

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: P933844

Luminaire Tested: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P933844
REPORT IS A COMBINATION OF REPORTS P933676 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-8-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

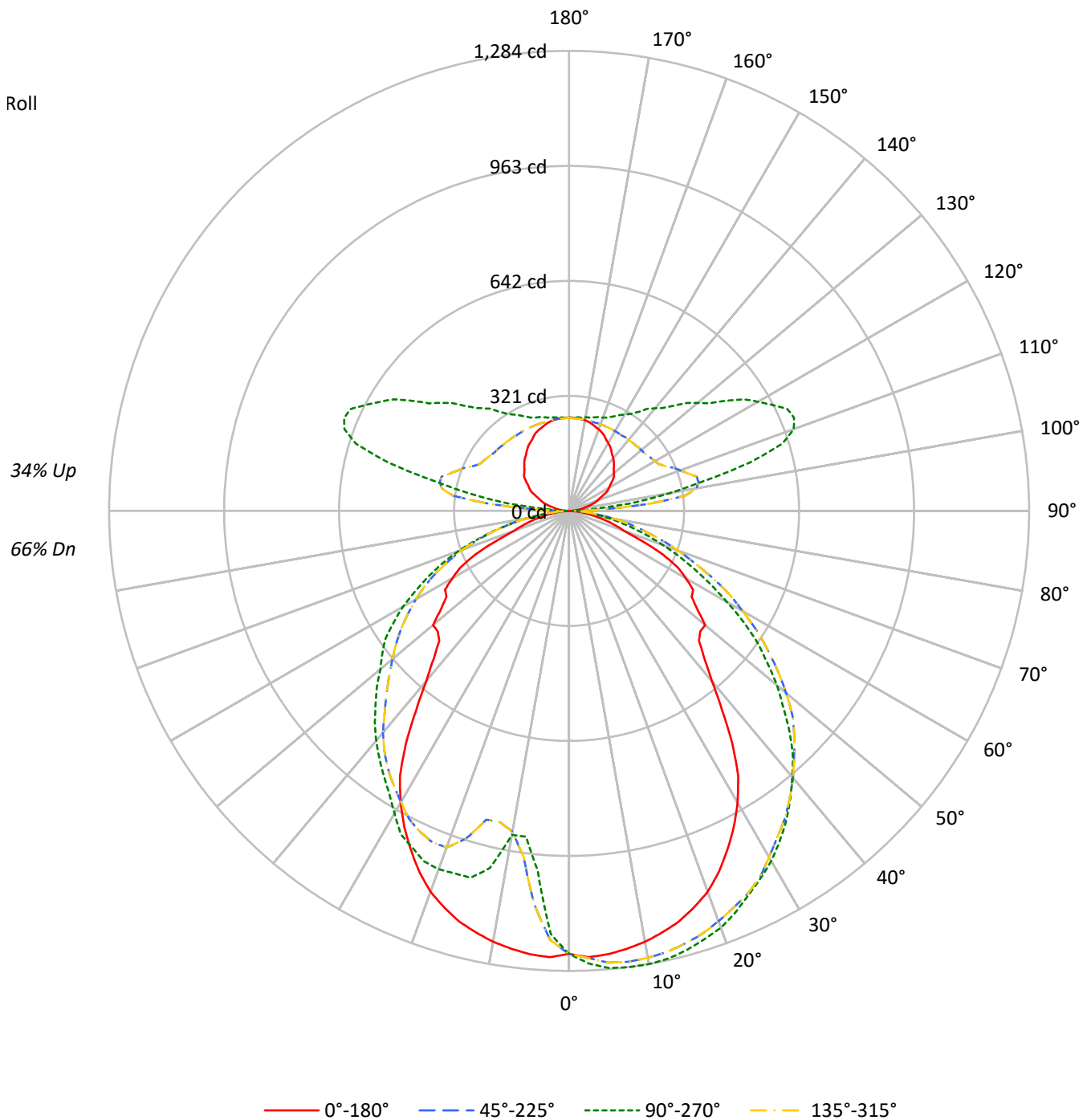
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4893.9 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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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	50	30	10	50	30	10	50	30	10	0																
RCR																																														
0	111	111	111	111	104	104	104	104	92	92	92	81	81	81	70	70	70	66																												
1	101	97	93	89	95	91	88	85	81	78	76	71	69	68	62	61	60	55																												
2	92	85	78	73	87	80	74	70	71	67	63	63	59	56	55	52	50	46																												
3	84	75	67	61	79	70	64	58	63	57	53	55	51	48	49	46	43	39																												
4	77	66	58	52	72	62	55	49	56	50	45	49	45	41	43	40	37	34																												
5	71	59	50	44	66	56	48	43	50	44	39	44	39	35	39	35	32	29																												
6	65	53	45	39	61	50	43	37	45	39	34	40	35	31	35	31	28	26																												
7	60	48	40	34	57	45	38	33	41	35	30	36	31	28	32	28	25	23																												
8	56	43	35	30	53	41	34	29	37	31	27	33	28	25	30	26	22	20																												
9	52	40	32	27	49	38	31	26	34	28	24	31	26	22	27	23	20	18																												
10	49	36	29	24	46	35	28	23	31	26	22	28	23	20	25	21	18	16																												

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5736	5736	5736	5736
5°	5779	5790	5779	4553
10°	5740	5704	5740	4078
15°	5678	5580	5678	4660
20°	5559	5433	5559	4669
25°	5316	5220	5316	4570
30°	5002	5043	5002	4353
35°	4459	4819	4459	4114
40°	3716	4555	3716	3934
45°	3320	4246	3320	3727
50°	3527	3878	3527	3519
55°	3318	3481	3318	3398
60°	3421	2956	3421	3112
65°	3101	2444	3101	2731
70°	2148	1948	2148	2290
75°	1884	1440	1884	1724
80°	1517	952	1517	1036
85°	871	504	871	429

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5088 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.6	2.3
10°-20°	316.9	6.5
20°-30°	489.8	10.0
30°-40°	584.7	11.9
40°-50°	588.2	12.0
50°-60°	511.8	10.5
60°-70°	362.9	7.4
70°-80°	192.0	3.9
80°-90°	48.8	1.0
90°-100°	126.9	2.6
100°-110°	333.6	6.8
110°-120°	345.9	7.1
120°-130°	277.4	5.7
130°-140°	217.7	4.4
140°-150°	167.1	3.4
150°-160°	120.3	2.5
160°-170°	73.6	1.5
170°-180°	24.9	0.5
0°-30°	918.3	18.8
0°-40°	1503.0	30.7
0°-60°	2603.0	53.2
0°-90°	3206.6	65.5
90°-120°	806.3	16.5
90°-150°	1468.5	30.0
90°-180°	1687.0	34.5
0°-180°	4893.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1236	1236	1236	1236	1236	
5°	1242	1281	1242	1007	1242	118
15°	1186	1269	1186	1060	1186	334
25°	1044	1184	1044	1036	1044	480
35°	794	1056	794	902	794	491
45°	512	870	512	764	512	410
55°	418	642	418	627	418	384
65°	290	387	290	433	290	277
75°	110	184	110	220	110	116
85°	19	47	19	40	19	25
90°	2	7	2	7	2	2
95°	17	77	17	77	17	19
105°	60	522	60	522	60	64
115°	107	672	107	672	107	105
125°	148	536	148	536	148	132
135°	177	416	177	416	177	137
145°	205	337	205	337	205	129
155°	232	290	232	290	232	107
165°	250	270	250	270	250	71
175°	260	262	260	262	260	25
180°	260	260	260	260	260	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4
2.5°	1246.8	1246.8	1253.9	1256.3	1256.3	1252.7	1249.2	1252.7	1263.2	1266.7	1265.6
5°	1242.2	1251.5	1264.4	1266.7	1269.1	1267.9	1265.6	1267.9	1279.6	1282.0	1283.1
7.5°	1232.8	1250.4	1266.7	1270.3	1273.8	1270.3	1269.1	1271.4	1283.1	1285.5	1285.5
10°	1221.1	1245.7	1264.4	1266.7	1270.3	1266.7	1266.7	1271.4	1283.1	1285.5	1286.6
12.5°	1204.7	1238.6	1256.3	1258.5	1263.2	1262.1	1260.9	1265.6	1277.3	1279.6	1279.6
15°	1186.1	1225.8	1242.2	1244.5	1252.7	1250.4	1250.4	1255.0	1267.9	1271.4	1270.3
17.5°	1160.3	1209.4	1228.2	1231.7	1237.5	1236.4	1237.5	1242.2	1253.9	1256.3	1257.4
20°	1131.0	1187.2	1209.4	1212.9	1218.8	1218.8	1218.8	1224.6	1236.4	1241.0	1241.0
22.5°	1091.3	1163.8	1187.2	1189.5	1196.6	1196.6	1198.9	1207.1	1217.6	1218.8	1218.8
25°	1044.5	1138.1	1158.0	1165.0	1172.0	1175.5	1179.0	1183.7	1187.2	1186.1	1187.2
27.5°	995.4	1105.3	1131.0	1135.7	1145.1	1148.6	1153.3	1154.5	1155.6	1159.1	1156.8
30°	940.4	1059.7	1098.3	1103.0	1118.2	1120.6	1115.9	1118.2	1124.1	1126.4	1128.8
32.5°	878.4	991.9	1064.4	1075.0	1089.0	1081.9	1080.8	1084.3	1093.6	1093.6	1096.0
35°	794.2	939.3	1032.8	1042.2	1052.7	1044.5	1049.2	1050.4	1056.2	1059.7	1058.6
37.5°	701.8	893.7	1000.0	1007.1	1015.3	1004.8	1011.7	1015.3	1019.9	1017.6	1017.6
40°	619.9	822.2	961.5	966.1	973.2	965.0	972.0	974.3	976.7	974.3	973.2
42.5°	559.1	743.9	920.5	926.4	921.7	927.6	929.8	934.6	931.1	926.4	926.4
45°	512.3	722.8	876.0	883.1	876.0	885.5	889.0	889.0	878.4	876.0	874.9
47.5°	497.1	680.7	831.7	831.7	828.1	839.9	845.7	837.5	826.9	823.5	823.5
50°	495.9	634.0	770.8	766.2	782.5	796.5	790.7	782.5	774.3	761.5	761.5
52.5°	450.3	576.7	692.5	710.0	735.7	743.9	734.5	726.4	712.4	706.4	701.8
55°	417.5	517.0	621.1	656.2	683.1	693.6	676.1	667.9	646.8	643.3	640.9
57.5°	410.6	430.4	555.6	600.0	632.7	631.6	621.1	605.9	588.4	584.9	583.7
60°	376.6	311.1	485.4	538.0	572.0	568.5	559.1	545.0	528.7	526.4	524.0
62.5°	341.6	225.8	405.8	465.5	513.5	512.3	504.1	483.1	471.3	465.5	460.9
65°	290.0	189.5	288.9	387.2	456.2	458.5	441.0	425.7	412.9	405.8	404.7
67.5°	221.1	154.4	195.3	322.8	401.2	398.9	376.6	369.7	353.3	349.8	342.7
70°	163.8	102.9	135.7	262.0	347.4	341.6	324.0	315.9	300.6	292.4	287.8
72.5°	135.7	83.0	99.4	203.5	292.4	285.4	270.2	260.8	248.0	240.9	236.2
75°	110.0	87.7	76.0	150.9	237.5	232.7	218.7	209.4	198.8	189.5	190.6
77.5°	80.8	81.9	60.8	111.1	188.4	181.3	173.1	161.4	156.7	147.4	147.4
80°	60.8	64.4	45.6	76.0	135.7	135.7	128.6	120.5	112.3	107.6	107.6
82.5°	40.9	40.9	33.9	48.0	92.4	88.9	84.2	81.9	77.2	74.8	74.8
85°	18.7	23.4	21.0	29.2	50.3	52.7	52.7	50.3	49.1	46.8	48.0
87.5°	5.8	10.6	12.9	16.4	25.7	26.9	28.1	28.1	28.1	29.2	29.2
90°	1.7	3.1	4.5	4.9	7.7	11.4	13.3	11.8	8.8	6.6	6.6
92.5°	7.0	18.8	30.8	33.7	47.4	65.7	74.7	65.5	47.1	33.2	31.9
95°	16.7	38.5	60.3	65.7	116.6	184.5	218.5	195.0	148.0	112.7	108.7
97.5°	29.0	48.2	67.3	72.1	157.1	270.3	327.0	312.2	282.5	260.1	252.5
100°	38.5	55.8	73.2	77.5	171.8	297.5	360.3	361.5	363.6	365.3	356.2
102.5°	46.5	62.7	78.9	82.9	178.6	306.1	369.8	388.8	426.6	455.0	447.3
105°	60.1	73.9	87.6	91.0	183.7	307.0	368.8	411.3	496.2	559.8	555.7
107.5°	74.0	86.9	99.7	102.9	184.5	293.4	347.8	407.0	525.5	614.3	615.4
110°	83.5	95.1	106.6	109.5	183.1	281.2	330.3	396.5	529.0	628.3	632.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	92.8	103.8	114.8	117.6	183.2	270.7	314.5	382.2	517.7	619.4	626.1
115°	106.7	116.9	127.1	129.6	184.9	258.6	295.4	360.7	491.3	589.2	598.5
117.5°	120.5	129.8	139.0	141.4	188.4	251.0	282.3	341.2	459.0	547.5	557.8
120°	128.5	137.3	146.0	148.2	191.1	248.4	277.0	330.8	438.5	519.3	529.2
122.5°	136.4	145.2	154.0	156.2	195.2	247.0	273.0	321.5	418.5	491.2	501.1
125°	148.5	156.5	164.5	166.5	200.6	246.0	268.7	309.8	392.2	454.0	463.1
127.5°	158.3	166.3	174.4	176.4	206.0	245.3	265.0	300.4	371.1	424.2	431.8
130°	163.5	172.2	180.9	183.0	209.9	245.7	263.6	295.1	358.1	405.2	412.3
132.5°	168.9	177.6	186.3	188.4	213.1	246.0	262.4	290.6	346.9	389.2	395.6
135°	176.9	184.9	192.8	194.8	216.6	245.7	260.3	283.9	331.1	366.5	371.9
137.5°	185.1	193.0	200.8	202.8	221.8	247.2	260.0	279.9	319.8	349.7	354.1
140°	191.9	199.2	206.4	208.2	225.1	247.5	258.7	276.0	310.4	336.3	340.4
142.5°	197.3	203.9	210.6	212.3	227.8	248.4	258.7	273.9	304.2	326.8	330.4
145°	205.3	211.1	216.9	218.4	231.3	248.4	257.0	269.4	294.1	312.7	315.4
147.5°	213.3	219.0	224.6	226.0	236.3	250.1	257.0	266.8	286.2	300.8	303.0
150°	218.5	223.7	228.7	230.0	239.0	251.0	257.0	265.2	281.7	294.0	295.8
152.5°	223.9	227.8	231.7	232.7	240.8	251.6	257.0	264.0	278.0	288.6	290.0
155°	232.0	234.8	237.7	238.4	244.6	252.9	257.0	262.6	273.7	282.1	283.0
157.5°	237.9	240.7	243.5	244.2	248.4	254.1	257.0	261.3	270.0	276.5	277.1
160°	241.9	244.1	246.3	246.8	250.2	254.7	257.0	260.7	268.2	273.7	274.1
162.5°	245.9	247.6	249.1	249.6	252.0	255.3	257.0	260.1	266.4	271.1	271.5
165°	250.4	251.8	253.3	253.7	254.8	256.3	257.0	259.3	263.7	267.1	267.5
167.5°	254.4	255.1	255.8	255.9	256.9	258.1	258.7	260.2	263.2	265.4	265.5
170°	257.0	257.7	258.4	258.6	258.6	258.7	258.7	260.2	263.2	265.4	265.4
172.5°	258.4	258.6	258.7	258.7	258.7	258.7	258.7	259.9	262.2	264.0	263.8
175°	260.3	260.3	260.3	260.3	259.8	259.1	258.7	259.4	260.9	262.0	262.0
177.5°	260.3	260.3	260.3	260.3	259.9	259.3	259.1	259.7	260.8	261.7	261.5
180°	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4
2.5°	1267.9	1264.4	1267.9	1265.6	1266.7	1263.2	1252.7	1249.2	1252.7	1256.3	1256.3
5°	1283.1	1280.8	1283.1	1283.1	1282.0	1279.6	1267.9	1265.6	1267.9	1269.1	1266.7
7.5°	1287.8	1284.3	1287.8	1285.5	1285.5	1283.1	1271.4	1269.1	1270.3	1273.8	1270.3
10°	1287.8	1284.3	1287.8	1286.6	1285.5	1283.1	1271.4	1266.7	1266.7	1270.3	1266.7
12.5°	1282.0	1279.6	1282.0	1279.6	1279.6	1277.3	1265.6	1260.9	1262.1	1263.2	1258.5
15°	1272.6	1269.1	1272.6	1270.3	1271.4	1267.9	1255.0	1250.4	1250.4	1252.7	1244.5
17.5°	1258.5	1253.9	1258.5	1257.4	1256.3	1253.9	1242.2	1237.5	1236.4	1237.5	1231.7
20°	1242.2	1238.6	1242.2	1241.0	1241.0	1236.4	1224.6	1218.8	1218.8	1218.8	1212.9
22.5°	1216.5	1212.9	1216.5	1218.8	1218.8	1217.6	1207.1	1198.9	1196.6	1196.6	1189.5
25°	1187.2	1183.7	1187.2	1187.2	1186.1	1187.2	1183.7	1179.0	1175.5	1172.0	1165.0
27.5°	1159.1	1156.8	1159.1	1156.8	1159.1	1155.6	1154.5	1153.3	1148.6	1145.1	1135.7
30°	1131.0	1128.8	1131.0	1128.8	1126.4	1124.1	1118.2	1115.9	1120.6	1118.2	1103.0
32.5°	1096.0	1093.6	1096.0	1096.0	1093.6	1093.6	1084.3	1080.8	1081.9	1089.0	1075.0
35°	1059.7	1056.2	1059.7	1058.6	1059.7	1056.2	1050.4	1049.2	1044.5	1052.7	1042.2
37.5°	1017.6	1014.1	1017.6	1017.6	1017.6	1019.9	1015.3	1011.7	1004.8	1015.3	1007.1
40°	974.3	969.6	974.3	973.2	974.3	976.7	974.3	972.0	965.0	973.2	966.1
42.5°	925.2	924.0	925.2	926.4	926.4	931.1	934.6	929.8	927.6	921.7	926.4
45°	872.6	870.2	872.6	874.9	876.0	878.4	889.0	889.0	885.5	876.0	883.1
47.5°	816.4	810.6	816.4	823.5	823.5	826.9	837.5	845.7	839.9	828.1	831.7
50°	756.8	758.0	756.8	761.5	761.5	774.3	782.5	790.7	796.5	782.5	766.2
52.5°	698.3	697.1	698.3	701.8	706.4	712.4	726.4	734.5	743.9	735.7	710.0
55°	639.8	642.2	639.8	640.9	643.3	646.8	667.9	676.1	693.6	683.1	656.2
57.5°	581.3	577.8	581.3	583.7	584.9	588.4	605.9	621.1	631.6	632.7	600.0
60°	513.5	508.8	513.5	524.0	526.4	528.7	545.0	559.1	568.5	572.0	538.0
62.5°	453.8	445.6	453.8	460.9	465.5	471.3	483.1	504.1	512.3	513.5	465.5
65°	390.7	387.2	390.7	404.7	405.8	412.9	425.7	441.0	458.5	456.2	387.2
67.5°	333.4	333.4	333.4	342.7	349.8	353.3	369.7	376.6	398.9	401.2	322.8
70°	280.7	279.6	280.7	287.8	292.4	300.6	315.9	324.0	341.6	347.4	262.0
72.5°	230.4	229.3	230.4	236.2	240.9	248.0	260.8	270.2	285.4	292.4	203.5
75°	186.0	183.7	186.0	190.6	189.5	198.8	209.4	218.7	232.7	237.5	150.9
77.5°	142.7	142.7	142.7	147.4	147.4	156.7	161.4	173.1	181.3	188.4	111.1
80°	106.5	105.3	106.5	107.6	107.6	112.3	120.5	128.6	135.7	135.7	76.0
82.5°	74.8	72.6	74.8	74.8	74.8	77.2	81.9	84.2	88.9	92.4	48.0
85°	46.8	46.8	46.8	48.0	46.8	49.1	50.3	52.7	52.7	50.3	29.2
87.5°	30.4	29.2	30.4	29.2	29.2	28.1	28.1	28.1	26.9	25.7	16.4
90°	6.6	6.6	6.6	6.6	6.6	8.8	11.8	13.3	11.4	7.7	4.9
92.5°	26.6	21.3	26.6	31.9	33.2	47.1	65.5	74.7	65.7	47.4	33.7
95°	92.7	76.7	92.7	108.7	112.7	148.0	195.0	218.5	184.5	116.6	65.7
97.5°	222.0	191.6	222.0	252.5	260.1	282.5	312.2	327.0	270.3	157.1	72.1
100°	319.9	283.7	319.9	356.2	365.3	363.6	361.5	360.3	297.5	171.8	77.5
102.5°	416.2	385.2	416.2	447.3	455.0	426.6	388.8	369.8	306.1	178.6	82.9
105°	539.0	522.3	539.0	555.7	559.8	496.2	411.3	368.8	307.0	183.7	91.0
107.5°	619.4	623.4	619.4	615.4	614.3	525.5	407.0	347.8	293.4	184.5	102.9
110°	650.0	667.5	650.0	632.7	628.3	529.0	396.5	330.3	281.2	183.1	109.5



TEST NUMBER: P933844

CATALOG NUMBER: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	652.8	679.5	652.8	626.1	619.4	517.7	382.2	314.5	270.7	183.2	117.6
115°	635.5	672.5	635.5	598.5	589.2	491.3	360.7	295.4	258.6	184.9	129.6
117.5°	598.8	639.9	598.8	557.8	547.5	459.0	341.2	282.3	251.0	188.4	141.4
120°	569.2	609.1	569.2	529.2	519.3	438.5	330.8	277.0	248.4	191.1	148.2
122.5°	540.4	579.7	540.4	501.1	491.2	418.5	321.5	273.0	247.0	195.2	156.2
125°	499.3	535.6	499.3	463.1	454.0	392.2	309.8	268.7	246.0	200.6	166.5
127.5°	462.4	493.0	462.4	431.8	424.2	371.1	300.4	265.0	245.3	206.0	176.4
130°	440.6	468.8	440.6	412.3	405.2	358.1	295.1	263.6	245.7	209.9	183.0
132.5°	420.8	446.1	420.8	395.6	389.2	346.9	290.6	262.4	246.0	213.1	188.4
135°	393.7	415.5	393.7	371.9	366.5	331.1	283.9	260.3	245.7	216.6	194.8
137.5°	372.0	389.9	372.0	354.1	349.7	319.8	279.9	260.0	247.2	221.8	202.8
140°	357.1	373.8	357.1	340.4	336.3	310.4	276.0	258.7	247.5	225.1	208.2
142.5°	344.8	359.1	344.8	330.4	326.8	304.2	273.9	258.7	248.4	227.8	212.3
145°	326.3	337.1	326.3	315.4	312.7	294.1	269.4	257.0	248.4	231.3	218.4
147.5°	312.0	321.1	312.0	303.0	300.8	286.2	266.8	257.0	250.1	236.3	226.0
150°	303.1	310.4	303.1	295.8	294.0	281.7	265.2	257.0	251.0	239.0	230.0
152.5°	295.4	300.9	295.4	290.0	288.6	278.0	264.0	257.0	251.6	240.8	232.7
155°	286.6	290.3	286.6	283.0	282.1	273.7	262.6	257.0	252.9	244.6	238.4
157.5°	279.7	282.3	279.7	277.1	276.5	270.0	261.3	257.0	254.1	248.4	244.2
160°	275.6	277.0	275.6	274.1	273.7	268.2	260.7	257.0	254.7	250.2	246.8
162.5°	272.9	274.3	272.9	271.5	271.1	266.4	260.1	257.0	255.3	252.0	249.6
165°	268.9	270.4	268.9	267.5	267.1	263.7	259.3	257.0	256.3	254.8	253.7
167.5°	266.1	266.8	266.1	265.5	265.4	263.2	260.2	258.7	258.1	256.9	255.9
170°	265.4	265.4	265.4	265.4	265.4	263.2	260.2	258.7	258.7	258.6	258.6
172.5°	263.3	262.7	263.3	263.8	264.0	262.2	259.9	258.7	258.7	258.7	258.7
175°	262.0	262.0	262.0	262.0	262.0	260.9	259.4	258.7	259.1	259.8	260.3
177.5°	260.9	260.3	260.9	261.5	261.7	260.8	259.7	259.1	259.3	259.9	260.3
180°	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3



TEST NUMBER: P933844

CATALOG NUMBER: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4
2.5°	1253.9	1246.8	1246.8	1235.1	1230.5	1227.0	1221.1	1203.6	1198.9	1194.3	1201.2
5°	1264.4	1251.5	1242.2	1221.1	1203.6	1196.6	1174.4	1132.2	1104.2	1083.1	1071.4
7.5°	1266.7	1250.4	1232.8	1200.1	1158.0	1139.2	1071.4	994.2	973.2	954.4	942.8
10°	1264.4	1245.7	1221.1	1172.0	1072.6	1039.8	972.0	921.7	908.8	905.3	908.8
12.5°	1256.3	1238.6	1204.7	1122.9	983.7	961.5	921.7	892.4	890.1	895.9	927.6
15°	1242.2	1225.8	1186.1	1057.3	934.6	918.2	890.1	879.6	892.4	933.4	1028.1
17.5°	1228.2	1209.4	1160.3	993.1	897.1	885.5	865.6	886.6	959.2	1014.1	1045.7
20°	1209.4	1187.2	1131.0	946.2	870.2	859.7	850.3	945.1	1000.0	1019.9	1037.5
22.5°	1187.2	1163.8	1091.3	913.5	842.1	834.0	839.9	977.8	1000.0	1014.1	1029.3
25°	1158.0	1138.1	1044.5	887.8	820.0	810.6	832.8	974.3	987.2	990.7	1021.2
27.5°	1131.0	1105.3	995.4	864.4	793.0	789.5	838.6	959.2	968.5	972.0	1004.8
30°	1098.3	1059.7	940.4	839.9	764.9	763.8	839.9	940.4	938.0	947.5	980.2
32.5°	1064.4	991.9	878.4	809.4	738.1	736.9	831.7	912.3	910.0	922.9	947.5
35°	1032.8	939.3	794.2	774.3	704.2	705.3	811.8	879.6	880.8	892.4	907.7
37.5°	1000.0	893.7	701.8	735.7	671.4	671.4	784.8	849.2	846.8	850.3	871.4
40°	961.5	822.2	619.9	685.4	640.9	637.5	752.1	816.4	808.2	807.1	836.3
42.5°	920.5	743.9	559.1	618.8	605.9	601.2	712.4	776.6	761.5	764.9	802.4
45°	876.0	722.8	512.3	522.9	569.6	566.1	669.0	731.0	720.5	729.9	768.4
47.5°	831.7	680.7	497.1	433.9	531.1	529.8	621.1	686.6	680.7	690.1	731.0
50°	770.8	634.0	495.9	371.9	487.7	492.4	563.8	643.3	643.3	651.5	694.7
52.5°	692.5	576.7	450.3	336.9	437.4	451.5	513.5	605.9	608.2	616.4	655.0
55°	621.1	517.0	417.5	309.9	377.8	408.2	464.4	567.3	572.0	580.2	615.2
57.5°	555.6	430.4	410.6	278.4	322.8	352.0	421.1	529.8	532.2	539.2	573.1
60°	485.4	311.1	376.6	244.4	274.9	297.1	381.3	485.4	493.6	498.3	527.5
62.5°	405.8	225.8	341.6	221.1	251.5	256.1	348.6	443.3	453.8	457.4	474.9
65°	288.9	189.5	290.0	201.2	226.9	228.1	313.5	400.0	409.4	415.3	428.1
67.5°	195.3	154.4	221.1	182.4	208.2	209.4	279.6	349.8	362.6	367.3	375.5
70°	135.7	102.9	163.8	162.5	187.1	189.5	243.3	304.1	315.9	319.3	324.0
72.5°	99.4	83.0	135.7	146.2	164.9	167.3	205.9	252.6	264.3	267.9	270.2
75°	76.0	87.7	110.0	127.5	140.4	141.5	168.4	205.9	214.1	216.4	217.6
77.5°	60.8	81.9	80.8	102.9	114.6	112.3	132.2	159.1	166.1	166.1	166.1
80°	45.6	64.4	60.8	73.7	84.2	81.9	94.7	113.5	115.8	118.2	116.9
82.5°	33.9	40.9	40.9	46.8	56.2	53.8	63.1	73.7	73.7	73.7	76.0
85°	21.0	23.4	18.7	24.6	31.6	30.4	35.1	39.8	40.9	40.9	38.6
87.5°	12.9	10.6	5.8	9.3	14.0	14.0	16.4	17.5	16.4	16.4	16.4
90°	4.5	3.1	1.7	3.1	4.5	4.9	7.7	11.4	13.3	11.8	8.8
92.5°	30.8	18.8	7.0	18.8	30.8	33.7	47.4	65.7	74.7	65.5	47.1
95°	60.3	38.5	16.7	38.5	60.3	65.7	116.6	184.5	218.5	195.0	148.0
97.5°	67.3	48.2	29.0	48.2	67.3	72.1	157.1	270.3	327.0	312.2	282.5
100°	73.2	55.8	38.5	55.8	73.2	77.5	171.8	297.5	360.3	361.5	363.6
102.5°	78.9	62.7	46.5	62.7	78.9	82.9	178.6	306.1	369.8	388.8	426.6
105°	87.6	73.9	60.1	73.9	87.6	91.0	183.7	307.0	368.8	411.3	496.2
107.5°	99.7	86.9	74.0	86.9	99.7	102.9	184.5	293.4	347.8	407.0	525.5
110°	106.6	95.1	83.5	95.1	106.6	109.5	183.1	281.2	330.3	396.5	529.0



TEST NUMBER: P933844

CATALOG NUMBER: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	114.8	103.8	92.8	103.8	114.8	117.6	183.2	270.7	314.5	382.2	517.7
115°	127.1	116.9	106.7	116.9	127.1	129.6	184.9	258.6	295.4	360.7	491.3
117.5°	139.0	129.8	120.5	129.8	139.0	141.4	188.4	251.0	282.3	341.2	459.0
120°	146.0	137.3	128.5	137.3	146.0	148.2	191.1	248.4	277.0	330.8	438.5
122.5°	154.0	145.2	136.4	145.2	154.0	156.2	195.2	247.0	273.0	321.5	418.5
125°	164.5	156.5	148.5	156.5	164.5	166.5	200.6	246.0	268.7	309.8	392.2
127.5°	174.4	166.3	158.3	166.3	174.4	176.4	206.0	245.3	265.0	300.4	371.1
130°	180.9	172.2	163.5	172.2	180.9	183.0	209.9	245.7	263.6	295.1	358.1
132.5°	186.3	177.6	168.9	177.6	186.3	188.4	213.1	246.0	262.4	290.6	346.9
135°	192.8	184.9	176.9	184.9	192.8	194.8	216.6	245.7	260.3	283.9	331.1
137.5°	200.8	193.0	185.1	193.0	200.8	202.8	221.8	247.2	260.0	279.9	319.8
140°	206.4	199.2	191.9	199.2	206.4	208.2	225.1	247.5	258.7	276.0	310.4
142.5°	210.6	203.9	197.3	203.9	210.6	212.3	227.8	248.4	258.7	273.9	304.2
145°	216.9	211.1	205.3	211.1	216.9	218.4	231.3	248.4	257.0	269.4	294.1
147.5°	224.6	219.0	213.3	219.0	224.6	226.0	236.3	250.1	257.0	266.8	286.2
150°	228.7	223.7	218.5	223.7	228.7	230.0	239.0	251.0	257.0	265.2	281.7
152.5°	231.7	227.8	223.9	227.8	231.7	232.7	240.8	251.6	257.0	264.0	278.0
155°	237.7	234.8	232.0	234.8	237.7	238.4	244.6	252.9	257.0	262.6	273.7
157.5°	243.5	240.7	237.9	240.7	243.5	244.2	248.4	254.1	257.0	261.3	270.0
160°	246.3	244.1	241.9	244.1	246.3	246.8	250.2	254.7	257.0	260.7	268.2
162.5°	249.1	247.6	245.9	247.6	249.1	249.6	252.0	255.3	257.0	260.1	266.4
165°	253.3	251.8	250.4	251.8	253.3	253.7	254.8	256.3	257.0	259.3	263.7
167.5°	255.8	255.1	254.4	255.1	255.8	255.9	256.9	258.1	258.7	260.2	263.2
170°	258.4	257.7	257.0	257.7	258.4	258.6	258.6	258.7	258.7	260.2	263.2
172.5°	258.7	258.6	258.4	258.6	258.7	258.7	258.7	258.7	258.7	259.9	262.2
175°	260.3	260.3	260.3	260.3	260.3	260.3	259.8	259.1	258.7	259.4	260.9
177.5°	260.3	260.3	260.3	260.3	260.3	260.3	259.9	259.3	259.1	259.7	260.8
180°	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3



TEST NUMBER: P933844

CATALOG NUMBER: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4	1236.4
2.5°	1193.0	1189.5	1194.3	1181.3	1194.3	1189.5	1193.0	1201.2	1194.3	1198.9	1203.6
5°	1046.9	1041.0	1022.3	1007.1	1022.3	1041.0	1046.9	1071.4	1083.1	1104.2	1132.2
7.5°	935.7	931.1	926.4	917.0	926.4	931.1	935.7	942.8	954.4	973.2	994.2
10°	911.2	912.3	919.4	918.2	919.4	912.3	911.2	908.8	905.3	908.8	921.7
12.5°	974.3	984.9	1023.4	1021.2	1023.4	984.9	974.3	927.6	895.9	890.1	892.4
15°	1046.9	1050.4	1058.6	1059.7	1058.6	1050.4	1046.9	1028.1	933.4	892.4	879.6
17.5°	1053.9	1055.1	1060.9	1060.9	1060.9	1055.1	1053.9	1045.7	1014.1	959.2	886.6
20°	1048.0	1050.4	1062.1	1064.4	1062.1	1050.4	1048.0	1037.5	1019.9	1000.0	945.1
22.5°	1045.7	1050.4	1059.7	1058.6	1059.7	1050.4	1045.7	1029.3	1014.1	1000.0	977.8
25°	1034.0	1034.0	1035.2	1036.3	1035.2	1034.0	1034.0	1021.2	990.7	987.2	974.3
27.5°	1009.4	1011.7	1018.8	1017.6	1018.8	1011.7	1009.4	1004.8	972.0	968.5	959.2
30°	987.2	984.9	979.0	974.3	979.0	984.9	987.2	980.2	947.5	938.0	940.4
32.5°	949.7	943.9	938.0	934.6	938.0	943.9	949.7	947.5	922.9	910.0	912.3
35°	905.3	906.5	905.3	901.8	905.3	906.5	905.3	907.7	892.4	880.8	879.6
37.5°	873.8	876.0	874.9	870.2	874.9	876.0	873.8	871.4	850.3	846.8	849.2
40°	841.0	842.1	841.0	837.5	841.0	842.1	841.0	836.3	807.1	808.2	816.4
42.5°	809.4	808.2	804.7	802.4	804.7	808.2	809.4	802.4	764.9	761.5	776.6
45°	773.1	774.3	767.3	763.8	767.3	774.3	773.1	768.4	729.9	720.5	731.0
47.5°	736.9	736.9	731.0	727.5	731.0	736.9	736.9	731.0	690.1	680.7	686.6
50°	698.3	697.1	688.9	687.8	688.9	697.1	698.3	694.7	651.5	643.3	643.3
52.5°	653.9	653.9	655.0	657.3	655.0	653.9	653.9	655.0	616.4	608.2	605.9
55°	615.2	616.4	624.6	626.9	624.6	616.4	615.2	615.2	580.2	572.0	567.3
57.5°	575.5	575.5	581.3	581.3	581.3	575.5	575.5	573.1	539.2	532.2	529.8
60°	529.8	532.2	536.9	535.7	536.9	532.2	529.8	527.5	498.3	493.6	485.4
62.5°	481.9	484.2	485.4	483.1	485.4	484.2	481.9	474.9	457.4	453.8	443.3
65°	431.6	433.9	435.1	432.8	435.1	433.9	431.6	428.1	415.3	409.4	400.0
67.5°	380.1	379.0	377.8	382.5	377.8	379.0	380.1	375.5	367.3	362.6	349.8
70°	327.5	327.5	326.3	328.7	326.3	327.5	327.5	324.0	319.3	315.9	304.1
72.5°	271.4	270.2	274.9	271.4	274.9	270.2	271.4	270.2	267.9	264.3	252.6
75°	216.4	218.7	216.4	219.9	216.4	218.7	216.4	217.6	216.4	214.1	205.9
77.5°	164.9	167.3	164.9	164.9	164.9	167.3	164.9	166.1	166.1	166.1	159.1
80°	116.9	115.8	115.8	114.6	115.8	115.8	116.9	116.9	118.2	115.8	113.5
82.5°	74.8	73.7	73.7	76.0	73.7	73.7	74.8	76.0	73.7	73.7	73.7
85°	40.9	42.1	39.8	39.8	39.8	42.1	40.9	38.6	40.9	40.9	39.8
87.5°	15.2	14.0	14.0	14.0	14.0	14.0	15.2	16.4	16.4	16.4	17.5
90°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	8.8	11.8	13.3	11.4
92.5°	33.2	31.9	26.6	21.3	26.6	31.9	33.2	47.1	65.5	74.7	65.7
95°	112.7	108.7	92.7	76.7	92.7	108.7	112.7	148.0	195.0	218.5	184.5
97.5°	260.1	252.5	222.0	191.6	222.0	252.5	260.1	282.5	312.2	327.0	270.3
100°	365.3	356.2	319.9	283.7	319.9	356.2	365.3	363.6	361.5	360.3	297.5
102.5°	455.0	447.3	416.2	385.2	416.2	447.3	455.0	426.6	388.8	369.8	306.1
105°	559.8	555.7	539.0	522.3	539.0	555.7	559.8	496.2	411.3	368.8	307.0
107.5°	614.3	615.4	619.4	623.4	619.4	615.4	614.3	525.5	407.0	347.8	293.4
110°	628.3	632.7	650.0	667.5	650.0	632.7	628.3	529.0	396.5	330.3	281.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	619.4	626.1	652.8	679.5	652.8	626.1	619.4	517.7	382.2	314.5	270.7
115°	589.2	598.5	635.5	672.5	635.5	598.5	589.2	491.3	360.7	295.4	258.6
117.5°	547.5	557.8	598.8	639.9	598.8	557.8	547.5	459.0	341.2	282.3	251.0
120°	519.3	529.2	569.2	609.1	569.2	529.2	519.3	438.5	330.8	277.0	248.4
122.5°	491.2	501.1	540.4	579.7	540.4	501.1	491.2	418.5	321.5	273.0	247.0
125°	454.0	463.1	499.3	535.6	499.3	463.1	454.0	392.2	309.8	268.7	246.0
127.5°	424.2	431.8	462.4	493.0	462.4	431.8	424.2	371.1	300.4	265.0	245.3
130°	405.2	412.3	440.6	468.8	440.6	412.3	405.2	358.1	295.1	263.6	245.7
132.5°	389.2	395.6	420.8	446.1	420.8	395.6	389.2	346.9	290.6	262.4	246.0
135°	366.5	371.9	393.7	415.5	393.7	371.9	366.5	331.1	283.9	260.3	245.7
137.5°	349.7	354.1	372.0	389.9	372.0	354.1	349.7	319.8	279.9	260.0	247.2
140°	336.3	340.4	357.1	373.8	357.1	340.4	336.3	310.4	276.0	258.7	247.5
142.5°	326.8	330.4	344.8	359.1	344.8	330.4	326.8	304.2	273.9	258.7	248.4
145°	312.7	315.4	326.3	337.1	326.3	315.4	312.7	294.1	269.4	257.0	248.4
147.5°	300.8	303.0	312.0	321.1	312.0	303.0	300.8	286.2	266.8	257.0	250.1
150°	294.0	295.8	303.1	310.4	303.1	295.8	294.0	281.7	265.2	257.0	251.0
152.5°	288.6	290.0	295.4	300.9	295.4	290.0	288.6	278.0	264.0	257.0	251.6
155°	282.1	283.0	286.6	290.3	286.6	283.0	282.1	273.7	262.6	257.0	252.9
157.5°	276.5	277.1	279.7	282.3	279.7	277.1	276.5	270.0	261.3	257.0	254.1
160°	273.7	274.1	275.6	277.0	275.6	274.1	273.7	268.2	260.7	257.0	254.7
162.5°	271.1	271.5	272.9	274.3	272.9	271.5	271.1	266.4	260.1	257.0	255.3
165°	267.1	267.5	268.9	270.4	268.9	267.5	267.1	263.7	259.3	257.0	256.3
167.5°	265.4	265.5	266.1	266.8	266.1	265.5	265.4	263.2	260.2	258.7	258.1
170°	265.4	265.4	265.4	265.4	265.4	265.4	265.4	263.2	260.2	258.7	258.7
172.5°	264.0	263.8	263.3	262.7	263.3	263.8	264.0	262.2	259.9	258.7	258.7
175°	262.0	262.0	262.0	262.0	262.0	262.0	262.0	260.9	259.4	258.7	259.1
177.5°	261.7	261.5	260.9	260.3	260.9	261.5	261.7	260.8	259.7	259.1	259.3
180°	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3	260.3



TEST NUMBER: P933844

CATALOG NUMBER: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1236.4	1236.4	1236.4	1236.4	1236.4
2.5°	1221.1	1227.0	1230.5	1235.1	1246.8
5°	1174.4	1196.6	1203.6	1221.1	1242.2
7.5°	1071.4	1139.2	1158.0	1200.1	1232.8
10°	972.0	1039.8	1072.6	1172.0	1221.1
12.5°	921.7	961.5	983.7	1122.9	1204.7
15°	890.1	918.2	934.6	1057.3	1186.1
17.5°	865.6	885.5	897.1	993.1	1160.3
20°	850.3	859.7	870.2	946.2	1131.0
22.5°	839.9	834.0	842.1	913.5	1091.3
25°	832.8	810.6	820.0	887.8	1044.5
27.5°	838.6	789.5	793.0	864.4	995.4
30°	839.9	763.8	764.9	839.9	940.4
32.5°	831.7	736.9	738.1	809.4	878.4
35°	811.8	705.3	704.2	774.3	794.2
37.5°	784.8	671.4	671.4	735.7	701.8
40°	752.1	637.5	640.9	685.4	619.9
42.5°	712.4	601.2	605.9	618.8	559.1
45°	669.0	566.1	569.6	522.9	512.3
47.5°	621.1	529.8	531.1	433.9	497.1
50°	563.8	492.4	487.7	371.9	495.9
52.5°	513.5	451.5	437.4	336.9	450.3
55°	464.4	408.2	377.8	309.9	417.5
57.5°	421.1	352.0	322.8	278.4	410.6
60°	381.3	297.1	274.9	244.4	376.6
62.5°	348.6	256.1	251.5	221.1	341.6
65°	313.5	228.1	226.9	201.2	290.0
67.5°	279.6	209.4	208.2	182.4	221.1
70°	243.3	189.5	187.1	162.5	163.8
72.5°	205.9	167.3	164.9	146.2	135.7
75°	168.4	141.5	140.4	127.5	110.0
77.5°	132.2	112.3	114.6	102.9	80.8
80°	94.7	81.9	84.2	73.7	60.8
82.5°	63.1	53.8	56.2	46.8	40.9
85°	35.1	30.4	31.6	24.6	18.7
87.5°	16.4	14.0	14.0	9.3	5.8
90°	7.7	4.9	4.5	3.1	1.7
92.5°	47.4	33.7	30.8	18.8	7.0
95°	116.6	65.7	60.3	38.5	16.7
97.5°	157.1	72.1	67.3	48.2	29.0
100°	171.8	77.5	73.2	55.8	38.5
102.5°	178.6	82.9	78.9	62.7	46.5
105°	183.7	91.0	87.6	73.9	60.1
107.5°	184.5	102.9	99.7	86.9	74.0
110°	183.1	109.5	106.6	95.1	83.5



TEST NUMBER: P933844

CATALOG NUMBER: SQ4-FA-025U-050D-92765-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	183.2	117.6	114.8	103.8	92.8
115°	184.9	129.6	127.1	116.9	106.7
117.5°	188.4	141.4	139.0	129.8	120.5
120°	191.1	148.2	146.0	137.3	128.5
122.5°	195.2	156.2	154.0	145.2	136.4
125°	200.6	166.5	164.5	156.5	148.5
127.5°	206.0	176.4	174.4	166.3	158.3
130°	209.9	183.0	180.9	172.2	163.5
132.5°	213.1	188.4	186.3	177.6	168.9
135°	216.6	194.8	192.8	184.9	176.9
137.5°	221.8	202.8	200.8	193.0	185.1
140°	225.1	208.2	206.4	199.2	191.9
142.5°	227.8	212.3	210.6	203.9	197.3
145°	231.3	218.4	216.9	211.1	205.3
147.5°	236.3	226.0	224.6	219.0	213.3
150°	239.0	230.0	228.7	223.7	218.5
152.5°	240.8	232.7	231.7	227.8	223.9
155°	244.6	238.4	237.7	234.8	232.0
157.5°	248.4	244.2	243.5	240.7	237.9
160°	250.2	246.8	246.3	244.1	241.9
162.5°	252.0	249.6	249.1	247.6	245.9
165°	254.8	253.7	253.3	251.8	250.4
167.5°	256.9	255.9	255.8	255.1	254.4
170°	258.6	258.6	258.4	257.7	257.0
172.5°	258.7	258.7	258.7	258.6	258.4
175°	259.8	260.3	260.3	260.3	260.3
177.5°	259.9	260.3	260.3	260.3	260.3
180°	260.3	260.3	260.3	260.3	260.3



TEST NUMBER: P933844
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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	12.20	13.22	13.01	14.05	15.08	15.04	16.06	15.85	16.89	17.92
	3H	12.69	13.60	13.51	14.45	15.50	16.40	17.31	17.22	18.15	19.21
	4H	12.88	13.75	13.73	14.60	15.67	16.85	17.71	17.69	18.56	19.63
	6H	13.01	13.81	13.87	14.67	15.75	17.14	17.94	18.00	18.80	19.88
	8H	13.02	13.78	13.88	14.65	15.74	17.22	17.98	18.09	18.86	19.94
	12H	12.99	13.72	13.86	14.59	15.70	17.27	17.99	18.14	18.86	19.97
4H	2H	13.25	14.12	14.10	14.97	16.04	15.46	16.33	16.31	17.18	18.25
	3H	14.29	15.01	15.15	15.90	16.98	16.99	17.71	17.84	18.59	19.68
	4H	14.58	15.23	15.45	16.11	17.23	17.52	18.18	18.39	19.06	20.17
	6H	14.71	15.28	15.60	16.18	17.30	17.90	18.47	18.79	19.37	20.49
	8H	14.72	15.25	15.61	16.15	17.28	18.01	18.54	18.90	19.44	20.57
	12H	14.69	15.17	15.60	16.09	17.22	18.08	18.55	18.99	19.47	20.61
8H	4H	15.04	15.57	15.93	16.47	17.60	17.66	18.19	18.55	19.09	20.22
	6H	15.31	15.75	16.23	16.69	17.82	18.11	18.54	19.02	19.49	20.61
	8H	15.36	15.74	16.28	16.68	17.82	18.26	18.65	19.19	19.58	20.73
	12H	15.35	15.69	16.28	16.62	17.81	18.37	18.71	19.30	19.64	20.83
12H	4H	15.06	15.53	15.97	16.45	17.59	17.63	18.11	18.54	19.03	20.16
	6H	15.37	15.76	16.30	16.70	17.84	18.10	18.49	19.03	19.43	20.57
	8H	15.45	15.79	16.38	16.72	17.91	18.27	18.62	19.20	19.54	20.74