

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: P935744

Luminaire Tested: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935744
REPORT IS A COMBINATION OF REPORTS P933768 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-8-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

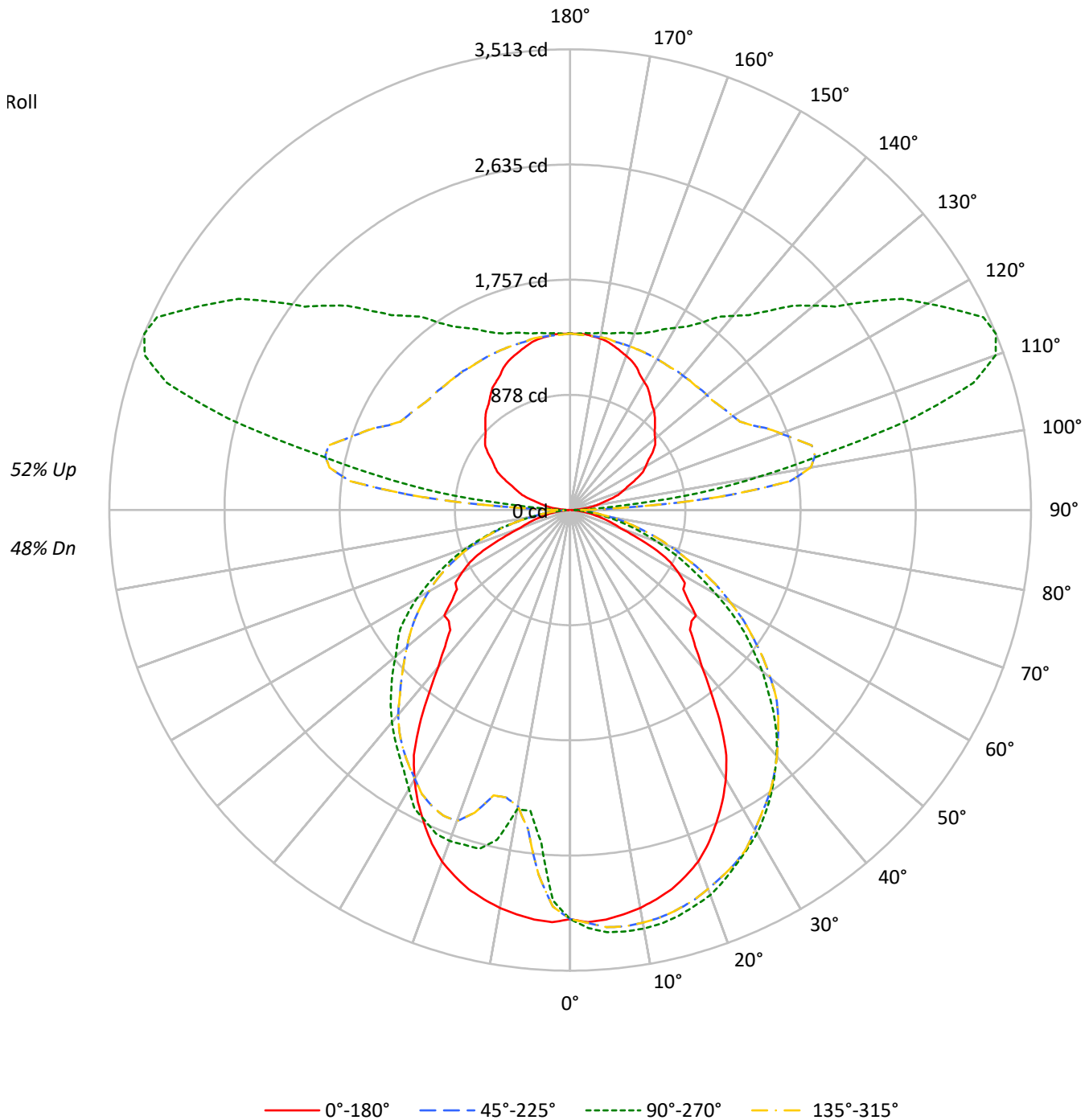
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16815.5 lumens
Efficiency: N/A
Efficacy: 111.8 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: General Diffuse

Input Watts (W): 150.4
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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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	50	30	10
RCR																				
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48
1	97	93	89	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41	41	41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	41	39	34	34	34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29	29	29
4	74	63	55	49	68	59	52	46	50	44	40	41	37	34	34	31	28	25	25	25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21	21	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19	19	19
7	58	45	38	32	53	42	35	30	36	31	26	30	26	23	25	22	19	17	17	17
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13	13	13
10	47	34	27	22	43	32	26	21	28	22	19	24	19	16	20	16	14	12	12	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14473	14473	14473	14473
5°	14581	14610	14581	11488
10°	14484	14391	14484	10289
15°	14326	14079	14326	11757
20°	14026	13710	14026	11781
25°	13414	13171	13414	11532
30°	12621	12724	12621	10984
35°	11251	12158	11251	10381
40°	9375	11493	9375	9926
45°	8377	10713	8377	9402
50°	8899	9783	8899	8877
55°	8373	8781	8373	8574
60°	8631	7458	8631	7853
65°	7825	6165	7825	6892
70°	5419	4913	5419	5777
75°	4751	3632	4751	4349
80°	3830	2401	3830	2615
85°	2199	1272	2199	1082

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 12838 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.6	1.7
10°-20°	799.5	4.8
20°-30°	1235.9	7.3
30°-40°	1475.4	8.8
40°-50°	1484.0	8.8
50°-60°	1291.3	7.7
60°-70°	915.5	5.4
70°-80°	484.4	2.9
80°-90°	125.8	0.7
90°-100°	655.9	3.9
100°-110°	1724.3	10.3
110°-120°	1787.9	10.6
120°-130°	1434.1	8.5
130°-140°	1125.3	6.7
140°-150°	863.7	5.1
150°-160°	622.0	3.7
160°-170°	380.6	2.3
170°-180°	128.6	0.8
0°-30°	2316.9	13.8
0°-40°	3792.3	22.6
0°-60°	6567.6	39.1
0°-90°	8093.3	48.1
90°-120°	4168.0	24.8
90°-150°	7591.1	45.1
90°-180°	8722.0	51.9
0°-180°	16815.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3119	3119	3119	3119	3119	
5°	3134	3232	3134	2541	3134	297
15°	2993	3202	2993	2674	2993	842
25°	2636	2987	2636	2615	2636	1210
35°	2004	2665	2004	2275	2004	1240
45°	1293	2196	1293	1927	1293	1035
55°	1054	1620	1054	1582	1054	968
65°	732	977	732	1092	732	699
75°	277	463	277	555	277	292
85°	47	118	47	100	47	64
90°	9	34	9	34	9	9
95°	87	396	87	396	87	96
105°	311	2700	311	2700	311	329
115°	552	3476	552	3476	552	545
125°	768	2769	768	2769	768	681
135°	915	2148	915	2148	915	708
145°	1061	1743	1061	1743	1061	665
155°	1199	1501	1199	1501	1199	551
165°	1294	1398	1294	1398	1294	365
175°	1346	1354	1346	1354	1346	128
180°	1346	1346	1346	1346	1346	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4
2.5°	3145.9	3145.9	3163.7	3169.6	3169.6	3160.8	3151.9	3160.8	3187.3	3196.2	3193.2
5°	3134.2	3157.8	3190.2	3196.2	3202.0	3199.1	3193.2	3199.1	3228.6	3234.5	3237.5
7.5°	3110.5	3154.8	3196.2	3205.0	3213.9	3205.0	3202.0	3208.0	3237.5	3243.4	3243.4
10°	3081.1	3143.1	3190.2	3196.2	3205.0	3196.2	3196.2	3208.0	3237.5	3243.4	3246.3
12.5°	3039.7	3125.3	3169.6	3175.5	3187.3	3184.3	3181.4	3193.2	3222.7	3228.6	3228.6
15°	2992.6	3092.8	3134.2	3140.1	3160.8	3154.8	3154.8	3166.6	3199.1	3208.0	3205.0
17.5°	2927.6	3051.5	3098.8	3107.6	3122.4	3119.4	3122.4	3134.2	3163.7	3169.6	3172.5
20°	2853.8	2995.4	3051.5	3060.4	3075.1	3075.1	3075.1	3089.9	3119.4	3131.2	3131.2
22.5°	2753.4	2936.5	2995.4	3001.4	3019.1	3019.1	3025.0	3045.7	3072.2	3075.1	3075.1
25°	2635.5	2871.5	2921.7	2939.4	2957.1	2966.0	2974.9	2986.6	2995.4	2992.6	2995.4
27.5°	2511.5	2788.9	2853.8	2865.6	2889.2	2898.1	2909.9	2912.9	2915.8	2924.6	2918.7
30°	2372.8	2673.8	2771.1	2783.0	2821.4	2827.2	2815.4	2821.4	2836.1	2842.0	2847.9
32.5°	2216.4	2502.7	2685.6	2712.2	2747.6	2729.9	2726.9	2735.7	2759.4	2759.4	2765.3
35°	2003.8	2369.8	2605.9	2629.5	2656.0	2635.5	2647.2	2650.2	2664.9	2673.8	2670.9
37.5°	1770.8	2254.7	2523.3	2541.0	2561.7	2535.1	2552.8	2561.7	2573.5	2567.5	2567.5
40°	1564.2	2074.7	2425.9	2437.7	2455.4	2434.7	2452.4	2458.4	2464.3	2458.4	2455.4
42.5°	1410.7	1877.0	2322.6	2337.3	2325.5	2340.3	2346.2	2358.0	2349.2	2337.3	2337.3
45°	1292.6	1823.9	2210.4	2228.1	2210.4	2234.1	2243.0	2243.0	2216.4	2210.4	2207.5
47.5°	1254.2	1717.6	2098.3	2098.3	2089.5	2119.0	2133.7	2113.0	2086.5	2077.6	2077.6
50°	1251.3	1599.6	1944.8	1933.0	1974.4	2009.8	1995.0	1974.4	1953.7	1921.3	1921.3
52.5°	1136.2	1454.9	1747.1	1791.4	1856.3	1877.0	1853.3	1832.7	1797.3	1782.5	1770.8
55°	1053.6	1304.5	1567.1	1655.6	1723.5	1750.1	1705.8	1685.1	1632.0	1623.2	1617.3
57.5°	1035.9	1086.0	1401.8	1513.9	1596.6	1593.6	1567.1	1528.8	1484.5	1475.6	1472.7
60°	950.3	785.0	1224.8	1357.6	1443.1	1434.3	1410.7	1375.3	1334.0	1328.0	1322.2
62.5°	861.7	569.6	1024.0	1174.5	1295.6	1292.6	1271.9	1218.8	1189.4	1174.5	1162.8
65°	731.9	478.1	728.9	976.9	1151.0	1156.8	1112.6	1074.3	1041.7	1024.0	1021.2
67.5°	557.8	389.5	492.9	814.6	1012.3	1006.3	950.3	932.6	891.3	882.4	864.7
70°	413.2	259.7	342.4	661.1	876.5	861.7	817.4	796.9	758.5	737.8	726.0
72.5°	342.4	209.5	250.9	513.5	737.8	720.1	681.8	658.1	625.7	608.0	596.1
75°	277.4	221.3	191.8	380.7	599.1	587.3	551.9	528.3	501.7	478.1	481.0
77.5°	203.6	206.6	153.5	280.4	475.2	457.5	436.8	407.2	395.5	371.8	371.8
80°	153.5	162.3	115.1	191.8	342.4	342.4	324.7	304.0	283.3	271.6	271.6
82.5°	103.2	103.2	85.5	121.0	233.2	224.3	212.5	206.6	194.8	188.9	188.9
85°	47.2	59.0	53.1	73.8	126.9	132.8	132.8	126.9	123.9	118.1	121.0
87.5°	14.7	26.6	32.4	41.3	65.0	67.8	70.8	70.8	70.8	73.8	73.8
90°	9.1	16.3	23.5	25.3	39.8	59.0	68.6	61.0	45.7	34.3	34.3
92.5°	36.1	97.5	159.0	174.3	245.0	339.3	386.5	338.7	243.2	171.5	164.7
95°	86.7	199.1	311.5	339.6	602.9	954.1	1129.6	1008.1	764.9	582.4	561.8
97.5°	149.9	249.1	348.2	373.0	812.1	1397.7	1690.4	1613.6	1459.9	1344.6	1305.3
100°	198.6	288.6	378.5	401.0	888.3	1538.0	1862.9	1868.5	1879.8	1888.2	1841.4
102.5°	240.2	324.0	407.9	429.0	923.2	1582.2	1911.7	2009.6	2205.5	2352.3	2312.2
105°	310.6	381.7	452.7	470.5	949.0	1587.2	1906.3	2125.8	2564.8	2894.1	2872.6
107.5°	382.9	449.1	515.3	531.9	953.8	1516.6	1797.9	2104.1	2716.6	3175.9	3181.1
110°	431.7	491.5	551.3	566.2	946.7	1453.9	1707.6	2050.0	2734.6	3248.1	3270.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	479.5	536.5	593.5	607.7	946.9	1399.3	1625.4	1975.8	2676.4	3202.0	3236.6
115°	551.7	604.3	656.8	670.0	955.7	1336.6	1527.0	1864.5	2539.5	3045.8	3093.7
117.5°	623.1	670.9	718.6	730.5	973.5	1297.3	1459.3	1763.9	2373.1	2830.0	2883.1
120°	664.6	709.6	754.5	765.7	987.8	1284.1	1432.1	1710.5	2267.1	2684.6	2736.2
122.5°	705.2	750.6	795.9	807.2	1008.6	1277.1	1411.4	1662.0	2163.3	2539.3	2590.1
125°	767.6	808.9	850.2	860.5	1036.6	1271.4	1388.8	1601.8	2027.6	2346.9	2393.7
127.5°	818.1	859.9	901.6	912.1	1064.7	1268.1	1369.9	1552.7	1918.3	2192.5	2232.0
130°	845.2	890.2	935.1	946.3	1085.1	1270.1	1362.6	1525.4	1850.9	2095.0	2131.5
132.5°	873.2	918.2	963.1	974.3	1101.6	1271.4	1356.3	1502.0	1793.3	2011.9	2044.6
135°	914.8	955.7	996.6	1006.9	1119.7	1270.2	1345.5	1467.5	1711.5	1894.5	1922.7
137.5°	957.1	997.7	1038.2	1048.4	1146.8	1278.1	1343.6	1446.8	1653.1	1807.8	1830.9
140°	992.4	1029.7	1067.0	1076.4	1163.4	1279.4	1337.4	1426.5	1604.6	1738.3	1759.9
142.5°	1019.5	1054.0	1088.5	1097.1	1177.2	1284.0	1337.4	1415.6	1572.1	1689.5	1708.1
145°	1061.0	1091.1	1121.3	1128.8	1195.3	1284.0	1328.3	1392.3	1520.4	1616.4	1630.4
147.5°	1102.6	1131.9	1161.2	1168.5	1221.8	1292.8	1328.3	1378.7	1479.4	1555.0	1566.6
150°	1129.6	1156.1	1182.7	1189.3	1235.6	1297.4	1328.3	1370.8	1455.9	1519.8	1529.2
152.5°	1157.6	1177.7	1197.7	1202.8	1244.7	1300.4	1328.3	1364.6	1437.3	1491.8	1498.9
155°	1199.2	1214.0	1228.9	1232.6	1264.5	1307.0	1328.3	1357.2	1415.0	1458.4	1463.1
157.5°	1229.9	1244.3	1258.8	1262.4	1284.3	1313.6	1328.3	1350.8	1395.7	1429.4	1432.8
160°	1250.7	1261.9	1273.2	1276.0	1293.4	1316.7	1328.3	1347.6	1386.1	1415.0	1416.9
162.5°	1271.4	1279.8	1288.3	1290.3	1303.0	1319.8	1328.3	1344.5	1377.0	1401.4	1403.3
165°	1294.0	1301.7	1309.3	1311.2	1316.9	1324.4	1328.3	1340.0	1363.3	1380.7	1382.6
167.5°	1314.8	1318.3	1322.0	1322.9	1327.7	1334.1	1337.4	1344.9	1360.2	1371.6	1372.4
170°	1328.3	1331.9	1335.6	1336.5	1336.7	1337.2	1337.4	1344.9	1360.2	1371.6	1371.6
172.5°	1335.5	1336.3	1337.2	1337.4	1337.4	1337.4	1337.4	1343.4	1355.4	1364.5	1363.8
175°	1345.5	1345.5	1345.5	1345.5	1342.8	1339.2	1337.4	1341.2	1348.8	1354.5	1354.5
177.5°	1345.5	1345.5	1345.5	1345.5	1343.4	1340.6	1339.2	1342.1	1348.2	1352.7	1351.9
180°	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4
2.5°	3199.1	3190.2	3199.1	3193.2	3196.2	3187.3	3160.8	3151.9	3160.8	3169.6	3169.6
5°	3237.5	3231.6	3237.5	3237.5	3234.5	3228.6	3199.1	3193.2	3199.1	3202.0	3196.2
7.5°	3249.3	3240.4	3249.3	3243.4	3243.4	3237.5	3208.0	3202.0	3205.0	3213.9	3205.0
10°	3249.3	3240.4	3249.3	3246.3	3243.4	3237.5	3208.0	3196.2	3196.2	3205.0	3196.2
12.5°	3234.5	3228.6	3234.5	3228.6	3228.6	3222.7	3193.2	3181.4	3184.3	3187.3	3175.5
15°	3210.9	3202.0	3210.9	3205.0	3208.0	3199.1	3166.6	3154.8	3154.8	3160.8	3140.1
17.5°	3175.5	3163.7	3175.5	3172.5	3169.6	3163.7	3134.2	3122.4	3119.4	3122.4	3107.6
20°	3134.2	3125.3	3134.2	3131.2	3131.2	3119.4	3089.9	3075.1	3075.1	3075.1	3060.4
22.5°	3069.2	3060.4	3069.2	3075.1	3075.1	3072.2	3045.7	3025.0	3019.1	3019.1	3001.4
25°	2995.4	2986.6	2995.4	2995.4	2992.6	2995.4	2986.6	2974.9	2966.0	2957.1	2939.4
27.5°	2924.6	2918.7	2924.6	2918.7	2924.6	2915.8	2912.9	2909.9	2898.1	2889.2	2865.6
30°	2853.8	2847.9	2853.8	2847.9	2842.0	2836.1	2821.4	2815.4	2827.2	2821.4	2783.0
32.5°	2765.3	2759.4	2765.3	2765.3	2759.4	2759.4	2735.7	2726.9	2729.9	2747.6	2712.2
35°	2673.8	2664.9	2673.8	2670.9	2673.8	2664.9	2650.2	2647.2	2635.5	2656.0	2629.5
37.5°	2567.5	2558.7	2567.5	2567.5	2567.5	2573.5	2561.7	2552.8	2535.1	2561.7	2541.0
40°	2458.4	2446.6	2458.4	2455.4	2458.4	2464.3	2458.4	2452.4	2434.7	2455.4	2437.7
42.5°	2334.4	2331.5	2334.4	2337.3	2337.3	2349.2	2358.0	2346.2	2340.3	2325.5	2337.3
45°	2201.6	2195.7	2201.6	2207.5	2210.4	2216.4	2243.0	2243.0	2234.1	2210.4	2228.1
47.5°	2059.9	2045.2	2059.9	2077.6	2077.6	2086.5	2113.0	2133.7	2119.0	2089.5	2098.3
50°	1909.4	1912.4	1909.4	1921.3	1921.3	1953.7	1974.4	1995.0	2009.8	1974.4	1933.0
52.5°	1761.9	1758.9	1761.9	1770.8	1782.5	1797.3	1832.7	1853.3	1877.0	1856.3	1791.4
55°	1614.3	1620.2	1614.3	1617.3	1623.2	1632.0	1685.1	1705.8	1750.1	1723.5	1655.6
57.5°	1466.8	1457.9	1466.8	1472.7	1475.6	1484.5	1528.8	1567.1	1593.6	1596.6	1513.9
60°	1295.6	1283.8	1295.6	1322.2	1328.0	1334.0	1375.3	1410.7	1434.3	1443.1	1357.6
62.5°	1145.1	1124.4	1145.1	1162.8	1174.5	1189.4	1218.8	1271.9	1292.6	1295.6	1174.5
65°	985.7	976.9	985.7	1021.2	1024.0	1041.7	1074.3	1112.6	1156.8	1151.0	976.9
67.5°	841.1	841.1	841.1	864.7	882.4	891.3	932.6	950.3	1006.3	1012.3	814.6
70°	708.3	705.3	708.3	726.0	737.8	758.5	796.9	817.4	861.7	876.5	661.1
72.5°	581.4	578.4	581.4	596.1	608.0	625.7	658.1	681.8	720.1	737.8	513.5
75°	469.2	463.3	469.2	481.0	478.1	501.7	528.3	551.9	587.3	599.1	380.7
77.5°	360.1	360.1	360.1	371.8	371.8	395.5	407.2	436.8	457.5	475.2	280.4
80°	268.6	265.6	268.6	271.6	271.6	283.3	304.0	324.7	342.4	342.4	191.8
82.5°	188.9	183.0	188.9	188.9	188.9	194.8	206.6	212.5	224.3	233.2	121.0
85°	118.1	118.1	118.1	121.0	118.1	123.9	126.9	132.8	132.8	126.9	73.8
87.5°	76.7	73.8	76.7	73.8	73.8	70.8	70.8	70.8	67.8	65.0	41.3
90°	34.3	34.3	34.3	34.3	34.3	45.7	61.0	68.6	59.0	39.8	25.3
92.5°	137.4	110.1	137.4	164.7	171.5	243.2	338.7	386.5	339.3	245.0	174.3
95°	479.1	396.4	479.1	561.8	582.4	764.9	1008.1	1129.6	954.1	602.9	339.6
97.5°	1147.9	990.6	1147.9	1305.3	1344.6	1459.9	1613.6	1690.4	1397.7	812.1	373.0
100°	1653.9	1466.5	1653.9	1841.4	1888.2	1879.8	1868.5	1862.9	1538.0	888.3	401.0
102.5°	2151.7	1991.1	2151.7	2312.2	2352.3	2205.5	2009.6	1911.7	1582.2	923.2	429.0
105°	2786.2	2700.0	2786.2	2872.6	2894.1	2564.8	2125.8	1906.3	1587.2	949.0	470.5
107.5°	3201.9	3222.8	3201.9	3181.1	3175.9	2716.6	2104.1	1797.9	1516.6	953.8	531.9
110°	3360.5	3450.4	3360.5	3270.6	3248.1	2734.6	2050.0	1707.6	1453.9	946.7	566.2



TEST NUMBER: P935744

CATALOG NUMBER: SQ4-FA-125U-125D-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°	3374.6	3512.6	3374.6	3236.6	3202.0	2676.4	1975.8	1625.4	1399.3	946.9	607.7
115°	3285.1	3476.5	3285.1	3093.7	3045.8	2539.5	1864.5	1527.0	1336.6	955.7	670.0
117.5°	3095.4	3307.7	3095.4	2883.1	2830.0	2373.1	1763.9	1459.3	1297.3	973.5	730.5
120°	2942.5	3148.7	2942.5	2736.2	2684.6	2267.1	1710.5	1432.1	1284.1	987.8	765.7
122.5°	2793.6	2997.1	2793.6	2590.1	2539.3	2163.3	1662.0	1411.4	1277.1	1008.6	807.2
125°	2581.2	2768.6	2581.2	2393.7	2346.9	2027.6	1601.8	1388.8	1271.4	1036.6	860.5
127.5°	2390.2	2548.3	2390.2	2232.0	2192.5	1918.3	1552.7	1369.9	1268.1	1064.7	912.1
130°	2277.6	2423.6	2277.6	2131.5	2095.0	1850.9	1525.4	1362.6	1270.1	1085.1	946.3
132.5°	2175.5	2306.3	2175.5	2044.6	2011.9	1793.3	1502.0	1356.3	1271.4	1101.6	974.3
135°	2035.5	2148.3	2035.5	1922.7	1894.5	1711.5	1467.5	1345.5	1270.2	1119.7	1006.9
137.5°	1923.2	2015.5	1923.2	1830.9	1807.8	1653.1	1446.8	1343.6	1278.1	1146.8	1048.4
140°	1846.2	1932.4	1846.2	1759.9	1738.3	1604.6	1426.5	1337.4	1279.4	1163.4	1076.4
142.5°	1782.3	1856.6	1782.3	1708.1	1689.5	1572.1	1415.6	1337.4	1284.0	1177.2	1097.1
145°	1686.6	1742.8	1686.6	1630.4	1616.4	1520.4	1392.3	1328.3	1284.0	1195.3	1128.8
147.5°	1613.2	1659.7	1613.2	1566.6	1555.0	1479.4	1378.7	1328.3	1292.8	1221.8	1168.5
150°	1567.0	1604.6	1567.0	1529.2	1519.8	1455.9	1370.8	1328.3	1297.4	1235.6	1189.3
152.5°	1527.4	1555.9	1527.4	1498.9	1491.8	1437.3	1364.6	1328.3	1300.4	1244.7	1202.8
155°	1481.9	1500.8	1481.9	1463.1	1458.4	1415.0	1357.2	1328.3	1307.0	1264.5	1232.6
157.5°	1446.0	1459.3	1446.0	1432.8	1429.4	1395.7	1350.8	1328.3	1313.6	1284.3	1262.4
160°	1424.5	1432.1	1424.5	1416.9	1415.0	1386.1	1347.6	1328.3	1316.7	1293.4	1276.0
162.5°	1410.5	1417.8	1410.5	1403.3	1401.4	1377.0	1344.5	1328.3	1319.8	1303.0	1290.3
165°	1390.2	1397.9	1390.2	1382.6	1380.7	1363.3	1340.0	1328.3	1324.4	1316.9	1311.2
167.5°	1375.6	1378.9	1375.6	1372.4	1371.6	1360.2	1344.9	1337.4	1334.1	1327.7	1322.9
170°	1371.6	1371.6	1371.6	1371.6	1371.6	1360.2	1344.9	1337.4	1337.2	1336.7	1336.5
172.5°	1360.9	1358.1	1360.9	1363.8	1364.5	1355.4	1343.4	1337.4	1337.4	1337.4	1337.4
175°	1354.5	1354.5	1354.5	1354.5	1354.5	1348.8	1341.2	1337.4	1339.2	1342.8	1345.5
177.5°	1348.7	1345.5	1348.7	1351.9	1352.7	1348.2	1342.1	1339.2	1340.6	1343.4	1345.5
180°	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5



TEST NUMBER: P935744

CATALOG NUMBER: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4
2.5°	3163.7	3145.9	3145.9	3116.5	3104.7	3095.8	3081.1	3036.8	3025.0	3013.1	3030.9
5°	3190.2	3157.8	3134.2	3081.1	3036.8	3019.1	2963.0	2856.8	2786.0	2732.8	2703.3
7.5°	3196.2	3154.8	3110.5	3028.0	2921.7	2874.5	2703.3	2508.5	2455.4	2408.2	2378.6
10°	3190.2	3143.1	3081.1	2957.1	2706.3	2623.6	2452.4	2325.5	2293.1	2284.2	2293.1
12.5°	3169.6	3125.3	3039.7	2833.2	2482.0	2425.9	2325.5	2251.8	2245.8	2260.7	2340.3
15°	3134.2	3092.8	2992.6	2667.9	2358.0	2316.7	2245.8	2219.3	2251.8	2355.1	2594.1
17.5°	3098.8	3051.5	2927.6	2505.6	2263.5	2234.1	2183.9	2237.0	2420.0	2558.7	2638.3
20°	3051.5	2995.4	2853.8	2387.5	2195.7	2169.1	2145.6	2384.6	2523.3	2573.5	2617.8
22.5°	2995.4	2936.5	2753.4	2304.9	2124.9	2104.2	2119.0	2467.2	2523.3	2558.7	2597.1
25°	2921.7	2871.5	2635.5	2240.0	2068.8	2045.2	2101.3	2458.4	2490.8	2499.7	2576.4
27.5°	2853.8	2788.9	2511.5	2181.0	2000.9	1992.1	2116.0	2420.0	2443.6	2452.4	2535.1
30°	2771.1	2673.8	2372.8	2119.0	1930.1	1927.1	2119.0	2372.8	2366.9	2390.5	2473.1
32.5°	2685.6	2502.7	2216.4	2042.2	1862.2	1859.3	2098.3	2301.9	2296.1	2328.5	2390.5
35°	2605.9	2369.8	2003.8	1953.7	1776.6	1779.6	2048.1	2219.3	2222.3	2251.8	2290.1
37.5°	2523.3	2254.7	1770.8	1856.3	1694.0	1694.0	1980.2	2142.6	2136.7	2145.6	2198.7
40°	2425.9	2074.7	1564.2	1729.4	1617.3	1608.4	1897.6	2059.9	2039.3	2036.4	2110.1
42.5°	2322.6	1877.0	1410.7	1561.2	1528.8	1516.9	1797.3	1959.6	1921.3	1930.1	2024.5
45°	2210.4	1823.9	1292.6	1319.2	1437.2	1428.4	1688.1	1844.5	1817.9	1841.6	1939.0
47.5°	2098.3	1717.6	1254.2	1094.9	1339.9	1336.9	1567.1	1732.4	1717.6	1741.2	1844.5
50°	1944.8	1599.6	1251.3	938.5	1230.6	1242.5	1422.5	1623.2	1623.2	1643.8	1753.0
52.5°	1747.1	1454.9	1136.2	850.0	1103.7	1139.1	1295.6	1528.8	1534.6	1555.3	1652.7
55°	1567.1	1304.5	1053.6	782.0	953.2	1030.0	1171.7	1431.4	1443.1	1463.8	1552.3
57.5°	1401.8	1086.0	1035.9	702.4	814.6	888.3	1062.4	1336.9	1342.8	1360.5	1446.1
60°	1224.8	785.0	950.3	616.8	693.5	749.6	962.1	1224.8	1245.4	1257.2	1331.0
62.5°	1024.0	569.6	861.7	557.8	634.5	646.4	879.4	1118.5	1145.1	1154.0	1198.2
65°	728.9	478.1	731.9	507.6	572.5	575.5	790.9	1009.3	1032.9	1047.7	1080.1
67.5°	492.9	389.5	557.8	460.3	525.3	528.3	705.3	882.4	914.9	926.7	947.4
70°	342.4	259.7	413.2	410.2	472.2	478.1	613.8	767.3	796.9	805.7	817.4
72.5°	250.9	209.5	342.4	368.9	416.1	422.1	519.4	637.5	666.9	675.8	681.8
75°	191.8	221.3	277.4	321.7	354.1	357.1	424.9	519.4	540.1	546.0	548.9
77.5°	153.5	206.6	203.6	259.7	289.3	283.3	333.5	401.4	419.1	419.1	419.1
80°	115.1	162.3	153.5	185.9	212.5	206.6	239.0	286.3	292.1	298.1	295.1
82.5°	85.5	103.2	103.2	118.1	141.6	135.8	159.4	185.9	185.9	185.9	191.8
85°	53.1	59.0	47.2	62.0	79.7	76.7	88.5	100.4	103.2	103.2	97.4
87.5°	32.4	26.6	14.7	23.6	35.4	35.4	41.3	44.3	41.3	41.3	41.3
90°	23.5	16.3	9.1	16.3	23.5	25.3	39.8	59.0	68.6	61.0	45.7
92.5°	159.0	97.5	36.1	97.5	159.0	174.3	245.0	339.3	386.5	338.7	243.2
95°	311.5	199.1	86.7	199.1	311.5	339.6	602.9	954.1	1129.6	1008.1	764.9
97.5°	348.2	249.1	149.9	249.1	348.2	373.0	812.1	1397.7	1690.4	1613.6	1459.9
100°	378.5	288.6	198.6	288.6	378.5	401.0	888.3	1538.0	1862.9	1868.5	1879.8
102.5°	407.9	324.0	240.2	324.0	407.9	429.0	923.2	1582.2	1911.7	2009.6	2205.5
105°	452.7	381.7	310.6	381.7	452.7	470.5	949.0	1587.2	1906.3	2125.8	2564.8
107.5°	515.3	449.1	382.9	449.1	515.3	531.9	953.8	1516.6	1797.9	2104.1	2716.6
110°	551.3	491.5	431.7	491.5	551.3	566.2	946.7	1453.9	1707.6	2050.0	2734.6



TEST NUMBER: P935744

CATALOG NUMBER: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	593.5	536.5	479.5	536.5	593.5	607.7	946.9	1399.3	1625.4	1975.8	2676.4
115°	656.8	604.3	551.7	604.3	656.8	670.0	955.7	1336.6	1527.0	1864.5	2539.5
117.5°	718.6	670.9	623.1	670.9	718.6	730.5	973.5	1297.3	1459.3	1763.9	2373.1
120°	754.5	709.6	664.6	709.6	754.5	765.7	987.8	1284.1	1432.1	1710.5	2267.1
122.5°	795.9	750.6	705.2	750.6	795.9	807.2	1008.6	1277.1	1411.4	1662.0	2163.3
125°	850.2	808.9	767.6	808.9	850.2	860.5	1036.6	1271.4	1388.8	1601.8	2027.6
127.5°	901.6	859.9	818.1	859.9	901.6	912.1	1064.7	1268.1	1369.9	1552.7	1918.3
130°	935.1	890.2	845.2	890.2	935.1	946.3	1085.1	1270.1	1362.6	1525.4	1850.9
132.5°	963.1	918.2	873.2	918.2	963.1	974.3	1101.6	1271.4	1356.3	1502.0	1793.3
135°	996.6	955.7	914.8	955.7	996.6	1006.9	1119.7	1270.2	1345.5	1467.5	1711.5
137.5°	1038.2	997.7	957.1	997.7	1038.2	1048.4	1146.8	1278.1	1343.6	1446.8	1653.1
140°	1067.0	1029.7	992.4	1029.7	1067.0	1076.4	1163.4	1279.4	1337.4	1426.5	1604.6
142.5°	1088.5	1054.0	1019.5	1054.0	1088.5	1097.1	1177.2	1284.0	1337.4	1415.6	1572.1
145°	1121.3	1091.1	1061.0	1091.1	1121.3	1128.8	1195.3	1284.0	1328.3	1392.3	1520.4
147.5°	1161.2	1131.9	1102.6	1131.9	1161.2	1168.5	1221.8	1292.8	1328.3	1378.7	1479.4
150°	1182.7	1156.1	1129.6	1156.1	1182.7	1189.3	1235.6	1297.4	1328.3	1370.8	1455.9
152.5°	1197.7	1177.7	1157.6	1177.7	1197.7	1202.8	1244.7	1300.4	1328.3	1364.6	1437.3
155°	1228.9	1214.0	1199.2	1214.0	1228.9	1232.6	1264.5	1307.0	1328.3	1357.2	1415.0
157.5°	1258.8	1244.3	1229.9	1244.3	1258.8	1262.4	1284.3	1313.6	1328.3	1350.8	1395.7
160°	1273.2	1261.9	1250.7	1261.9	1273.2	1276.0	1293.4	1316.7	1328.3	1347.6	1386.1
162.5°	1288.3	1279.8	1271.4	1279.8	1288.3	1290.3	1303.0	1319.8	1328.3	1344.5	1377.0
165°	1309.3	1301.7	1294.0	1301.7	1309.3	1311.2	1316.9	1324.4	1328.3	1340.0	1363.3
167.5°	1322.0	1318.3	1314.8	1318.3	1322.0	1322.9	1327.7	1334.1	1337.4	1344.9	1360.2
170°	1335.6	1331.9	1328.3	1331.9	1335.6	1336.5	1336.7	1337.2	1337.4	1344.9	1360.2
172.5°	1337.2	1336.3	1335.5	1336.3	1337.2	1337.4	1337.4	1337.4	1337.4	1343.4	1355.4
175°	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1342.8	1339.2	1337.4	1341.2	1348.8
177.5°	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1343.4	1340.6	1339.2	1342.1	1348.2
180°	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5



TEST NUMBER: P935744

CATALOG NUMBER: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4
2.5°	3010.3	3001.4	3013.1	2980.7	3013.1	3001.4	3010.3	3030.9	3013.1	3025.0	3036.8
5°	2641.3	2626.6	2579.4	2541.0	2579.4	2626.6	2641.3	2703.3	2732.8	2786.0	2856.8
7.5°	2360.9	2349.2	2337.3	2313.8	2337.3	2349.2	2360.9	2378.6	2408.2	2455.4	2508.5
10°	2299.0	2301.9	2319.6	2316.7	2319.6	2301.9	2299.0	2293.1	2284.2	2293.1	2325.5
12.5°	2458.4	2484.9	2582.3	2576.4	2582.3	2484.9	2458.4	2340.3	2260.7	2245.8	2251.8
15°	2641.3	2650.2	2670.9	2673.8	2670.9	2650.2	2641.3	2594.1	2355.1	2251.8	2219.3
17.5°	2659.0	2662.0	2676.7	2676.7	2676.7	2662.0	2659.0	2638.3	2558.7	2420.0	2237.0
20°	2644.3	2650.2	2679.7	2685.6	2679.7	2650.2	2644.3	2617.8	2573.5	2523.3	2384.6
22.5°	2638.3	2650.2	2673.8	2670.9	2673.8	2650.2	2638.3	2597.1	2558.7	2523.3	2467.2
25°	2608.9	2608.9	2611.8	2614.8	2611.8	2608.9	2608.9	2576.4	2499.7	2490.8	2458.4
27.5°	2546.9	2552.8	2570.5	2567.5	2570.5	2552.8	2546.9	2535.1	2452.4	2443.6	2420.0
30°	2490.8	2484.9	2470.1	2458.4	2470.1	2484.9	2490.8	2473.1	2390.5	2366.9	2372.8
32.5°	2396.3	2381.6	2366.9	2358.0	2366.9	2381.6	2396.3	2390.5	2328.5	2296.1	2301.9
35°	2284.2	2287.2	2284.2	2275.4	2284.2	2287.2	2284.2	2290.1	2251.8	2222.3	2219.3
37.5°	2204.6	2210.4	2207.5	2195.7	2207.5	2210.4	2204.6	2198.7	2145.6	2136.7	2142.6
40°	2121.9	2124.9	2121.9	2113.0	2121.9	2124.9	2121.9	2110.1	2036.4	2039.3	2059.9
42.5°	2042.2	2039.3	2030.4	2024.5	2030.4	2039.3	2042.2	2024.5	1930.1	1921.3	1959.6
45°	1950.7	1953.7	1936.0	1927.1	1936.0	1953.7	1950.7	1939.0	1841.6	1817.9	1844.5
47.5°	1859.3	1859.3	1844.5	1835.6	1844.5	1859.3	1859.3	1844.5	1741.2	1717.6	1732.4
50°	1761.9	1758.9	1738.2	1735.3	1738.2	1758.9	1761.9	1753.0	1643.8	1623.2	1623.2
52.5°	1649.7	1649.7	1652.7	1658.6	1652.7	1649.7	1649.7	1652.7	1555.3	1534.6	1528.8
55°	1552.3	1555.3	1575.9	1581.9	1575.9	1555.3	1552.3	1552.3	1463.8	1443.1	1431.4
57.5°	1452.0	1452.0	1466.8	1466.8	1466.8	1452.0	1452.0	1446.1	1360.5	1342.8	1336.9
60°	1336.9	1342.8	1354.6	1351.7	1354.6	1342.8	1336.9	1331.0	1257.2	1245.4	1224.8
62.5°	1215.9	1221.8	1224.8	1218.8	1224.8	1221.8	1215.9	1198.2	1154.0	1145.1	1118.5
65°	1089.0	1094.9	1097.9	1092.0	1097.9	1094.9	1089.0	1080.1	1047.7	1032.9	1009.3
67.5°	959.2	956.2	953.2	965.1	953.2	956.2	959.2	947.4	926.7	914.9	882.4
70°	826.3	826.3	823.4	829.3	823.4	826.3	826.3	817.4	805.7	796.9	767.3
72.5°	684.7	681.8	693.5	684.7	693.5	681.8	684.7	681.8	675.8	666.9	637.5
75°	546.0	551.9	546.0	554.8	546.0	551.9	546.0	548.9	546.0	540.1	519.4
77.5°	416.1	422.1	416.1	416.1	416.1	422.1	416.1	419.1	419.1	419.1	401.4
80°	295.1	292.1	292.1	289.3	292.1	292.1	295.1	295.1	298.1	292.1	286.3
82.5°	188.9	185.9	185.9	191.8	185.9	185.9	188.9	191.8	185.9	185.9	185.9
85°	103.2	106.2	100.4	100.4	100.4	106.2	103.2	97.4	103.2	103.2	100.4
87.5°	38.4	35.4	35.4	35.4	35.4	35.4	38.4	41.3	41.3	41.3	44.3
90°	34.3	34.3	34.3	34.3	34.3	34.3	34.3	45.7	61.0	68.6	59.0
92.5°	171.5	164.7	137.4	110.1	137.4	164.7	171.5	243.2	338.7	386.5	339.3
95°	582.4	561.8	479.1	396.4	479.1	561.8	582.4	764.9	1008.1	1129.6	954.1
97.5°	1344.6	1305.3	1147.9	990.6	1147.9	1305.3	1344.6	1459.9	1613.6	1690.4	1397.7
100°	1888.2	1841.4	1653.9	1466.5	1653.9	1841.4	1888.2	1879.8	1868.5	1862.9	1538.0
102.5°	2352.3	2312.2	2151.7	1991.1	2151.7	2312.2	2352.3	2205.5	2009.6	1911.7	1582.2
105°	2894.1	2872.6	2786.2	2700.0	2786.2	2872.6	2894.1	2564.8	2125.8	1906.3	1587.2
107.5°	3175.9	3181.1	3201.9	3222.8	3201.9	3181.1	3175.9	2716.6	2104.1	1797.9	1516.6
110°	3248.1	3270.6	3360.5	3450.4	3360.5	3270.6	3248.1	2734.6	2050.0	1707.6	1453.9



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3202.0	3236.6	3374.6	3512.6	3374.6	3236.6	3202.0	2676.4	1975.8	1625.4	1399.3
115°	3045.8	3093.7	3285.1	3476.5	3285.1	3093.7	3045.8	2539.5	1864.5	1527.0	1336.6
117.5°	2830.0	2883.1	3095.4	3307.7	3095.4	2883.1	2830.0	2373.1	1763.9	1459.3	1297.3
120°	2684.6	2736.2	2942.5	3148.7	2942.5	2736.2	2684.6	2267.1	1710.5	1432.1	1284.1
122.5°	2539.3	2590.1	2793.6	2997.1	2793.6	2590.1	2539.3	2163.3	1662.0	1411.4	1277.1
125°	2346.9	2393.7	2581.2	2768.6	2581.2	2393.7	2346.9	2027.6	1601.8	1388.8	1271.4
127.5°	2192.5	2232.0	2390.2	2548.3	2390.2	2232.0	2192.5	1918.3	1552.7	1369.9	1268.1
130°	2095.0	2131.5	2277.6	2423.6	2277.6	2131.5	2095.0	1850.9	1525.4	1362.6	1270.1
132.5°	2011.9	2044.6	2175.5	2306.3	2175.5	2044.6	2011.9	1793.3	1502.0	1356.3	1271.4
135°	1894.5	1922.7	2035.5	2148.3	2035.5	1922.7	1894.5	1711.5	1467.5	1345.5	1270.2
137.5°	1807.8	1830.9	1923.2	2015.5	1923.2	1830.9	1807.8	1653.1	1446.8	1343.6	1278.1
140°	1738.3	1759.9	1846.2	1932.4	1846.2	1759.9	1738.3	1604.6	1426.5	1337.4	1279.4
142.5°	1689.5	1708.1	1782.3	1856.6	1782.3	1708.1	1689.5	1572.1	1415.6	1337.4	1284.0
145°	1616.4	1630.4	1686.6	1742.8	1686.6	1630.4	1616.4	1520.4	1392.3	1328.3	1284.0
147.5°	1555.0	1566.6	1613.2	1659.7	1613.2	1566.6	1555.0	1479.4	1378.7	1328.3	1292.8
150°	1519.8	1529.2	1567.0	1604.6	1567.0	1529.2	1519.8	1455.9	1370.8	1328.3	1297.4
152.5°	1491.8	1498.9	1527.4	1555.9	1527.4	1498.9	1491.8	1437.3	1364.6	1328.3	1300.4
155°	1458.4	1463.1	1481.9	1500.8	1481.9	1463.1	1458.4	1415.0	1357.2	1328.3	1307.0
157.5°	1429.4	1432.8	1446.0	1459.3	1446.0	1432.8	1429.4	1395.7	1350.8	1328.3	1313.6
160°	1415.0	1416.9	1424.5	1432.1	1424.5	1416.9	1415.0	1386.1	1347.6	1328.3	1316.7
162.5°	1401.4	1403.3	1410.5	1417.8	1410.5	1403.3	1401.4	1377.0	1344.5	1328.3	1319.8
165°	1380.7	1382.6	1390.2	1397.9	1390.2	1382.6	1380.7	1363.3	1340.0	1328.3	1324.4
167.5°	1371.6	1372.4	1375.6	1378.9	1375.6	1372.4	1371.6	1360.2	1344.9	1337.4	1334.1
170°	1371.6	1371.6	1371.6	1371.6	1371.6	1371.6	1371.6	1360.2	1344.9	1337.4	1337.2
172.5°	1364.5	1363.8	1360.9	1358.1	1360.9	1363.8	1364.5	1355.4	1343.4	1337.4	1337.4
175°	1354.5	1354.5	1354.5	1354.5	1354.5	1354.5	1354.5	1348.8	1341.2	1337.4	1339.2
177.5°	1352.7	1351.9	1348.7	1345.5	1348.7	1351.9	1352.7	1348.2	1342.1	1339.2	1340.6
180°	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5	1345.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3119.4	3119.4	3119.4	3119.4	3119.4
2.5°	3081.1	3095.8	3104.7	3116.5	3145.9
5°	2963.0	3019.1	3036.8	3081.1	3134.2
7.5°	2703.3	2874.5	2921.7	3028.0	3110.5
10°	2452.4	2623.6	2706.3	2957.1	3081.1
12.5°	2325.5	2425.9	2482.0	2833.2	3039.7
15°	2245.8	2316.7	2358.0	2667.9	2992.6
17.5°	2183.9	2234.1	2263.5	2505.6	2927.6
20°	2145.6	2169.1	2195.7	2387.5	2853.8
22.5°	2119.0	2104.2	2124.9	2304.9	2753.4
25°	2101.3	2045.2	2068.8	2240.0	2635.5
27.5°	2116.0	1992.1	2000.9	2181.0	2511.5
30°	2119.0	1927.1	1930.1	2119.0	2372.8
32.5°	2098.3	1859.3	1862.2	2042.2	2216.4
35°	2048.1	1779.6	1776.6	1953.7	2003.8
37.5°	1980.2	1694.0	1694.0	1856.3	1770.8
40°	1897.6	1608.4	1617.3	1729.4	1564.2
42.5°	1797.3	1516.9	1528.8	1561.2	1410.7
45°	1688.1	1428.4	1437.2	1319.2	1292.6
47.5°	1567.1	1336.9	1339.9	1094.9	1254.2
50°	1422.5	1242.5	1230.6	938.5	1251.3
52.5°	1295.6	1139.1	1103.7	850.0	1136.2
55°	1171.7	1030.0	953.2	782.0	1053.6
57.5°	1062.4	888.3	814.6	702.4	1035.9
60°	962.1	749.6	693.5	616.8	950.3
62.5°	879.4	646.4	634.5	557.8	861.7
65°	790.9	575.5	572.5	507.6	731.9
67.5°	705.3	528.3	525.3	460.3	557.8
70°	613.8	478.1	472.2	410.2	413.2
72.5°	519.4	422.1	416.1	368.9	342.4
75°	424.9	357.1	354.1	321.7	277.4
77.5°	333.5	283.3	289.3	259.7	203.6
80°	239.0	206.6	212.5	185.9	153.5
82.5°	159.4	135.8	141.6	118.1	103.2
85°	88.5	76.7	79.7	62.0	47.2
87.5°	41.3	35.4	35.4	23.6	14.7
90°	39.8	25.3	23.5	16.3	9.1
92.5°	245.0	174.3	159.0	97.5	36.1
95°	602.9	339.6	311.5	199.1	86.7
97.5°	812.1	373.0	348.2	249.1	149.9
100°	888.3	401.0	378.5	288.6	198.6
102.5°	923.2	429.0	407.9	324.0	240.2
105°	949.0	470.5	452.7	381.7	310.6
107.5°	953.8	531.9	515.3	449.1	382.9
110°	946.7	566.2	551.3	491.5	431.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	946.9	607.7	593.5	536.5	479.5
115°	955.7	670.0	656.8	604.3	551.7
117.5°	973.5	730.5	718.6	670.9	623.1
120°	987.8	765.7	754.5	709.6	664.6
122.5°	1008.6	807.2	795.9	750.6	705.2
125°	1036.6	860.5	850.2	808.9	767.6
127.5°	1064.7	912.1	901.6	859.9	818.1
130°	1085.1	946.3	935.1	890.2	845.2
132.5°	1101.6	974.3	963.1	918.2	873.2
135°	1119.7	1006.9	996.6	955.7	914.8
137.5°	1146.8	1048.4	1038.2	997.7	957.1
140°	1163.4	1076.4	1067.0	1029.7	992.4
142.5°	1177.2	1097.1	1088.5	1054.0	1019.5
145°	1195.3	1128.8	1121.3	1091.1	1061.0
147.5°	1221.8	1168.5	1161.2	1131.9	1102.6
150°	1235.6	1189.3	1182.7	1156.1	1129.6
152.5°	1244.7	1202.8	1197.7	1177.7	1157.6
155°	1264.5	1232.6	1228.9	1214.0	1199.2
157.5°	1284.3	1262.4	1258.8	1244.3	1229.9
160°	1293.4	1276.0	1273.2	1261.9	1250.7
162.5°	1303.0	1290.3	1288.3	1279.8	1271.4
165°	1316.9	1311.2	1309.3	1301.7	1294.0
167.5°	1327.7	1322.9	1322.0	1318.3	1314.8
170°	1336.7	1336.5	1335.6	1331.9	1328.3
172.5°	1337.4	1337.4	1337.2	1336.3	1335.5
175°	1342.8	1345.5	1345.5	1345.5	1345.5
177.5°	1343.4	1345.5	1345.5	1345.5	1345.5
180°	1345.5	1345.5	1345.5	1345.5	1345.5



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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	13.92	14.76	14.89	15.75	17.05	16.75	17.60	17.73	18.59	19.88
	3H	14.39	15.15	15.38	16.14	17.46	18.10	18.86	19.08	19.85	21.17
	4H	14.58	15.30	15.58	16.30	17.63	18.55	19.26	19.54	20.26	21.59
	6H	14.70	15.36	15.71	16.36	17.70	18.83	19.49	19.84	20.50	21.84
	8H	14.70	15.33	15.71	16.35	17.69	18.91	19.53	19.92	20.56	21.89
	12H	14.67	15.27	15.69	16.28	17.64	18.95	19.54	19.97	20.56	21.92
4H	2H	14.95	15.66	15.95	16.66	17.99	17.16	17.88	18.16	18.88	20.20
	3H	15.97	16.57	16.99	17.60	18.94	18.67	19.26	19.68	20.29	21.63
	4H	16.25	16.80	17.27	17.82	19.18	19.20	19.74	20.22	20.76	22.13
	6H	16.37	16.84	17.40	17.89	19.25	19.56	20.03	20.59	21.08	22.44
	8H	16.38	16.82	17.41	17.85	19.23	19.67	20.11	20.70	21.15	22.52
	12H	16.35	16.74	17.40	17.79	19.17	19.73	20.12	20.78	21.18	22.56
8H	4H	16.70	17.14	17.74	18.18	19.55	19.32	19.76	20.35	20.79	22.17
	6H	16.96	17.33	18.02	18.41	19.78	19.76	20.12	20.81	21.20	22.57
	8H	17.01	17.33	18.07	18.39	19.78	19.91	20.23	20.97	21.29	22.69
	12H	16.99	17.27	18.06	18.33	19.76	20.01	20.29	21.08	21.35	22.78
12H	4H	16.71	17.10	17.76	18.16	19.54	19.28	19.68	20.33	20.73	22.11
	6H	17.02	17.34	18.09	18.41	19.80	19.75	20.07	20.82	21.14	22.53
	8H	17.09	17.37	18.16	18.43	19.86	19.92	20.20	20.98	21.26	22.69