

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: P934928

Luminaire Tested: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934928
REPORT IS A COMBINATION OF REPORTS P933717 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

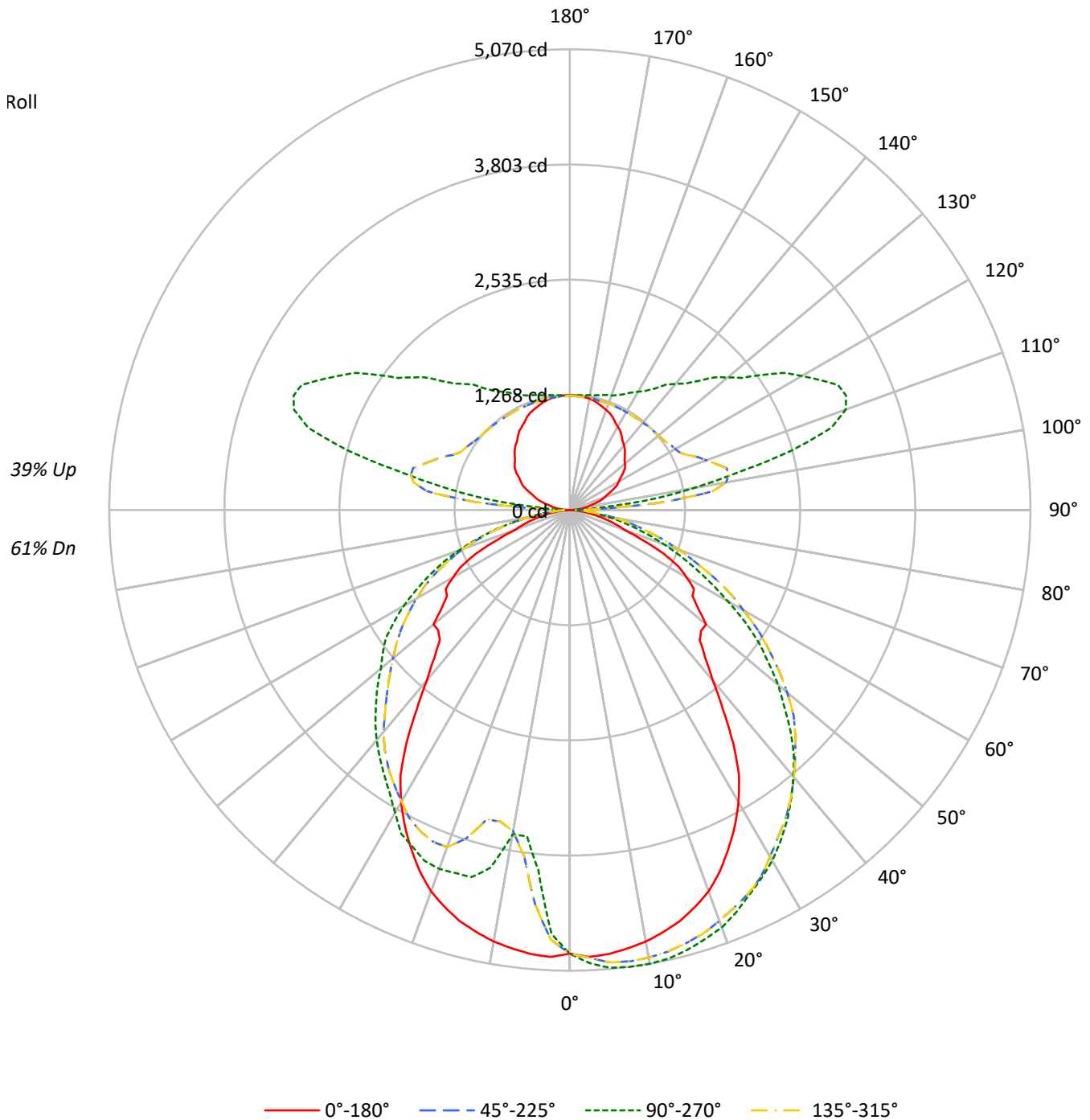
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20831.6 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 186
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	
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	0
RCR																		
0	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	61
1	100	96	92	88	94	90	86	83	79	76	74	68	66	65	59	57	56	51
2	91	84	78	72	85	79	73	68	69	65	61	60	57	54	52	49	47	43
3	83	74	66	60	78	69	63	57	61	56	51	53	49	46	46	43	40	36
4	76	65	57	51	71	61	54	49	54	48	44	47	43	39	41	37	35	31
5	70	58	50	44	65	55	47	42	48	42	38	42	38	34	37	33	30	27
6	65	52	44	38	60	49	42	36	44	37	33	38	33	30	33	29	26	24
7	60	47	39	33	56	45	37	32	39	33	29	35	30	26	30	26	23	21
8	55	43	35	29	52	40	33	28	36	30	26	32	27	23	28	24	21	19
9	52	39	31	26	48	37	30	25	33	27	23	29	24	21	26	22	19	17
10	48	36	29	24	45	34	27	23	30	25	21	27	22	19	24	20	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15098	15098	15098	15098
5°	15216	15240	15216	11984
10°	15120	15012	15120	10733
15°	14961	14687	14961	12264
20°	14654	14302	14654	12290
25°	14019	13740	14019	12029
30°	13197	13273	13197	11458
35°	11771	12683	11771	10829
40°	9814	11988	9814	10354
45°	8774	11175	8774	9808
50°	9329	10205	9329	9260
55°	8785	9160	8785	8943
60°	9068	7780	9068	8191
65°	8234	6432	8234	7189
70°	5716	5125	5716	6026
75°	5031	3789	5031	4537
80°	4084	2505	4084	2727
85°	2395	1327	2395	1128

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13439 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.6	2.1
10°-20°	1251.0	6.0
20°-30°	1933.8	9.3
30°-40°	2308.6	11.1
40°-50°	2322.1	11.1
50°-60°	2020.5	9.7
60°-70°	1432.6	6.9
70°-80°	757.9	3.6
80°-90°	193.6	0.9
90°-100°	614.4	2.9
100°-110°	1615.3	7.8
110°-120°	1674.9	8.0
120°-130°	1343.5	6.4
130°-140°	1054.2	5.1
140°-150°	809.1	3.9
150°-160°	582.7	2.8
160°-170°	356.5	1.7
170°-180°	120.5	0.6
0°-30°	3625.4	17.4
0°-40°	5934.0	28.5
0°-60°	10276.5	49.3
0°-90°	12660.6	60.8
90°-120°	3904.6	18.7
90°-150°	7111.4	34.1
90°-180°	8171.0	39.2
0°-180°	20831.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4881	4881	4881	4881	4881	
5°	4904	5057	4904	3976	4904	465
15°	4682	5010	4682	4184	4682	1317
25°	4124	4673	4124	4092	4124	1893
35°	3136	4170	3136	3560	3136	1940
45°	2023	3436	2023	3015	2023	1620
55°	1648	2535	1648	2475	1648	1515
65°	1145	1529	1145	1709	1145	1095
75°	434	725	434	868	434	456
85°	74	185	74	157	74	100
90°	8	32	8	32	8	10
95°	81	371	81	371	81	90
105°	291	2529	291	2529	291	308
115°	517	3257	517	3257	517	510
125°	719	2594	719	2594	719	638
135°	857	2012	857	2012	857	663
145°	994	1633	994	1633	994	623
155°	1123	1406	1123	1406	1123	516
165°	1212	1310	1212	1310	1212	342
175°	1260	1269	1260	1269	1260	120
180°	1260	1260	1260	1260	1260	



TEST NUMBER: P934928

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1
2.5°	4922.7	4922.7	4950.3	4959.6	4959.6	4945.7	4931.9	4945.7	4987.3	5001.2	4996.5
5°	4904.1	4941.1	4991.9	5001.2	5010.4	5005.7	4996.5	5005.7	5051.9	5061.2	5065.8
7.5°	4867.2	4936.5	5001.2	5015.0	5028.8	5015.0	5010.4	5019.6	5065.8	5075.0	5075.0
10°	4821.1	4918.0	4991.9	5001.2	5015.0	5001.2	5001.2	5019.6	5065.8	5075.0	5079.7
12.5°	4756.4	4890.3	4959.6	4968.8	4987.3	4982.6	4978.1	4996.5	5042.7	5051.9	5051.9
15°	4682.5	4839.5	4904.1	4913.4	4945.7	4936.5	4936.5	4955.0	5005.7	5019.6	5015.0
17.5°	4580.9	4774.9	4848.7	4862.6	4885.7	4881.1	4885.7	4904.1	4950.3	4959.6	4964.2
20°	4465.5	4687.1	4774.9	4788.7	4811.8	4811.8	4811.8	4834.9	4881.1	4899.6	4899.6
22.5°	4308.5	4594.8	4687.1	4696.4	4724.1	4724.1	4733.3	4765.6	4807.2	4811.8	4811.8
25°	4123.7	4493.2	4571.7	4599.4	4627.1	4641.0	4654.8	4673.3	4687.1	4682.5	4687.1
27.5°	3929.8	4363.9	4465.5	4484.0	4520.9	4534.7	4553.2	4557.8	4562.5	4576.3	4567.1
30°	3712.8	4183.8	4336.1	4354.6	4414.7	4423.9	4405.5	4414.7	4437.8	4447.0	4456.2
32.5°	3468.0	3916.0	4202.3	4243.8	4299.2	4271.6	4266.9	4280.8	4317.7	4317.7	4327.0
35°	3135.5	3708.1	4077.5	4114.5	4156.0	4123.7	4142.2	4146.9	4170.0	4183.8	4179.1
37.5°	2770.8	3528.0	3948.3	3976.0	4008.3	3966.7	3994.5	4008.3	4026.8	4017.5	4017.5
40°	2447.5	3246.3	3795.9	3814.4	3842.0	3809.7	3837.5	3846.7	3856.0	3846.7	3842.0
42.5°	2207.3	2936.9	3634.3	3657.4	3638.9	3661.9	3671.2	3689.7	3675.8	3657.4	3657.4
45°	2022.6	2853.8	3458.8	3486.5	3458.8	3495.7	3509.6	3509.6	3468.0	3458.8	3454.2
47.5°	1962.6	2687.6	3283.3	3283.3	3269.4	3315.6	3338.7	3306.3	3264.9	3251.0	3251.0
50°	1958.0	2502.9	3043.2	3024.7	3089.3	3144.8	3121.7	3089.3	3057.0	3006.3	3006.3
52.5°	1777.9	2276.6	2733.7	2803.0	2904.7	2936.9	2900.0	2867.7	2812.2	2789.2	2770.8
55°	1648.5	2041.1	2452.1	2590.6	2696.8	2738.4	2669.1	2636.8	2553.7	2539.8	2530.6
57.5°	1620.9	1699.4	2193.5	2369.0	2498.2	2493.7	2452.1	2392.1	2322.8	2308.9	2304.3
60°	1487.0	1228.4	1916.4	2124.2	2258.2	2244.3	2207.3	2151.9	2087.3	2078.1	2068.8
62.5°	1348.4	891.3	1602.4	1837.9	2027.2	2022.6	1990.3	1907.1	1861.0	1837.9	1819.5
65°	1145.2	748.1	1140.6	1528.6	1801.0	1810.2	1741.0	1680.9	1630.1	1602.4	1597.8
67.5°	872.8	609.5	771.2	1274.5	1584.0	1574.7	1487.0	1459.2	1394.6	1380.7	1353.0
70°	646.5	406.3	535.7	1034.4	1371.5	1348.4	1279.1	1246.8	1186.8	1154.4	1136.0
72.5°	535.7	327.8	392.5	803.5	1154.4	1126.8	1066.7	1029.8	979.0	951.3	932.8
75°	434.1	346.3	300.2	595.7	937.4	918.9	863.5	826.6	785.0	748.1	752.7
77.5°	318.6	323.3	240.1	438.7	743.4	715.8	683.4	637.3	618.8	581.9	581.9
80°	240.1	254.0	180.1	300.2	535.7	535.7	507.9	475.6	443.4	424.8	424.8
82.5°	161.6	161.6	133.9	189.3	364.9	350.9	332.5	323.3	304.8	295.5	295.5
85°	73.9	92.3	83.1	115.4	198.6	207.8	207.8	198.6	193.9	184.7	189.3
87.5°	23.1	41.6	50.8	64.7	101.6	106.2	110.8	110.8	110.8	115.4	115.4
90°	8.5	15.2	21.9	23.7	37.2	55.3	64.3	57.1	42.8	32.1	32.1
92.5°	33.8	91.3	148.9	163.3	229.5	317.8	362.0	317.3	227.9	160.7	154.4
95°	81.2	186.5	291.8	318.1	564.8	893.8	1058.3	944.4	716.5	545.6	526.2
97.5°	140.4	233.3	326.2	349.4	760.8	1309.3	1583.6	1511.5	1367.5	1259.6	1222.7
100°	186.1	270.3	354.6	375.6	832.1	1440.8	1745.1	1750.4	1761.0	1768.9	1724.9
102.5°	225.0	303.6	382.1	401.8	864.8	1482.2	1790.9	1882.6	2066.1	2203.7	2166.1
105°	291.0	357.6	424.1	440.7	889.1	1486.9	1785.8	1991.5	2402.8	2711.3	2691.1
107.5°	358.7	420.7	482.7	498.3	893.6	1420.8	1684.3	1971.2	2544.9	2975.1	2980.1
110°	404.3	460.4	516.4	530.4	886.8	1362.1	1599.7	1920.4	2561.8	3042.8	3063.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	449.2	502.6	556.0	569.3	887.2	1310.9	1522.7	1850.9	2507.4	2999.7	3032.0
115°	516.9	566.1	615.4	627.6	895.3	1252.1	1430.5	1746.7	2379.1	2853.3	2898.2
117.5°	583.7	628.5	673.1	684.3	911.9	1215.3	1367.0	1652.4	2223.1	2651.1	2700.9
120°	622.6	664.8	706.8	717.3	925.5	1202.9	1341.6	1602.3	2123.8	2515.0	2563.3
122.5°	660.7	703.1	745.6	756.3	944.9	1196.4	1322.2	1556.9	2026.6	2378.8	2426.5
125°	719.1	757.8	796.6	806.2	971.1	1191.1	1301.1	1500.5	1899.4	2198.6	2242.5
127.5°	766.5	805.6	844.7	854.4	997.4	1188.0	1283.3	1454.6	1797.1	2054.0	2091.0
130°	791.8	834.0	876.0	886.5	1016.5	1189.8	1276.5	1428.9	1733.9	1962.5	1996.7
132.5°	818.0	860.2	902.2	912.7	1032.0	1191.1	1270.6	1407.0	1680.0	1884.8	1915.4
135°	857.0	895.3	933.7	943.2	1049.0	1190.0	1260.5	1374.7	1603.3	1774.8	1801.2
137.5°	896.7	934.7	972.7	982.1	1074.4	1197.3	1258.8	1355.4	1548.7	1693.6	1715.2
140°	929.6	964.6	999.6	1008.3	1089.8	1198.5	1252.8	1336.3	1503.3	1628.4	1648.6
142.5°	955.0	987.4	1019.7	1027.8	1102.8	1202.8	1252.8	1326.2	1472.8	1582.8	1600.1
145°	994.0	1022.2	1050.4	1057.5	1119.8	1202.8	1244.4	1304.3	1424.3	1514.3	1527.5
147.5°	1032.9	1060.4	1087.8	1094.7	1144.6	1211.1	1244.4	1291.6	1385.9	1456.7	1467.6
150°	1058.3	1083.1	1107.9	1114.1	1157.5	1215.5	1244.4	1284.2	1363.9	1423.7	1432.5
152.5°	1084.5	1103.3	1122.0	1126.8	1166.0	1218.3	1244.4	1278.4	1346.4	1397.5	1404.1
155°	1123.4	1137.3	1151.2	1154.7	1184.6	1224.5	1244.4	1271.5	1325.6	1366.2	1370.6
157.5°	1152.1	1165.7	1179.3	1182.6	1203.2	1230.6	1244.4	1265.4	1307.5	1339.1	1342.2
160°	1171.6	1182.2	1192.7	1195.4	1211.7	1233.5	1244.4	1262.4	1298.5	1325.6	1327.4
162.5°	1191.1	1199.0	1206.8	1208.8	1220.6	1236.5	1244.4	1259.6	1290.0	1312.9	1314.6
165°	1212.3	1219.4	1226.5	1228.3	1233.6	1240.8	1244.4	1255.3	1277.0	1293.4	1295.2
167.5°	1231.6	1235.0	1238.5	1239.3	1243.8	1249.8	1252.8	1259.9	1274.2	1285.0	1285.7
170°	1244.4	1247.7	1251.2	1252.0	1252.3	1252.7	1252.8	1259.9	1274.2	1285.0	1285.0
172.5°	1251.1	1251.8	1252.7	1252.8	1252.8	1252.8	1252.8	1258.5	1269.8	1278.2	1277.6
175°	1260.5	1260.5	1260.5	1260.5	1257.9	1254.6	1252.8	1256.4	1263.6	1268.9	1268.9
177.5°	1260.5	1260.5	1260.5	1260.5	1258.5	1255.8	1254.6	1257.4	1263.0	1267.2	1266.5
180°	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1
2.5°	5005.7	4991.9	5005.7	4996.5	5001.2	4987.3	4945.7	4931.9	4945.7	4959.6	4959.6
5°	5065.8	5056.6	5065.8	5065.8	5061.2	5051.9	5005.7	4996.5	5005.7	5010.4	5001.2
7.5°	5084.2	5070.4	5084.2	5075.0	5075.0	5065.8	5019.6	5010.4	5015.0	5028.8	5015.0
10°	5084.2	5070.4	5084.2	5079.7	5075.0	5065.8	5019.6	5001.2	5001.2	5015.0	5001.2
12.5°	5061.2	5051.9	5061.2	5051.9	5051.9	5042.7	4996.5	4978.1	4982.6	4987.3	4968.8
15°	5024.2	5010.4	5024.2	5015.0	5019.6	5005.7	4955.0	4936.5	4936.5	4945.7	4913.4
17.5°	4968.8	4950.3	4968.8	4964.2	4959.6	4950.3	4904.1	4885.7	4881.1	4885.7	4862.6
20°	4904.1	4890.3	4904.1	4899.6	4899.6	4881.1	4834.9	4811.8	4811.8	4811.8	4788.7
22.5°	4802.6	4788.7	4802.6	4811.8	4811.8	4807.2	4765.6	4733.3	4724.1	4724.1	4696.4
25°	4687.1	4673.3	4687.1	4687.1	4682.5	4687.1	4673.3	4654.8	4641.0	4627.1	4599.4
27.5°	4576.3	4567.1	4576.3	4567.1	4576.3	4562.5	4557.8	4553.2	4534.7	4520.9	4484.0
30°	4465.5	4456.2	4465.5	4456.2	4447.0	4437.8	4414.7	4405.5	4423.9	4414.7	4354.6
32.5°	4327.0	4317.7	4327.0	4327.0	4317.7	4317.7	4280.8	4266.9	4271.6	4299.2	4243.8
35°	4183.8	4170.0	4183.8	4179.1	4183.8	4170.0	4146.9	4142.2	4123.7	4156.0	4114.5
37.5°	4017.5	4003.7	4017.5	4017.5	4017.5	4026.8	4008.3	3994.5	3966.7	4008.3	3976.0
40°	3846.7	3828.2	3846.7	3842.0	3846.7	3856.0	3846.7	3837.5	3809.7	3842.0	3814.4
42.5°	3652.7	3648.1	3652.7	3657.4	3657.4	3675.8	3689.7	3671.2	3661.9	3638.9	3657.4
45°	3444.9	3435.7	3444.9	3454.2	3458.8	3468.0	3509.6	3509.6	3495.7	3458.8	3486.5
47.5°	3223.3	3200.2	3223.3	3251.0	3251.0	3264.9	3306.3	3338.7	3315.6	3269.4	3283.3
50°	2987.8	2992.3	2987.8	3006.3	3006.3	3057.0	3089.3	3121.7	3144.8	3089.3	3024.7
52.5°	2756.8	2752.3	2756.8	2770.8	2789.2	2812.2	2867.7	2900.0	2936.9	2904.7	2803.0
55°	2526.0	2535.2	2526.0	2530.6	2539.8	2553.7	2636.8	2669.1	2738.4	2696.8	2590.6
57.5°	2295.1	2281.2	2295.1	2304.3	2308.9	2322.8	2392.1	2452.1	2493.7	2498.2	2369.0
60°	2027.2	2008.8	2027.2	2068.8	2078.1	2087.3	2151.9	2207.3	2244.3	2258.2	2124.2
62.5°	1791.7	1759.4	1791.7	1819.5	1837.9	1861.0	1907.1	1990.3	2022.6	2027.2	1837.9
65°	1542.4	1528.6	1542.4	1597.8	1602.4	1630.1	1680.9	1741.0	1810.2	1801.0	1528.6
67.5°	1316.1	1316.1	1316.1	1353.0	1380.7	1394.6	1459.2	1487.0	1574.7	1584.0	1274.5
70°	1108.3	1103.7	1108.3	1136.0	1154.4	1186.8	1246.8	1279.1	1348.4	1371.5	1034.4
72.5°	909.7	905.1	909.7	932.8	951.3	979.0	1029.8	1066.7	1126.8	1154.4	803.5
75°	734.3	725.0	734.3	752.7	748.1	785.0	826.6	863.5	918.9	937.4	595.7
77.5°	563.3	563.3	563.3	581.9	581.9	618.8	637.3	683.4	715.8	743.4	438.7
80°	420.3	415.6	420.3	424.8	424.8	443.4	475.6	507.9	535.7	535.7	300.2
82.5°	295.5	286.3	295.5	295.5	295.5	304.8	323.3	332.5	350.9	364.9	189.3
85°	184.7	184.7	184.7	189.3	184.7	193.9	198.6	207.8	207.8	198.6	115.4
87.5°	120.1	115.4	120.1	115.4	115.4	110.8	110.8	110.8	106.2	101.6	64.7
90°	32.1	32.1	32.1	32.1	32.1	42.8	57.1	64.3	55.3	37.2	23.7
92.5°	128.8	103.2	128.8	154.4	160.7	227.9	317.3	362.0	317.8	229.5	163.3
95°	448.8	371.4	448.8	526.2	545.6	716.5	944.4	1058.3	893.8	564.8	318.1
97.5°	1075.4	928.0	1075.4	1222.7	1259.6	1367.5	1511.5	1583.6	1309.3	760.8	349.4
100°	1549.4	1373.8	1549.4	1724.9	1768.9	1761.0	1750.4	1745.1	1440.8	832.1	375.6
102.5°	2015.7	1865.3	2015.7	2166.1	2203.7	2066.1	1882.6	1790.9	1482.2	864.8	401.8
105°	2610.2	2529.3	2610.2	2691.1	2711.3	2402.8	1991.5	1785.8	1486.9	889.1	440.7
107.5°	2999.6	3019.2	2999.6	2980.1	2975.1	2544.9	1971.2	1684.3	1420.8	893.6	498.3
110°	3148.1	3232.3	3148.1	3063.8	3042.8	2561.8	1920.4	1599.7	1362.1	886.8	530.4



TEST NUMBER: P934928

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3161.4	3290.7	3161.4	3032.0	2999.7	2507.4	1850.9	1522.7	1310.9	887.2	569.3
115°	3077.5	3256.9	3077.5	2898.2	2853.3	2379.1	1746.7	1430.5	1252.1	895.3	627.6
117.5°	2899.7	3098.7	2899.7	2700.9	2651.1	2223.1	1652.4	1367.0	1215.3	911.9	684.3
120°	2756.6	2949.8	2756.6	2563.3	2515.0	2123.8	1602.3	1341.6	1202.9	925.5	717.3
122.5°	2617.0	2807.7	2617.0	2426.5	2378.8	2026.6	1556.9	1322.2	1196.4	944.9	756.3
125°	2418.1	2593.6	2418.1	2242.5	2198.6	1899.4	1500.5	1301.1	1191.1	971.1	806.2
127.5°	2239.2	2387.3	2239.2	2091.0	2054.0	1797.1	1454.6	1283.3	1188.0	997.4	854.4
130°	2133.6	2270.5	2133.6	1996.7	1962.5	1733.9	1428.9	1276.5	1189.8	1016.5	886.5
132.5°	2038.0	2160.6	2038.0	1915.4	1884.8	1680.0	1407.0	1270.6	1191.1	1032.0	912.7
135°	1906.9	2012.5	1906.9	1801.2	1774.8	1603.3	1374.7	1260.5	1190.0	1049.0	943.2
137.5°	1801.6	1888.1	1801.6	1715.2	1693.6	1548.7	1355.4	1258.8	1197.3	1074.4	982.1
140°	1729.5	1810.3	1729.5	1648.6	1628.4	1503.3	1336.3	1252.8	1198.5	1089.8	1008.3
142.5°	1669.7	1739.2	1669.7	1600.1	1582.8	1472.8	1326.2	1252.8	1202.8	1102.8	1027.8
145°	1580.0	1632.6	1580.0	1527.5	1514.3	1424.3	1304.3	1244.4	1202.8	1119.8	1057.5
147.5°	1511.2	1554.8	1511.2	1467.6	1456.7	1385.9	1291.6	1244.4	1211.1	1144.6	1094.7
150°	1467.9	1503.3	1467.9	1432.5	1423.7	1363.9	1284.2	1244.4	1215.5	1157.5	1114.1
152.5°	1430.9	1457.5	1430.9	1404.1	1397.5	1346.4	1278.4	1244.4	1218.3	1166.0	1126.8
155°	1388.3	1405.9	1388.3	1370.6	1366.2	1325.6	1271.5	1244.4	1224.5	1184.6	1154.7
157.5°	1354.6	1367.0	1354.6	1342.2	1339.1	1307.5	1265.4	1244.4	1230.6	1203.2	1182.6
160°	1334.5	1341.6	1334.5	1327.4	1325.6	1298.5	1262.4	1244.4	1233.5	1211.7	1195.4
162.5°	1321.3	1328.2	1321.3	1314.6	1312.9	1290.0	1259.6	1244.4	1236.5	1220.6	1208.8
165°	1302.3	1309.5	1302.3	1295.2	1293.4	1277.0	1255.3	1244.4	1240.8	1233.6	1228.3
167.5°	1288.8	1291.8	1288.8	1285.7	1285.0	1274.2	1259.9	1252.8	1249.8	1243.8	1239.3
170°	1285.0	1285.0	1285.0	1285.0	1285.0	1274.2	1259.9	1252.8	1252.7	1252.3	1252.0
172.5°	1274.9	1272.3	1274.9	1277.6	1278.2	1269.8	1258.5	1252.8	1252.8	1252.8	1252.8
175°	1268.9	1268.9	1268.9	1268.9	1268.9	1263.6	1256.4	1252.8	1254.6	1257.9	1260.5
177.5°	1263.5	1260.5	1263.5	1266.5	1267.2	1263.0	1257.4	1254.6	1255.8	1258.5	1260.5
180°	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5



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CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1
2.5°	4950.3	4922.7	4922.7	4876.5	4858.0	4844.2	4821.1	4751.8	4733.3	4714.8	4742.6
5°	4991.9	4941.1	4904.1	4821.1	4751.8	4724.1	4636.3	4470.0	4359.3	4276.1	4230.0
7.5°	5001.2	4936.5	4867.2	4737.9	4571.7	4497.8	4230.0	3925.2	3842.0	3768.2	3722.0
10°	4991.9	4918.0	4821.1	4627.1	4234.5	4105.3	3837.5	3638.9	3588.1	3574.2	3588.1
12.5°	4959.6	4890.3	4756.4	4433.1	3883.6	3795.9	3638.9	3523.4	3514.2	3537.3	3661.9
15°	4904.1	4839.5	4682.5	4174.5	3689.7	3625.0	3514.2	3472.6	3523.4	3685.0	4059.1
17.5°	4848.7	4774.9	4580.9	3920.5	3541.9	3495.7	3417.2	3500.4	3786.6	4003.7	4128.4
20°	4774.9	4687.1	4465.5	3735.9	3435.7	3394.1	3357.2	3731.2	3948.3	4026.8	4096.0
22.5°	4687.1	4594.8	4308.5	3606.5	3324.9	3292.5	3315.6	3860.5	3948.3	4003.7	4063.7
25°	4571.7	4493.2	4123.7	3504.9	3237.1	3200.2	3287.9	3846.7	3897.4	3911.3	4031.4
27.5°	4465.5	4363.9	3929.8	3412.6	3130.9	3117.1	3311.0	3786.6	3823.6	3837.5	3966.7
30°	4336.1	4183.8	3712.8	3315.6	3020.1	3015.4	3315.6	3712.8	3703.5	3740.4	3869.8
32.5°	4202.3	3916.0	3468.0	3195.6	2913.8	2909.3	3283.3	3601.9	3592.7	3643.5	3740.4
35°	4077.5	3708.1	3135.5	3057.0	2779.9	2784.6	3204.8	3472.6	3477.3	3523.4	3583.4
37.5°	3948.3	3528.0	2770.8	2904.7	2650.7	2650.7	3098.6	3352.6	3343.4	3357.2	3440.3
40°	3795.9	3246.3	2447.5	2706.1	2530.6	2516.7	2969.3	3223.3	3190.9	3186.4	3301.8
42.5°	3634.3	2936.9	2207.3	2442.8	2392.1	2373.6	2812.2	3066.3	3006.3	3020.1	3167.8
45°	3458.8	2853.8	2022.6	2064.1	2248.9	2235.1	2641.4	2886.2	2844.6	2881.5	3033.9
47.5°	3283.3	2687.6	1962.6	1713.2	2096.5	2091.9	2452.1	2710.7	2687.6	2724.5	2886.2
50°	3043.2	2502.9	1958.0	1468.5	1925.6	1944.1	2225.8	2539.8	2539.8	2572.2	2743.0
52.5°	2733.7	2276.6	1777.9	1330.0	1727.0	1782.5	2027.2	2392.1	2401.3	2433.6	2586.0
55°	2452.1	2041.1	1648.5	1223.7	1491.5	1611.6	1833.3	2239.6	2258.2	2290.5	2429.0
57.5°	2193.5	1699.4	1620.9	1099.0	1274.5	1390.0	1662.5	2091.9	2101.2	2128.8	2262.7
60°	1916.4	1228.4	1487.0	965.1	1085.2	1173.0	1505.4	1916.4	1948.7	1967.2	2082.6
62.5°	1602.4	891.3	1348.4	872.8	992.9	1011.3	1376.1	1750.1	1791.7	1805.5	1874.9
65°	1140.6	748.1	1145.2	794.3	895.9	900.4	1237.6	1579.3	1616.2	1639.3	1690.1
67.5°	771.2	609.5	872.8	720.3	821.9	826.6	1103.7	1380.7	1431.5	1450.1	1482.3
70°	535.7	406.3	646.5	641.8	738.9	748.1	960.5	1200.6	1246.8	1260.7	1279.1
72.5°	392.5	327.8	535.7	577.3	651.1	660.4	812.8	997.4	1043.6	1057.5	1066.7
75°	300.2	346.3	434.1	503.3	554.2	558.8	664.9	812.8	845.1	854.3	858.9
77.5°	240.1	323.3	318.6	406.3	452.5	443.4	521.9	628.0	655.8	655.8	655.8
80°	180.1	254.0	240.1	290.9	332.5	323.3	374.0	447.9	457.2	466.4	461.8
82.5°	133.9	161.6	161.6	184.7	221.7	212.4	249.3	290.9	290.9	290.9	300.2
85°	83.1	92.3	73.9	97.0	124.7	120.1	138.5	157.0	161.6	161.6	152.4
87.5°	50.8	41.6	23.1	36.9	55.4	55.4	64.7	69.2	64.7	64.7	64.7
90°	21.9	15.2	8.5	15.2	21.9	23.7	37.2	55.3	64.3	57.1	42.8
92.5°	148.9	91.3	33.8	91.3	148.9	163.3	229.5	317.8	362.0	317.3	227.9
95°	291.8	186.5	81.2	186.5	291.8	318.1	564.8	893.8	1058.3	944.4	716.5
97.5°	326.2	233.3	140.4	233.3	326.2	349.4	760.8	1309.3	1583.6	1511.5	1367.5
100°	354.6	270.3	186.1	270.3	354.6	375.6	832.1	1440.8	1745.1	1750.4	1761.0
102.5°	382.1	303.6	225.0	303.6	382.1	401.8	864.8	1482.2	1790.9	1882.6	2066.1
105°	424.1	357.6	291.0	357.6	424.1	440.7	889.1	1486.9	1785.8	1991.5	2402.8
107.5°	482.7	420.7	358.7	420.7	482.7	498.3	893.6	1420.8	1684.3	1971.2	2544.9
110°	516.4	460.4	404.3	460.4	516.4	530.4	886.8	1362.1	1599.7	1920.4	2561.8



TEST NUMBER: P934928

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	556.0	502.6	449.2	502.6	556.0	569.3	887.2	1310.9	1522.7	1850.9	2507.4
115°	615.4	566.1	516.9	566.1	615.4	627.6	895.3	1252.1	1430.5	1746.7	2379.1
117.5°	673.1	628.5	583.7	628.5	673.1	684.3	911.9	1215.3	1367.0	1652.4	2223.1
120°	706.8	664.8	622.6	664.8	706.8	717.3	925.5	1202.9	1341.6	1602.3	2123.8
122.5°	745.6	703.1	660.7	703.1	745.6	756.3	944.9	1196.4	1322.2	1556.9	2026.6
125°	796.6	757.8	719.1	757.8	796.6	806.2	971.1	1191.1	1301.1	1500.5	1899.4
127.5°	844.7	805.6	766.5	805.6	844.7	854.4	997.4	1188.0	1283.3	1454.6	1797.1
130°	876.0	834.0	791.8	834.0	876.0	886.5	1016.5	1189.8	1276.5	1428.9	1733.9
132.5°	902.2	860.2	818.0	860.2	902.2	912.7	1032.0	1191.1	1270.6	1407.0	1680.0
135°	933.7	895.3	857.0	895.3	933.7	943.2	1049.0	1190.0	1260.5	1374.7	1603.3
137.5°	972.7	934.7	896.7	934.7	972.7	982.1	1074.4	1197.3	1258.8	1355.4	1548.7
140°	999.6	964.6	929.6	964.6	999.6	1008.3	1089.8	1198.5	1252.8	1336.3	1503.3
142.5°	1019.7	987.4	955.0	987.4	1019.7	1027.8	1102.8	1202.8	1252.8	1326.2	1472.8
145°	1050.4	1022.2	994.0	1022.2	1050.4	1057.5	1119.8	1202.8	1244.4	1304.3	1424.3
147.5°	1087.8	1060.4	1032.9	1060.4	1087.8	1094.7	1144.6	1211.1	1244.4	1291.6	1385.9
150°	1107.9	1083.1	1058.3	1083.1	1107.9	1114.1	1157.5	1215.5	1244.4	1284.2	1363.9
152.5°	1122.0	1103.3	1084.5	1103.3	1122.0	1126.8	1166.0	1218.3	1244.4	1278.4	1346.4
155°	1151.2	1137.3	1123.4	1137.3	1151.2	1154.7	1184.6	1224.5	1244.4	1271.5	1325.6
157.5°	1179.3	1165.7	1152.1	1165.7	1179.3	1182.6	1203.2	1230.6	1244.4	1265.4	1307.5
160°	1192.7	1182.2	1171.6	1182.2	1192.7	1195.4	1211.7	1233.5	1244.4	1262.4	1298.5
162.5°	1206.8	1199.0	1191.1	1199.0	1206.8	1208.8	1220.6	1236.5	1244.4	1259.6	1290.0
165°	1226.5	1219.4	1212.3	1219.4	1226.5	1228.3	1233.6	1240.8	1244.4	1255.3	1277.0
167.5°	1238.5	1235.0	1231.6	1235.0	1238.5	1239.3	1243.8	1249.8	1252.8	1259.9	1274.2
170°	1251.2	1247.7	1244.4	1247.7	1251.2	1252.0	1252.3	1252.7	1252.8	1259.9	1274.2
172.5°	1252.7	1251.8	1251.1	1251.8	1252.7	1252.8	1252.8	1252.8	1252.8	1258.5	1269.8
175°	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1257.9	1254.6	1252.8	1256.4	1263.6
177.5°	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1258.5	1255.8	1254.6	1257.4	1263.0
180°	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5



TEST NUMBER: P934928
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1	4881.1
2.5°	4710.2	4696.4	4714.8	4664.1	4714.8	4696.4	4710.2	4742.6	4714.8	4733.3	4751.8
5°	4133.0	4109.9	4036.0	3976.0	4036.0	4109.9	4133.0	4230.0	4276.1	4359.3	4470.0
7.5°	3694.3	3675.8	3657.4	3620.4	3657.4	3675.8	3694.3	3722.0	3768.2	3842.0	3925.2
10°	3597.3	3601.9	3629.6	3625.0	3629.6	3601.9	3597.3	3588.1	3574.2	3588.1	3638.9
12.5°	3846.7	3888.2	4040.6	4031.4	4040.6	3888.2	3846.7	3661.9	3537.3	3514.2	3523.4
15°	4133.0	4146.9	4179.1	4183.8	4179.1	4146.9	4133.0	4059.1	3685.0	3523.4	3472.6
17.5°	4160.7	4165.3	4188.4	4188.4	4188.4	4165.3	4160.7	4128.4	4003.7	3786.6	3500.4
20°	4137.6	4146.9	4193.1	4202.3	4193.1	4146.9	4137.6	4096.0	4026.8	3948.3	3731.2
22.5°	4128.4	4146.9	4183.8	4179.1	4183.8	4146.9	4128.4	4063.7	4003.7	3948.3	3860.5
25°	4082.2	4082.2	4086.8	4091.5	4086.8	4082.2	4082.2	4031.4	3911.3	3897.4	3846.7
27.5°	3985.2	3994.5	4022.1	4017.5	4022.1	3994.5	3985.2	3966.7	3837.5	3823.6	3786.6
30°	3897.4	3888.2	3865.1	3846.7	3865.1	3888.2	3897.4	3869.8	3740.4	3703.5	3712.8
32.5°	3749.7	3726.6	3703.5	3689.7	3703.5	3726.6	3749.7	3740.4	3643.5	3592.7	3601.9
35°	3574.2	3578.9	3574.2	3560.4	3574.2	3578.9	3574.2	3583.4	3523.4	3477.3	3472.6
37.5°	3449.5	3458.8	3454.2	3435.7	3454.2	3458.8	3449.5	3440.3	3357.2	3343.4	3352.6
40°	3320.3	3324.9	3320.3	3306.3	3320.3	3324.9	3320.3	3301.8	3186.4	3190.9	3223.3
42.5°	3195.6	3190.9	3177.1	3167.8	3177.1	3190.9	3195.6	3167.8	3020.1	3006.3	3066.3
45°	3052.4	3057.0	3029.3	3015.4	3029.3	3057.0	3052.4	3033.9	2881.5	2844.6	2886.2
47.5°	2909.3	2909.3	2886.2	2872.3	2886.2	2909.3	2909.3	2886.2	2724.5	2687.6	2710.7
50°	2756.8	2752.3	2719.9	2715.3	2719.9	2752.3	2756.8	2743.0	2572.2	2539.8	2539.8
52.5°	2581.4	2581.4	2586.0	2595.2	2586.0	2581.4	2581.4	2586.0	2433.6	2401.3	2392.1
55°	2429.0	2433.6	2465.9	2475.2	2465.9	2433.6	2429.0	2429.0	2290.5	2258.2	2239.6
57.5°	2272.0	2272.0	2295.1	2295.1	2295.1	2272.0	2272.0	2262.7	2128.8	2101.2	2091.9
60°	2091.9	2101.2	2119.6	2115.0	2119.6	2101.2	2091.9	2082.6	1967.2	1948.7	1916.4
62.5°	1902.6	1911.8	1916.4	1907.1	1916.4	1911.8	1902.6	1874.9	1805.5	1791.7	1750.1
65°	1704.0	1713.2	1717.8	1708.6	1717.8	1713.2	1704.0	1690.1	1639.3	1616.2	1579.3
67.5°	1500.8	1496.2	1491.5	1510.0	1491.5	1496.2	1500.8	1482.3	1450.1	1431.5	1380.7
70°	1293.0	1293.0	1288.4	1297.6	1288.4	1293.0	1293.0	1279.1	1260.7	1246.8	1200.6
72.5°	1071.4	1066.7	1085.2	1071.4	1085.2	1066.7	1071.4	1066.7	1057.5	1043.6	997.4
75°	854.3	863.5	854.3	868.2	854.3	863.5	854.3	858.9	854.3	845.1	812.8
77.5°	651.1	660.4	651.1	651.1	651.1	660.4	651.1	655.8	655.8	655.8	628.0
80°	461.8	457.2	457.2	452.5	457.2	457.2	461.8	461.8	466.4	457.2	447.9
82.5°	295.5	290.9	290.9	300.2	290.9	290.9	295.5	300.2	290.9	290.9	290.9
85°	161.6	166.3	157.0	157.0	157.0	166.3	161.6	152.4	161.6	161.6	157.0
87.5°	60.0	55.4	55.4	55.4	55.4	55.4	60.0	64.7	64.7	64.7	69.2
90°	32.1	32.1	32.1	32.1	32.1	32.1	32.1	42.8	57.1	64.3	55.3
92.5°	160.7	154.4	128.8	103.2	128.8	154.4	160.7	227.9	317.3	362.0	317.8
95°	545.6	526.2	448.8	371.4	448.8	526.2	545.6	716.5	944.4	1058.3	893.8
97.5°	1259.6	1222.7	1075.4	928.0	1075.4	1222.7	1259.6	1367.5	1511.5	1583.6	1309.3
100°	1768.9	1724.9	1549.4	1373.8	1549.4	1724.9	1768.9	1761.0	1750.4	1745.1	1440.8
102.5°	2203.7	2166.1	2015.7	1865.3	2015.7	2166.1	2203.7	2066.1	1882.6	1790.9	1482.2
105°	2711.3	2691.1	2610.2	2529.3	2610.2	2691.1	2711.3	2402.8	1991.5	1785.8	1486.9
107.5°	2975.1	2980.1	2999.6	3019.2	2999.6	2980.1	2975.1	2544.9	1971.2	1684.3	1420.8
110°	3042.8	3063.8	3148.1	3232.3	3148.1	3063.8	3042.8	2561.8	1920.4	1599.7	1362.1



TEST NUMBER: P934928

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2999.7	3032.0	3161.4	3290.7	3161.4	3032.0	2999.7	2507.4	1850.9	1522.7	1310.9
115°	2853.3	2898.2	3077.5	3256.9	3077.5	2898.2	2853.3	2379.1	1746.7	1430.5	1252.1
117.5°	2651.1	2700.9	2899.7	3098.7	2899.7	2700.9	2651.1	2223.1	1652.4	1367.0	1215.3
120°	2515.0	2563.3	2756.6	2949.8	2756.6	2563.3	2515.0	2123.8	1602.3	1341.6	1202.9
122.5°	2378.8	2426.5	2617.0	2807.7	2617.0	2426.5	2378.8	2026.6	1556.9	1322.2	1196.4
125°	2198.6	2242.5	2418.1	2593.6	2418.1	2242.5	2198.6	1899.4	1500.5	1301.1	1191.1
127.5°	2054.0	2091.0	2239.2	2387.3	2239.2	2091.0	2054.0	1797.1	1454.6	1283.3	1188.0
130°	1962.5	1996.7	2133.6	2270.5	2133.6	1996.7	1962.5	1733.9	1428.9	1276.5	1189.8
132.5°	1884.8	1915.4	2038.0	2160.6	2038.0	1915.4	1884.8	1680.0	1407.0	1270.6	1191.1
135°	1774.8	1801.2	1906.9	2012.5	1906.9	1801.2	1774.8	1603.3	1374.7	1260.5	1190.0
137.5°	1693.6	1715.2	1801.6	1888.1	1801.6	1715.2	1693.6	1548.7	1355.4	1258.8	1197.3
140°	1628.4	1648.6	1729.5	1810.3	1729.5	1648.6	1628.4	1503.3	1336.3	1252.8	1198.5
142.5°	1582.8	1600.1	1669.7	1739.2	1669.7	1600.1	1582.8	1472.8	1326.2	1252.8	1202.8
145°	1514.3	1527.5	1580.0	1632.6	1580.0	1527.5	1514.3	1424.3	1304.3	1244.4	1202.8
147.5°	1456.7	1467.6	1511.2	1554.8	1511.2	1467.6	1456.7	1385.9	1291.6	1244.4	1211.1
150°	1423.7	1432.5	1467.9	1503.3	1467.9	1432.5	1423.7	1363.9	1284.2	1244.4	1215.5
152.5°	1397.5	1404.1	1430.9	1457.5	1430.9	1404.1	1397.5	1346.4	1278.4	1244.4	1218.3
155°	1366.2	1370.6	1388.3	1405.9	1388.3	1370.6	1366.2	1325.6	1271.5	1244.4	1224.5
157.5°	1339.1	1342.2	1354.6	1367.0	1354.6	1342.2	1339.1	1307.5	1265.4	1244.4	1230.6
160°	1325.6	1327.4	1334.5	1341.6	1334.5	1327.4	1325.6	1298.5	1262.4	1244.4	1233.5
162.5°	1312.9	1314.6	1321.3	1328.2	1321.3	1314.6	1312.9	1290.0	1259.6	1244.4	1236.5
165°	1293.4	1295.2	1302.3	1309.5	1302.3	1295.2	1293.4	1277.0	1255.3	1244.4	1240.8
167.5°	1285.0	1285.7	1288.8	1291.8	1288.8	1285.7	1285.0	1274.2	1259.9	1252.8	1249.8
170°	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1285.0	1274.2	1259.9	1252.8	1252.7
172.5°	1278.2	1277.6	1274.9	1272.3	1274.9	1277.6	1278.2	1269.8	1258.5	1252.8	1252.8
175°	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1263.6	1256.4	1252.8	1254.6
177.5°	1267.2	1266.5	1263.5	1260.5	1263.5	1266.5	1267.2	1263.0	1257.4	1254.6	1255.8
180°	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5	1260.5



TEST NUMBER: P934928

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4881.1	4881.1	4881.1	4881.1	4881.1
2.5°	4821.1	4844.2	4858.0	4876.5	4922.7
5°	4636.3	4724.1	4751.8	4821.1	4904.1
7.5°	4230.0	4497.8	4571.7	4737.9	4867.2
10°	3837.5	4105.3	4234.5	4627.1	4821.1
12.5°	3638.9	3795.9	3883.6	4433.1	4756.4
15°	3514.2	3625.0	3689.7	4174.5	4682.5
17.5°	3417.2	3495.7	3541.9	3920.5	4580.9
20°	3357.2	3394.1	3435.7	3735.9	4465.5
22.5°	3315.6	3292.5	3324.9	3606.5	4308.5
25°	3287.9	3200.2	3237.1	3504.9	4123.7
27.5°	3311.0	3117.1	3130.9	3412.6	3929.8
30°	3315.6	3015.4	3020.1	3315.6	3712.8
32.5°	3283.3	2909.3	2913.8	3195.6	3468.0
35°	3204.8	2784.6	2779.9	3057.0	3135.5
37.5°	3098.6	2650.7	2650.7	2904.7	2770.8
40°	2969.3	2516.7	2530.6	2706.1	2447.5
42.5°	2812.2	2373.6	2392.1	2442.8	2207.3
45°	2641.4	2235.1	2248.9	2064.1	2022.6
47.5°	2452.1	2091.9	2096.5	1713.2	1962.6
50°	2225.8	1944.1	1925.6	1468.5	1958.0
52.5°	2027.2	1782.5	1727.0	1330.0	1777.9
55°	1833.3	1611.6	1491.5	1223.7	1648.5
57.5°	1662.5	1390.0	1274.5	1099.0	1620.9
60°	1505.4	1173.0	1085.2	965.1	1487.0
62.5°	1376.1	1011.3	992.9	872.8	1348.4
65°	1237.6	900.4	895.9	794.3	1145.2
67.5°	1103.7	826.6	821.9	720.3	872.8
70°	960.5	748.1	738.9	641.8	646.5
72.5°	812.8	660.4	651.1	577.3	535.7
75°	664.9	558.8	554.2	503.3	434.1
77.5°	521.9	443.4	452.5	406.3	318.6
80°	374.0	323.3	332.5	290.9	240.1
82.5°	249.3	212.4	221.7	184.7	161.6
85°	138.5	120.1	124.7	97.0	73.9
87.5°	64.7	55.4	55.4	36.9	23.1
90°	37.2	23.7	21.9	15.2	8.5
92.5°	229.5	163.3	148.9	91.3	33.8
95°	564.8	318.1	291.8	186.5	81.2
97.5°	760.8	349.4	326.2	233.3	140.4
100°	832.1	375.6	354.6	270.3	186.1
102.5°	864.8	401.8	382.1	303.6	225.0
105°	889.1	440.7	424.1	357.6	291.0
107.5°	893.6	498.3	482.7	420.7	358.7
110°	886.8	530.4	516.4	460.4	404.3



TEST NUMBER: P934928

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	887.2	569.3	556.0	502.6	449.2
115°	895.3	627.6	615.4	566.1	516.9
117.5°	911.9	684.3	673.1	628.5	583.7
120°	925.5	717.3	706.8	664.8	622.6
122.5°	944.9	756.3	745.6	703.1	660.7
125°	971.1	806.2	796.6	757.8	719.1
127.5°	997.4	854.4	844.7	805.6	766.5
130°	1016.5	886.5	876.0	834.0	791.8
132.5°	1032.0	912.7	902.2	860.2	818.0
135°	1049.0	943.2	933.7	895.3	857.0
137.5°	1074.4	982.1	972.7	934.7	896.7
140°	1089.8	1008.3	999.6	964.6	929.6
142.5°	1102.8	1027.8	1019.7	987.4	955.0
145°	1119.8	1057.5	1050.4	1022.2	994.0
147.5°	1144.6	1094.7	1087.8	1060.4	1032.9
150°	1157.5	1114.1	1107.9	1083.1	1058.3
152.5°	1166.0	1126.8	1122.0	1103.3	1084.5
155°	1184.6	1154.7	1151.2	1137.3	1123.4
157.5°	1203.2	1182.6	1179.3	1165.7	1152.1
160°	1211.7	1195.4	1192.7	1182.2	1171.6
162.5°	1220.6	1208.8	1206.8	1199.0	1191.1
165°	1233.6	1228.3	1226.5	1219.4	1212.3
167.5°	1243.8	1239.3	1238.5	1235.0	1231.6
170°	1252.3	1252.0	1251.2	1247.7	1244.4
172.5°	1252.8	1252.8	1252.7	1251.8	1251.1
175°	1257.9	1260.5	1260.5	1260.5	1260.5
177.5°	1258.5	1260.5	1260.5	1260.5	1260.5
180°	1260.5	1260.5	1260.5	1260.5	1260.5



TEST NUMBER: P934928
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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	15.18	16.15	16.04	17.03	18.14	18.03	19.00	18.89	19.88	20.99
	3H	15.67	16.53	16.54	17.42	18.56	19.39	20.26	20.27	21.15	22.29
	4H	15.86	16.68	16.75	17.58	18.72	19.85	20.67	20.73	21.56	22.71
	6H	15.99	16.74	16.89	17.65	18.80	20.14	20.90	21.04	21.80	22.96
	8H	15.99	16.71	16.90	17.63	18.79	20.22	20.94	21.13	21.86	23.02
	12H	15.97	16.65	16.88	17.57	18.75	20.27	20.95	21.18	21.87	23.05
4H	2H	16.23	17.05	17.12	17.95	19.09	18.45	19.27	19.35	20.17	21.32
	3H	17.27	17.95	18.17	18.88	20.04	19.98	20.66	20.88	21.59	22.75
	4H	17.55	18.17	18.47	19.10	20.28	20.51	21.14	21.43	22.06	23.25
	6H	17.68	18.22	18.61	19.17	20.35	20.89	21.43	21.82	22.38	23.56
	8H	17.69	18.19	18.62	19.13	20.33	21.00	21.50	21.93	22.45	23.65
	12H	17.66	18.11	18.61	19.07	20.28	21.07	21.52	22.02	22.48	23.69
8H	4H	18.02	18.52	18.95	19.46	20.66	20.65	21.15	21.58	22.09	23.29
	6H	18.28	18.70	19.24	19.68	20.88	21.09	21.51	22.05	22.49	23.69
	8H	18.33	18.69	19.29	19.67	20.88	21.25	21.62	22.22	22.59	23.81
	12H	18.31	18.64	19.28	19.60	20.87	21.36	21.68	22.33	22.65	23.91
12H	4H	18.03	18.48	18.98	19.44	20.65	20.62	21.07	21.57	22.03	23.23
	6H	18.34	18.71	19.31	19.69	20.90	21.09	21.46	22.06	22.43	23.65
	8H	18.42	18.74	19.39	19.71	20.97	21.26	21.58	22.23	22.55	23.82