.9
152.5°	351.2	345.3	339.4	345.3	351.2	352.7	365.0	381.3	389.5	400.2	421.4
155°	360.3	356.0	351.6	356.0	360.3	361.4	370.8	383.2	389.5	397.9	414.8
157.5°	369.2	364.9	360.6	364.9	369.2	370.2	376.6	385.2	389.5	396.1	409.2
160°	373.3	370.0	366.7	370.0	373.3	374.1	379.2	386.1	389.5	395.1	406.5
162.5°	377.8	375.3	372.8	375.3	377.8	378.4	382.1	387.0	389.5	394.3	403.7
165°	383.8	381.6	379.4	381.6	383.8	384.4	386.2	388.4	389.5	392.9	399.7
167.5°	387.6	386.5	385.5	386.5	387.6	387.9	389.3	391.2	392.1	394.4	398.9
170°	391.6	390.5	389.5	390.5	391.6	391.9	392.0	392.0	392.1	394.4	398.9
172.5°	392.0	391.9	391.6	391.9	392.0	392.1	392.1	392.1	392.1	393.9	397.4
175°	394.5	394.5	394.5	394.5	394.5	394.5	393.8	392.6	392.1	393.2	395.5
177.5°	394.5	394.5	394.5	394.5	394.5	394.5	393.9	393.1	392.6	393.5	395.3
180°	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5



TEST NUMBER: P934731

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9	902.9
2.5°	871.3	868.7	872.2	862.8	872.2	868.7	871.3	877.3	872.2	875.6	879.0
5°	764.5	760.3	746.6	735.5	746.6	760.3	764.5	782.5	791.0	806.4	826.9
7.5°	683.4	680.0	676.6	669.7	676.6	680.0	683.4	688.5	697.1	710.7	726.1
10°	665.5	666.3	671.4	670.6	671.4	666.3	665.5	663.7	661.2	663.7	673.1
12.5°	711.6	719.3	747.4	745.7	747.4	719.3	711.6	677.4	654.3	650.1	651.8
15°	764.5	767.1	773.1	773.9	773.1	767.1	764.5	750.9	681.7	651.8	642.4
17.5°	769.7	770.5	774.8	774.8	774.8	770.5	769.7	763.7	740.6	700.5	647.5
20°	765.4	767.1	775.6	777.3	775.6	767.1	765.4	757.7	744.9	730.4	690.2
22.5°	763.7	767.1	773.9	773.1	773.9	767.1	763.7	751.7	740.6	730.4	714.1
25°	755.1	755.1	756.0	756.8	756.0	755.1	755.1	745.7	723.5	721.0	711.6
27.5°	737.2	738.9	744.0	743.2	744.0	738.9	737.2	733.8	709.9	707.3	700.5
30°	721.0	719.3	715.0	711.6	715.0	719.3	721.0	715.8	691.9	685.1	686.8
32.5°	693.6	689.4	685.1	682.5	685.1	689.4	693.6	691.9	674.0	664.6	666.3
35°	661.2	662.0	661.2	658.6	661.2	662.0	661.2	662.9	651.8	643.2	642.4
37.5°	638.1	639.8	639.0	635.6	639.0	639.8	638.1	636.4	621.0	618.5	620.2
40°	614.2	615.1	614.2	611.6	614.2	615.1	614.2	610.8	589.4	590.3	596.3
42.5°	591.1	590.3	587.7	586.0	587.7	590.3	591.1	586.0	558.7	556.1	567.2
45°	564.7	565.5	560.4	557.8	560.4	565.5	564.7	561.2	533.1	526.2	533.9
47.5°	538.2	538.2	533.9	531.4	533.9	538.2	538.2	533.9	504.0	497.2	501.5
50°	510.0	509.1	503.2	502.3	503.2	509.1	510.0	507.4	475.8	469.9	469.9
52.5°	477.5	477.5	478.4	480.1	478.4	477.5	477.5	478.4	450.2	444.2	442.5
55°	449.4	450.2	456.2	457.9	456.2	450.2	449.4	449.4	423.7	417.8	414.3
57.5°	420.3	420.3	424.6	424.6	424.6	420.3	420.3	418.6	393.8	388.7	387.0
60°	387.0	388.7	392.1	391.3	392.1	388.7	387.0	385.3	363.9	360.5	354.5
62.5°	352.0	353.7	354.5	352.8	354.5	353.7	352.0	346.9	334.0	331.5	323.8
65°	315.3	317.0	317.8	316.1	317.8	317.0	315.3	312.7	303.2	298.9	292.1
67.5°	277.6	276.7	275.9	279.3	275.9	276.7	277.6	274.2	268.2	264.8	255.4
70°	239.2	239.2	238.3	240.0	238.3	239.2	239.2	236.6	233.2	230.6	222.1
72.5°	198.2	197.3	200.7	198.2	200.7	197.3	198.2	197.3	195.6	193.0	184.5
75°	158.0	159.7	158.0	160.6	158.0	159.7	158.0	158.9	158.0	156.3	150.3
77.5°	120.4	122.1	120.4	120.4	120.4	122.1	120.4	121.3	121.3	121.3	116.2
80°	85.4	84.6	84.6	83.7	84.6	84.6	85.4	85.4	86.3	84.6	82.9
82.5°	54.7	53.8	53.8	55.5	53.8	53.8	54.7	55.5	53.8	53.8	53.8
85°	29.9	30.7	29.0	29.0	29.0	30.7	29.9	28.2	29.9	29.9	29.0
87.5°	11.1	10.2	10.2	10.2	10.2	10.2	11.1	12.0	12.0	12.0	12.8
90°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	13.4	17.9	20.2	17.3
92.5°	50.3	48.3	40.3	32.3	40.3	48.3	50.3	71.3	99.3	113.3	99.5
95°	170.7	164.7	140.5	116.2	140.5	164.7	170.7	224.2	295.5	331.2	279.7
97.5°	394.3	382.7	336.6	290.5	336.6	382.7	394.3	428.1	473.1	495.7	409.8
100°	553.6	539.9	485.0	430.0	485.0	539.9	553.6	551.2	547.8	546.2	451.0
102.5°	689.7	677.9	630.9	583.8	630.9	677.9	689.7	646.7	589.3	560.6	464.0
105°	848.6	842.3	817.0	791.7	817.0	842.3	848.6	752.1	623.3	558.9	465.4
107.5°	931.2	932.7	938.9	945.0	938.9	932.7	931.2	796.5	616.9	527.2	444.7
110°	952.4	958.9	985.3	1011.7	985.3	958.9	952.4	801.8	601.0	500.7	426.3



TEST NUMBER: P934731

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	938.9	949.0	989.5	1030.0	989.5	949.0	938.9	784.8	579.4	476.6	410.3
115°	893.1	907.1	963.3	1019.4	963.3	907.1	893.1	744.6	546.7	447.7	391.9
117.5°	829.8	845.3	907.6	969.9	907.6	845.3	829.8	695.8	517.2	427.8	380.3
120°	787.2	802.3	862.8	923.2	862.8	802.3	787.2	664.8	501.5	419.9	376.5
122.5°	744.5	759.5	819.1	878.8	819.1	759.5	744.5	634.3	487.3	413.8	374.4
125°	688.2	701.9	756.8	811.8	756.8	701.9	688.2	594.6	469.7	407.2	372.8
127.5°	642.9	654.5	700.8	747.2	700.8	654.5	642.9	562.5	455.3	401.7	371.9
130°	614.3	625.0	667.8	710.6	667.8	625.0	614.3	542.7	447.3	399.6	372.4
132.5°	589.9	599.5	637.9	676.2	637.9	599.5	589.9	525.9	440.4	397.7	372.8
135°	555.5	563.8	596.9	629.9	596.9	563.8	555.5	501.9	430.3	394.5	372.5
137.5°	530.1	536.8	563.9	591.0	563.9	536.8	530.1	484.7	424.2	394.0	374.8
140°	509.7	516.0	541.3	566.6	541.3	516.0	509.7	470.5	418.3	392.1	375.1
142.5°	495.4	500.9	522.6	544.3	522.6	500.9	495.4	461.0	415.1	392.1	376.5
145°	474.0	478.1	494.5	511.0	494.5	478.1	474.0	445.8	408.3	389.5	376.5
147.5°	455.9	459.4	473.0	486.7	473.0	459.4	455.9	433.8	404.3	389.5	379.1
150°	445.6	448.3	459.4	470.5	459.4	448.3	445.6	426.9	402.0	389.5	380.4
152.5°	437.4	439.4	447.8	456.2	447.8	439.4	437.4	421.4	400.2	389.5	381.3
155°	427.6	428.9	434.5	440.0	434.5	428.9	427.6	414.8	397.9	389.5	383.2
157.5°	419.1	420.1	424.0	427.8	424.0	420.1	419.1	409.2	396.1	389.5	385.2
160°	414.9	415.4	417.7	419.9	417.7	415.4	414.9	406.5	395.1	389.5	386.1
162.5°	410.9	411.4	413.6	415.7	413.6	411.4	410.9	403.7	394.3	389.5	387.0
165°	404.9	405.5	407.7	409.9	407.7	405.5	404.9	399.7	392.9	389.5	388.4
167.5°	402.2	402.5	403.4	404.3	403.4	402.5	402.2	398.9	394.4	392.1	391.2
170°	402.2	402.2	402.2	402.2	402.2	402.2	402.2	398.9	394.4	392.1	392.0
172.5°	400.1	399.9	399.0	398.2	399.0	399.9	400.1	397.4	393.9	392.1	392.1
175°	397.2	397.2	397.2	397.2	397.2	397.2	397.2	395.5	393.2	392.1	392.6
177.5°	396.7	396.4	395.5	394.5	395.5	396.4	396.7	395.3	393.5	392.6	393.1
180°	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5



TEST NUMBER: P934731

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	902.9	902.9	902.9	902.9	902.9
2.5°	891.8	896.1	898.6	902.0	910.6
5°	857.6	873.9	879.0	891.8	907.2
7.5°	782.5	832.0	845.7	876.4	900.3
10°	709.9	759.4	783.3	855.9	891.8
12.5°	673.1	702.2	718.4	820.0	879.8
15°	650.1	670.6	682.5	772.2	866.2
17.5°	632.1	646.7	655.2	725.2	847.4
20°	621.0	627.9	635.6	691.1	826.0
22.5°	613.3	609.1	615.1	667.2	797.0
25°	608.2	592.0	598.8	648.4	762.8
27.5°	612.5	576.6	579.2	631.3	726.9
30°	613.3	557.8	558.7	613.3	686.8
32.5°	607.4	538.2	539.0	591.1	641.5
35°	592.9	515.1	514.3	565.5	580.0
37.5°	573.2	490.4	490.4	537.3	512.6
40°	549.3	465.6	468.1	500.6	452.8
42.5°	520.2	439.1	442.5	451.9	408.4
45°	488.6	413.5	416.0	381.9	374.2
47.5°	453.6	387.0	387.9	317.0	363.1
50°	411.8	359.7	356.3	271.6	362.2
52.5°	375.0	329.8	319.5	246.0	328.9
55°	339.2	298.1	275.9	226.3	305.0
57.5°	307.6	257.1	235.7	203.3	299.8
60°	278.4	216.9	200.7	178.5	275.0
62.5°	254.5	187.1	183.6	161.4	249.4
65°	228.9	166.6	165.7	146.9	211.8
67.5°	204.1	152.9	152.0	133.2	161.4
70°	177.7	138.4	136.7	118.7	119.6
72.5°	150.3	122.1	120.4	106.8	99.1
75°	123.0	103.3	102.5	93.1	80.3
77.5°	96.5	82.0	83.7	75.2	58.9
80°	69.2	59.8	61.5	53.8	44.4
82.5°	46.1	39.3	41.0	34.2	29.9
85°	25.6	22.2	23.1	17.9	13.7
87.5°	12.0	10.2	10.2	6.8	4.3
90°	11.7	7.4	6.9	4.8	2.6
92.5°	71.8	51.1	46.5	28.6	10.6
95°	176.8	99.6	91.4	58.4	25.5
97.5°	238.1	109.3	102.1	73.0	44.0
100°	260.4	117.5	111.0	84.6	58.3
102.5°	270.7	125.7	119.6	95.1	70.5
105°	278.3	137.9	132.7	111.9	91.1
107.5°	279.7	156.0	151.1	131.7	112.2
110°	277.6	166.0	161.7	144.1	126.6



TEST NUMBER: P934731
 CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-4-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	277.7	178.2	174.0	157.3	140.6
115°	280.2	196.4	192.6	177.1	161.8
117.5°	285.4	214.2	210.7	196.7	182.7
120°	289.6	224.6	221.2	208.1	194.9
122.5°	295.7	236.7	233.3	220.1	206.8
125°	304.0	252.3	249.3	237.2	225.1
127.5°	312.2	267.4	264.4	252.1	239.9
130°	318.2	277.5	274.2	261.0	247.9
132.5°	323.0	285.7	282.4	269.2	256.1
135°	328.3	295.2	292.2	280.2	268.2
137.5°	336.3	307.4	304.4	292.5	280.7
140°	341.1	315.6	312.9	301.9	291.0
142.5°	345.2	321.7	319.1	309.0	298.9
145°	350.4	331.0	328.8	320.0	311.1
147.5°	358.2	342.6	340.5	331.8	323.3
150°	362.3	348.7	346.8	339.0	331.2
152.5°	365.0	352.7	351.2	345.3	339.4
155°	370.8	361.4	360.3	356.0	351.6
157.5°	376.6	370.2	369.2	364.9	360.6
160°	379.2	374.1	373.3	370.0	366.7
162.5°	382.1	378.4	377.8	375.3	372.8
165°	386.2	384.4	383.8	381.6	379.4
167.5°	389.3	387.9	387.6	386.5	385.5
170°	392.0	391.9	391.6	390.5	389.5
172.5°	392.1	392.1	392.0	391.9	391.6
175°	393.8	394.5	394.5	394.5	394.5
177.5°	393.9	394.5	394.5	394.5	394.5
180°	394.5	394.5	394.5	394.5	394.5



TEST NUMBER: P934731
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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	11.97	12.81	12.95	13.80	15.11	14.77	15.61	15.75	16.60	17.90
	3H	12.45	13.20	13.43	14.20	15.52	16.10	16.86	17.09	17.86	19.18
	4H	12.64	13.35	13.64	14.35	15.69	16.54	17.25	17.54	18.26	19.59
	6H	12.76	13.41	13.77	14.42	15.77	16.82	17.47	17.83	18.48	19.83
	8H	12.76	13.38	13.77	14.41	15.75	16.89	17.51	17.90	18.54	19.88
	12H	12.73	13.32	13.75	14.34	15.71	16.92	17.52	17.94	18.53	19.90
4H	2H	13.00	13.71	14.00	14.71	16.04	15.18	15.89	16.19	16.90	18.23
	3H	14.02	14.61	15.03	15.64	16.99	16.67	17.27	17.69	18.30	19.64
	4H	14.29	14.84	15.32	15.86	17.23	17.19	17.74	18.22	18.76	20.13
	6H	14.42	14.89	15.45	15.93	17.30	17.55	18.02	18.58	19.06	20.43
	8H	14.42	14.86	15.46	15.90	17.28	17.65	18.09	18.69	19.13	20.51
	12H	14.39	14.79	15.44	15.84	17.23	17.70	18.10	18.76	19.15	20.54
8H	4H	14.74	15.18	15.78	16.22	17.60	17.32	17.75	18.35	18.79	20.17
	6H	15.00	15.36	16.06	16.44	17.82	17.74	18.11	18.80	19.19	20.56
	8H	15.05	15.36	16.11	16.43	17.83	17.89	18.21	18.96	19.27	20.67
	12H	15.03	15.31	16.10	16.37	17.81	17.98	18.26	19.05	19.32	20.76
12H	4H	14.75	15.14	15.80	16.20	17.58	17.28	17.68	18.33	18.73	20.12
	6H	15.06	15.38	16.13	16.45	17.84	17.74	18.06	18.81	19.13	20.52
	8H	15.13	15.41	16.20	16.47	17.91	17.90	18.18	18.97	19.24	20.68