

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: P935539

Luminaire Tested: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-6-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935539
REPORT IS A COMBINATION OF REPORTS P933759 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-6-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

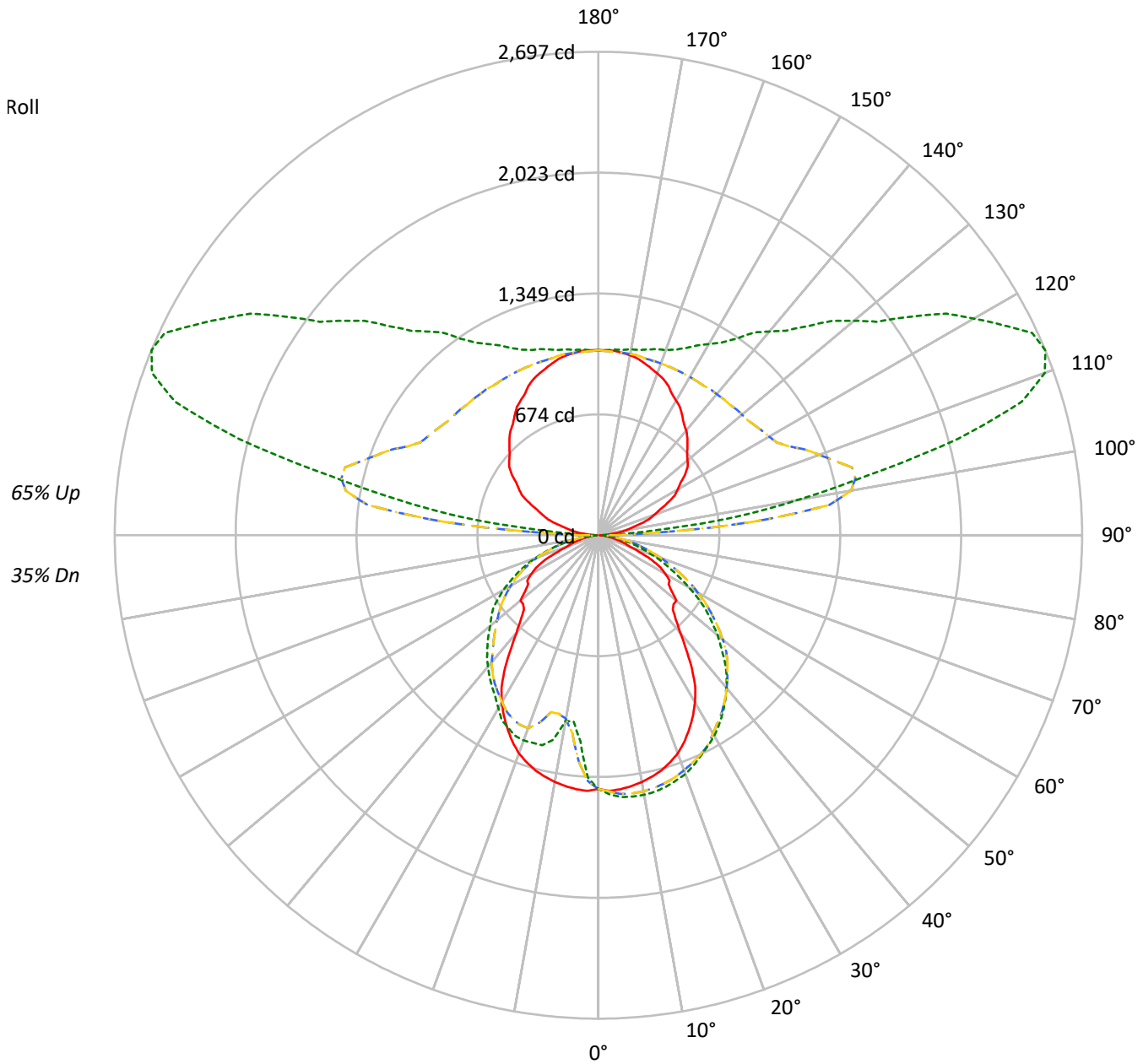
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10369.5 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 83.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35			35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30			30
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25			25
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21			21
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18			18
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16			16
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14			14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12			12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11			11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10			10
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9			9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8755	8755	8755	8755
5°	8817	8838	8817	6949
10°	8755	8705	8755	6224
15°	8657	8517	8657	7112
20°	8472	8293	8472	7127
25°	8099	7968	8099	6976
30°	7616	7697	7616	6644
35°	6786	7355	6786	6280
40°	5651	6952	5651	6005
45°	5047	6481	5047	5688
50°	5357	5918	5357	5370
55°	5035	5312	5035	5186
60°	5184	4511	5184	4750
65°	4693	3730	4693	4169
70°	3243	2972	3243	3494
75°	2833	2197	2833	2631
80°	2265	1452	2265	1581
85°	1276	770	1276	654

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7740 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.8	1.2
10°-20°	362.7	3.5
20°-30°	560.7	5.4
30°-40°	669.4	6.5
40°-50°	673.3	6.5
50°-60°	585.8	5.6
60°-70°	415.4	4.0
70°-80°	219.7	2.1
80°-90°	58.7	0.6
90°-100°	503.5	4.9
100°-110°	1323.7	12.8
110°-120°	1372.6	13.2
120°-130°	1101.0	10.6
130°-140°	863.9	8.3
140°-150°	663.1	6.4
150°-160°	477.5	4.6
160°-170°	292.2	2.8
170°-180°	98.7	1.0
0°-30°	1051.2	10.1
0°-40°	1720.5	16.6
0°-60°	2979.6	28.7
0°-90°	3673.4	35.4
90°-120°	3199.8	30.9
90°-150°	5827.7	56.2
90°-180°	6696.0	64.6
0°-180°	10369.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1415	1415	1415	1415	1415	
5°	1422	1466	1422	1153	1422	135
15°	1358	1453	1358	1213	1358	382
25°	1196	1355	1196	1186	1196	549
35°	909	1209	909	1032	909	562
45°	586	996	586	874	586	470
55°	478	735	478	718	478	439
65°	332	443	332	495	332	317
75°	126	210	126	252	126	132
85°	21	54	21	46	21	29
90°	7	26	7	26	7	7
95°	67	304	67	304	67	74
105°	238	2073	238	2073	238	253
115°	424	2669	424	2669	424	418
125°	589	2126	589	2126	589	523
135°	702	1649	702	1649	702	543
145°	814	1338	814	1338	814	510
155°	921	1152	921	1152	921	423
165°	993	1073	993	1073	993	280
175°	1033	1040	1033	1040	1033	98
180°	1033	1033	1033	1033	1033	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2
2.5°	1427.3	1427.3	1435.3	1438.0	1438.0	1434.0	1430.0	1434.0	1446.0	1450.1	1448.7
5°	1421.9	1432.7	1447.4	1450.1	1452.7	1451.4	1448.7	1451.4	1464.8	1467.5	1468.8
7.5°	1411.2	1431.3	1450.1	1454.1	1458.1	1454.1	1452.7	1455.4	1468.8	1471.5	1471.5
10°	1397.8	1426.0	1447.4	1450.1	1454.1	1450.1	1450.1	1455.4	1468.8	1471.5	1472.8
12.5°	1379.1	1417.9	1438.0	1440.7	1446.0	1444.7	1443.4	1448.7	1462.1	1464.8	1464.8
15°	1357.7	1403.2	1421.9	1424.6	1434.0	1431.3	1431.3	1436.7	1451.4	1455.4	1454.1
17.5°	1328.2	1384.5	1405.9	1409.9	1416.6	1415.2	1416.6	1421.9	1435.3	1438.0	1439.3
20°	1294.7	1359.0	1384.5	1388.5	1395.2	1395.2	1395.2	1401.9	1415.2	1420.6	1420.6
22.5°	1249.2	1332.2	1359.0	1361.7	1369.7	1369.7	1372.4	1381.8	1393.8	1395.2	1395.2
25°	1195.7	1302.8	1325.5	1333.6	1341.6	1345.6	1349.6	1355.0	1359.0	1357.7	1359.0
27.5°	1139.4	1265.3	1294.7	1300.1	1310.8	1314.8	1320.2	1321.5	1322.9	1326.9	1324.2
30°	1076.5	1213.1	1257.3	1262.6	1280.0	1282.7	1277.3	1280.0	1286.7	1289.4	1292.1
32.5°	1005.5	1135.4	1218.4	1230.5	1246.5	1238.5	1237.2	1241.2	1251.9	1251.9	1254.6
35°	909.1	1075.2	1182.3	1193.0	1205.0	1195.7	1201.0	1202.4	1209.1	1213.1	1211.7
37.5°	803.4	1022.9	1144.8	1152.8	1162.2	1150.1	1158.2	1162.2	1167.5	1164.9	1164.9
40°	709.6	941.3	1100.6	1106.0	1114.0	1104.6	1112.7	1115.3	1118.0	1115.3	1114.0
42.5°	640.0	851.6	1053.7	1060.4	1055.1	1061.8	1064.4	1069.8	1065.8	1060.4	1060.4
45°	586.5	827.5	1002.9	1010.9	1002.9	1013.6	1017.6	1017.6	1005.5	1002.9	1001.5
47.5°	569.0	779.3	952.0	952.0	948.0	961.4	968.0	958.7	946.6	942.6	942.6
50°	567.7	725.7	882.4	877.0	895.7	911.8	905.1	895.7	886.4	871.6	871.6
52.5°	515.5	660.1	792.6	812.7	842.2	851.6	840.8	831.5	815.4	808.7	803.4
55°	478.0	591.8	711.0	751.1	781.9	794.0	773.9	764.5	740.4	736.4	733.7
57.5°	470.0	492.7	636.0	686.9	724.4	723.0	711.0	693.6	673.5	669.5	668.1
60°	431.1	356.2	555.7	615.9	654.7	650.7	640.0	623.9	605.2	602.5	599.8
62.5°	391.0	258.4	464.6	532.9	587.8	586.5	577.1	553.0	539.6	532.9	527.5
65°	332.1	216.9	330.7	443.2	522.2	524.9	504.8	487.4	472.6	464.6	463.3
67.5°	253.1	176.7	223.6	369.5	459.3	456.6	431.1	423.1	404.4	400.3	392.3
70°	187.5	117.8	155.3	299.9	397.7	391.0	370.9	361.5	344.1	334.7	329.4
72.5°	155.3	95.1	113.8	233.0	334.7	326.7	309.3	298.6	283.9	275.8	270.5
75°	125.9	100.4	87.0	172.7	271.8	266.4	250.4	239.7	227.6	216.9	218.2
77.5°	92.4	93.7	69.6	127.2	215.6	207.5	198.2	184.8	179.4	168.7	168.7
80°	69.6	73.6	52.2	87.0	155.3	155.3	147.3	137.9	128.5	123.2	123.2
82.5°	46.9	46.9	38.8	54.9	105.8	101.8	96.4	93.7	88.4	85.7	85.7
85°	21.4	26.8	24.1	33.5	57.6	60.3	60.3	57.6	56.2	53.6	54.9
87.5°	6.7	12.1	14.7	18.7	29.5	30.8	32.1	32.1	32.1	33.5	33.5
90°	7.0	12.5	18.0	19.4	30.4	45.3	52.7	46.8	35.1	26.3	26.3
92.5°	27.8	74.9	122.0	133.8	188.1	260.5	296.7	260.0	186.7	131.8	126.5
95°	66.6	152.8	239.0	260.6	462.8	732.5	867.3	773.9	587.2	447.1	431.2
97.5°	115.1	191.1	267.3	286.3	623.4	1073.0	1297.8	1238.8	1120.8	1032.2	1002.1
100°	152.5	221.5	290.5	307.8	681.9	1180.8	1430.2	1434.4	1443.1	1449.5	1413.6
102.5°	184.4	248.8	313.2	329.3	708.7	1214.6	1467.6	1542.7	1693.1	1805.9	1775.1
105°	238.5	293.0	347.5	361.2	728.6	1218.5	1463.5	1632.0	1969.0	2221.8	2205.2
107.5°	293.9	344.7	395.6	408.3	732.3	1164.2	1380.3	1615.4	2085.5	2438.1	2442.1
110°	331.3	377.2	423.1	434.6	726.7	1116.1	1310.9	1573.7	2099.4	2493.6	2510.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	368.1	411.9	455.6	466.6	726.9	1074.2	1247.8	1516.7	2054.7	2458.2	2484.7
115°	423.5	463.9	504.3	514.4	733.7	1026.1	1172.3	1431.4	1949.7	2338.3	2375.1
117.5°	478.4	515.0	551.6	560.8	747.3	995.9	1120.2	1354.1	1821.8	2172.6	2213.3
120°	510.2	544.8	579.2	587.9	758.4	985.7	1099.4	1313.1	1740.4	2061.0	2100.6
122.5°	541.5	576.3	611.1	619.7	774.3	980.5	1083.6	1276.0	1660.8	1949.4	1988.4
125°	589.2	621.0	652.7	660.6	795.9	976.1	1066.2	1229.7	1556.6	1801.8	1837.7
127.5°	628.0	660.1	692.1	700.2	817.4	973.6	1051.7	1192.0	1472.7	1683.2	1713.6
130°	648.8	683.4	717.8	726.5	833.0	975.0	1046.1	1171.0	1420.9	1608.3	1636.4
132.5°	670.4	704.9	739.4	748.0	845.8	976.1	1041.2	1153.1	1376.8	1544.5	1569.6
135°	702.2	733.6	765.1	772.9	859.6	975.2	1032.9	1126.6	1313.9	1454.4	1476.0
137.5°	734.8	766.0	797.1	804.9	880.4	981.2	1031.5	1110.7	1269.0	1387.8	1405.5
140°	761.9	790.5	819.2	826.3	893.1	982.1	1026.7	1095.1	1231.9	1334.5	1351.1
142.5°	782.6	809.2	835.7	842.3	903.8	985.7	1026.7	1086.8	1206.9	1297.1	1311.3
145°	814.5	837.6	860.8	866.6	917.6	985.7	1019.7	1068.9	1167.2	1240.9	1251.7
147.5°	846.5	869.0	891.5	897.1	938.0	992.5	1019.7	1058.4	1135.8	1193.8	1202.7
150°	867.3	887.6	907.9	913.0	948.6	996.0	1019.7	1052.4	1117.7	1166.7	1174.0
152.5°	888.7	904.1	919.6	923.4	955.5	998.3	1019.7	1047.6	1103.4	1145.2	1150.7
155°	920.6	932.1	943.4	946.3	970.7	1003.4	1019.7	1042.0	1086.3	1119.6	1123.3
157.5°	944.2	955.3	966.4	969.1	986.0	1008.5	1019.7	1037.0	1071.5	1097.4	1099.9
160°	960.1	968.8	977.4	979.6	993.0	1010.8	1019.7	1034.5	1064.1	1086.3	1087.7
162.5°	976.1	982.5	989.0	990.6	1000.4	1013.3	1019.7	1032.2	1057.1	1075.9	1077.3
165°	993.4	999.3	1005.2	1006.6	1011.0	1016.8	1019.7	1028.7	1046.6	1060.0	1061.4
167.5°	1009.4	1012.1	1014.9	1015.6	1019.3	1024.2	1026.7	1032.6	1044.3	1053.0	1053.6
170°	1019.7	1022.5	1025.3	1026.0	1026.2	1026.5	1026.7	1032.6	1044.3	1053.0	1053.0
172.5°	1025.3	1025.9	1026.5	1026.7	1026.7	1026.7	1026.7	1031.3	1040.5	1047.5	1047.0
175°	1032.9	1032.9	1032.9	1032.9	1030.9	1028.1	1026.7	1029.6	1035.5	1039.9	1039.9
177.5°	1032.9	1032.9	1032.9	1032.9	1031.3	1029.1	1028.0	1030.4	1035.0	1038.5	1037.8
180°	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2
2.5°	1451.4	1447.4	1451.4	1448.7	1450.1	1446.0	1434.0	1430.0	1434.0	1438.0	1438.0
5°	1468.8	1466.1	1468.8	1468.8	1467.5	1464.8	1451.4	1448.7	1451.4	1452.7	1450.1
7.5°	1474.2	1470.1	1474.2	1471.5	1471.5	1468.8	1455.4	1452.7	1454.1	1458.1	1454.1
10°	1474.2	1470.1	1474.2	1472.8	1471.5	1468.8	1455.4	1450.1	1450.1	1454.1	1450.1
12.5°	1467.5	1464.8	1467.5	1464.8	1464.8	1462.1	1448.7	1443.4	1444.7	1446.0	1440.7
15°	1456.8	1452.7	1456.8	1454.1	1455.4	1451.4	1436.7	1431.3	1431.3	1434.0	1424.6
17.5°	1440.7	1435.3	1440.7	1439.3	1438.0	1435.3	1421.9	1416.6	1415.2	1416.6	1409.9
20°	1421.9	1417.9	1421.9	1420.6	1420.6	1415.2	1401.9	1395.2	1395.2	1395.2	1388.5
22.5°	1392.5	1388.5	1392.5	1395.2	1395.2	1393.8	1381.8	1372.4	1369.7	1369.7	1361.7
25°	1359.0	1355.0	1359.0	1359.0	1357.7	1359.0	1355.0	1349.6	1345.6	1341.6	1333.6
27.5°	1326.9	1324.2	1326.9	1324.2	1326.9	1322.9	1321.5	1320.2	1314.8	1310.8	1300.1
30°	1294.7	1292.1	1294.7	1292.1	1289.4	1286.7	1280.0	1277.3	1282.7	1280.0	1262.6
32.5°	1254.6	1251.9	1254.6	1254.6	1251.9	1251.9	1241.2	1237.2	1238.5	1246.5	1230.5
35°	1213.1	1209.1	1213.1	1211.7	1213.1	1209.1	1202.4	1201.0	1195.7	1205.0	1193.0
37.5°	1164.9	1160.9	1164.9	1164.9	1164.9	1167.5	1162.2	1158.2	1150.1	1162.2	1152.8
40°	1115.3	1110.0	1115.3	1114.0	1115.3	1118.0	1115.3	1112.7	1104.6	1114.0	1106.0
42.5°	1059.1	1057.8	1059.1	1060.4	1060.4	1065.8	1069.8	1064.4	1061.8	1055.1	1060.4
45°	998.8	996.2	998.8	1001.5	1002.9	1005.5	1017.6	1017.6	1013.6	1002.9	1010.9
47.5°	934.6	927.9	934.6	942.6	942.6	946.6	958.7	968.0	961.4	948.0	952.0
50°	866.3	867.6	866.3	871.6	871.6	886.4	895.7	905.1	911.8	895.7	877.0
52.5°	799.3	798.0	799.3	803.4	808.7	815.4	831.5	840.8	851.6	842.2	812.7
55°	732.4	735.1	732.4	733.7	736.4	740.4	764.5	773.9	794.0	781.9	751.1
57.5°	665.4	661.4	665.4	668.1	669.5	673.5	693.6	711.0	723.0	724.4	686.9
60°	587.8	582.4	587.8	599.8	602.5	605.2	623.9	640.0	650.7	654.7	615.9
62.5°	519.5	510.1	519.5	527.5	532.9	539.6	553.0	577.1	586.5	587.8	532.9
65°	447.2	443.2	447.2	463.3	464.6	472.6	487.4	504.8	524.9	522.2	443.2
67.5°	381.6	381.6	381.6	392.3	400.3	404.4	423.1	431.1	456.6	459.3	369.5
70°	321.3	320.0	321.3	329.4	334.7	344.1	361.5	370.9	391.0	397.7	299.9
72.5°	263.8	262.4	263.8	270.5	275.8	283.9	298.6	309.3	326.7	334.7	233.0
75°	212.9	210.2	212.9	218.2	216.9	227.6	239.7	250.4	266.4	271.8	172.7
77.5°	163.3	163.3	163.3	168.7	168.7	179.4	184.8	198.2	207.5	215.6	127.2
80°	121.8	120.5	121.8	123.2	123.2	128.5	137.9	147.3	155.3	155.3	87.0
82.5°	85.7	83.0	85.7	85.7	85.7	88.4	93.7	96.4	101.8	105.8	54.9
85°	53.6	53.6	53.6	54.9	53.6	56.2	57.6	60.3	60.3	57.6	33.5
87.5°	34.8	33.5	34.8	33.5	33.5	32.1	32.1	32.1	30.8	29.5	18.7
90°	26.3	26.3	26.3	26.3	26.3	35.1	46.8	52.7	45.3	30.4	19.4
92.5°	105.5	84.5	105.5	126.5	131.8	186.7	260.0	296.7	260.5	188.1	133.8
95°	367.8	304.3	367.8	431.2	447.1	587.2	773.9	867.3	732.5	462.8	260.6
97.5°	881.3	760.5	881.3	1002.1	1032.2	1120.8	1238.8	1297.8	1073.0	623.4	286.3
100°	1269.8	1125.9	1269.8	1413.6	1449.5	1443.1	1434.4	1430.2	1180.8	681.9	307.8
102.5°	1651.8	1528.6	1651.8	1775.1	1805.9	1693.1	1542.7	1467.6	1214.6	708.7	329.3
105°	2139.0	2072.8	2139.0	2205.2	2221.8	1969.0	1632.0	1463.5	1218.5	728.6	361.2
107.5°	2458.1	2474.2	2458.1	2442.1	2438.1	2085.5	1615.4	1380.3	1164.2	732.3	408.3
110°	2579.9	2648.8	2579.9	2510.9	2493.6	2099.4	1573.7	1310.9	1116.1	726.7	434.6



TEST NUMBER: P935539

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2590.7	2696.7	2590.7	2484.7	2458.2	2054.7	1516.7	1247.8	1074.2	726.9	466.6
115°	2522.0	2668.9	2522.0	2375.1	2338.3	1949.7	1431.4	1172.3	1026.1	733.7	514.4
117.5°	2376.3	2539.3	2376.3	2213.3	2172.6	1821.8	1354.1	1120.2	995.9	747.3	560.8
120°	2259.0	2417.3	2259.0	2100.6	2061.0	1740.4	1313.1	1099.4	985.7	758.4	587.9
122.5°	2144.6	2300.8	2144.6	1988.4	1949.4	1660.8	1276.0	1083.6	980.5	774.3	619.7
125°	1981.6	2125.5	1981.6	1837.7	1801.8	1556.6	1229.7	1066.2	976.1	795.9	660.6
127.5°	1835.0	1956.4	1835.0	1713.6	1683.2	1472.7	1192.0	1051.7	973.6	817.4	700.2
130°	1748.6	1860.7	1748.6	1636.4	1608.3	1420.9	1171.0	1046.1	975.0	833.0	726.5
132.5°	1670.1	1770.5	1670.1	1569.6	1544.5	1376.8	1153.1	1041.2	976.1	845.8	748.0
135°	1562.6	1649.2	1562.6	1476.0	1454.4	1313.9	1126.6	1032.9	975.2	859.6	772.9
137.5°	1476.4	1547.3	1476.4	1405.5	1387.8	1269.0	1110.7	1031.5	981.2	880.4	804.9
140°	1417.3	1483.5	1417.3	1351.1	1334.5	1231.9	1095.1	1026.7	982.1	893.1	826.3
142.5°	1368.3	1425.3	1368.3	1311.3	1297.1	1206.9	1086.8	1026.7	985.7	903.8	842.3
145°	1294.8	1337.9	1294.8	1251.7	1240.9	1167.2	1068.9	1019.7	985.7	917.6	866.6
147.5°	1238.5	1274.2	1238.5	1202.7	1193.8	1135.8	1058.4	1019.7	992.5	938.0	897.1
150°	1203.0	1231.9	1203.0	1174.0	1166.7	1117.7	1052.4	1019.7	996.0	948.6	913.0
152.5°	1172.5	1194.4	1172.5	1150.7	1145.2	1103.4	1047.6	1019.7	998.3	955.5	923.4
155°	1137.7	1152.2	1137.7	1123.3	1119.6	1086.3	1042.0	1019.7	1003.4	970.7	946.3
157.5°	1110.1	1120.2	1110.1	1099.9	1097.4	1071.5	1037.0	1019.7	1008.5	986.0	969.1
160°	1093.6	1099.4	1093.6	1087.7	1086.3	1064.1	1034.5	1019.7	1010.8	993.0	979.6
162.5°	1082.8	1088.4	1082.8	1077.3	1075.9	1057.1	1032.2	1019.7	1013.3	1000.4	990.6
165°	1067.3	1073.1	1067.3	1061.4	1060.0	1046.6	1028.7	1019.7	1016.8	1011.0	1006.6
167.5°	1056.1	1058.6	1056.1	1053.6	1053.0	1044.3	1032.6	1026.7	1024.2	1019.3	1015.6
170°	1053.0	1053.0	1053.0	1053.0	1053.0	1044.3	1032.6	1026.7	1026.5	1026.2	1026.0
172.5°	1044.8	1042.7	1044.8	1047.0	1047.5	1040.5	1031.3	1026.7	1026.7	1026.7	1026.7
175°	1039.9	1039.9	1039.9	1039.9	1039.9	1035.5	1029.6	1026.7	1028.1	1030.9	1032.9
177.5°	1035.4	1032.9	1035.4	1037.8	1038.5	1035.0	1030.4	1028.0	1029.1	1031.3	1032.9
180°	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2
2.5°	1435.3	1427.3	1427.3	1413.9	1408.6	1404.5	1397.8	1377.8	1372.4	1367.0	1375.1
5°	1447.4	1432.7	1421.9	1397.8	1377.8	1369.7	1344.3	1296.1	1263.9	1239.8	1226.5
7.5°	1450.1	1431.3	1411.2	1373.7	1325.5	1304.1	1226.5	1138.1	1114.0	1092.6	1079.2
10°	1447.4	1426.0	1397.8	1341.6	1227.8	1190.3	1112.7	1055.1	1040.3	1036.3	1040.3
12.5°	1438.0	1417.9	1379.1	1285.4	1126.0	1100.6	1055.1	1021.6	1018.9	1025.6	1061.8
15°	1421.9	1403.2	1357.7	1210.4	1069.8	1051.1	1018.9	1006.9	1021.6	1068.5	1176.9
17.5°	1405.9	1384.5	1328.2	1136.8	1027.0	1013.6	990.8	1014.9	1097.9	1160.9	1197.0
20°	1384.5	1359.0	1294.7	1083.2	996.2	984.1	973.4	1081.9	1144.8	1167.5	1187.6
22.5°	1359.0	1332.2	1249.2	1045.7	964.0	954.7	961.4	1119.3	1144.8	1160.9	1178.3
25°	1325.5	1302.8	1195.7	1016.2	938.6	927.9	953.3	1115.3	1130.1	1134.1	1168.9
27.5°	1294.7	1265.3	1139.4	989.5	907.8	903.8	960.0	1097.9	1108.6	1112.7	1150.1
30°	1257.3	1213.1	1076.5	961.4	875.7	874.3	961.4	1076.5	1073.8	1084.5	1122.0
32.5°	1218.4	1135.4	1005.5	926.5	844.9	843.5	952.0	1044.4	1041.7	1056.4	1084.5
35°	1182.3	1075.2	909.1	886.4	806.0	807.4	929.2	1006.9	1008.2	1021.6	1039.0
37.5°	1144.8	1022.9	803.4	842.2	768.5	768.5	898.4	972.1	969.4	973.4	997.5
40°	1100.6	941.3	709.6	784.6	733.7	729.7	860.9	934.6	925.2	923.9	957.3
42.5°	1053.7	851.6	640.0	708.3	693.6	688.2	815.4	889.0	871.6	875.7	918.5
45°	1002.9	827.5	586.5	598.5	652.1	648.0	765.9	836.8	824.8	835.5	879.7
47.5°	952.0	779.3	569.0	496.7	607.9	606.5	711.0	786.0	779.3	790.0	836.8
50°	882.4	725.7	567.7	425.8	558.3	563.7	645.4	736.4	736.4	745.8	795.3
52.5°	792.6	660.1	515.5	385.6	500.8	516.8	587.8	693.6	696.2	705.6	749.8
55°	711.0	591.8	478.0	354.8	432.5	467.3	531.6	649.4	654.7	664.1	704.3
57.5°	636.0	492.7	470.0	318.7	369.5	403.0	482.0	606.5	609.2	617.2	656.1
60°	555.7	356.2	431.1	279.8	314.6	340.1	436.5	555.7	565.0	570.4	603.9
62.5°	464.6	258.4	391.0	253.1	287.9	293.2	399.0	507.5	519.5	523.5	543.6
65°	330.7	216.9	332.1	230.3	259.8	261.1	358.8	457.9	468.6	475.3	490.0
67.5°	223.6	176.7	253.1	208.9	238.3	239.7	320.0	400.3	415.1	420.4	429.8
70°	155.3	117.8	187.5	186.1	214.2	216.9	278.5	348.1	361.5	365.5	370.9
72.5°	113.8	95.1	155.3	167.4	188.8	191.5	235.7	289.2	302.6	306.6	309.3
75°	87.0	100.4	125.9	145.9	160.7	162.0	192.8	235.7	245.0	247.7	249.0
77.5°	69.6	93.7	92.4	117.8	131.2	128.5	151.3	182.1	190.1	190.1	190.1
80°	52.2	73.6	69.6	84.4	96.4	93.7	108.5	129.9	132.6	135.2	133.9
82.5°	38.8	46.9	46.9	53.6	64.3	61.6	72.3	84.4	84.4	84.4	87.0
85°	24.1	26.8	21.4	28.1	36.2	34.8	40.2	45.5	46.9	46.9	44.2
87.5°	14.7	12.1	6.7	10.7	16.1	16.1	18.7	20.1	18.7	18.7	18.7
90°	18.0	12.5	7.0	12.5	18.0	19.4	30.4	45.3	52.7	46.8	35.1
92.5°	122.0	74.9	27.8	74.9	122.0	133.8	188.1	260.5	296.7	260.0	186.7
95°	239.0	152.8	66.6	152.8	239.0	260.6	462.8	732.5	867.3	773.9	587.2
97.5°	267.3	191.1	115.1	191.1	267.3	286.3	623.4	1073.0	1297.8	1238.8	1120.8
100°	290.5	221.5	152.5	221.5	290.5	307.8	681.9	1180.8	1430.2	1434.4	1443.1
102.5°	313.2	248.8	184.4	248.8	313.2	329.3	708.7	1214.6	1467.6	1542.7	1693.1
105°	347.5	293.0	238.5	293.0	347.5	361.2	728.6	1218.5	1463.5	1632.0	1969.0
107.5°	395.6	344.7	293.9	344.7	395.6	408.3	732.3	1164.2	1380.3	1615.4	2085.5
110°	423.1	377.2	331.3	377.2	423.1	434.6	726.7	1116.1	1310.9	1573.7	2099.4



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CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	455.6	411.9	368.1	411.9	455.6	466.6	726.9	1074.2	1247.8	1516.7	2054.7
115°	504.3	463.9	423.5	463.9	504.3	514.4	733.7	1026.1	1172.3	1431.4	1949.7
117.5°	551.6	515.0	478.4	515.0	551.6	560.8	747.3	995.9	1120.2	1354.1	1821.8
120°	579.2	544.8	510.2	544.8	579.2	587.9	758.4	985.7	1099.4	1313.1	1740.4
122.5°	611.1	576.3	541.5	576.3	611.1	619.7	774.3	980.5	1083.6	1276.0	1660.8
125°	652.7	621.0	589.2	621.0	652.7	660.6	795.9	976.1	1066.2	1229.7	1556.6
127.5°	692.1	660.1	628.0	660.1	692.1	700.2	817.4	973.6	1051.7	1192.0	1472.7
130°	717.8	683.4	648.8	683.4	717.8	726.5	833.0	975.0	1046.1	1171.0	1420.9
132.5°	739.4	704.9	670.4	704.9	739.4	748.0	845.8	976.1	1041.2	1153.1	1376.8
135°	765.1	733.6	702.2	733.6	765.1	772.9	859.6	975.2	1032.9	1126.6	1313.9
137.5°	797.1	766.0	734.8	766.0	797.1	804.9	880.4	981.2	1031.5	1110.7	1269.0
140°	819.2	790.5	761.9	790.5	819.2	826.3	893.1	982.1	1026.7	1095.1	1231.9
142.5°	835.7	809.2	782.6	809.2	835.7	842.3	903.8	985.7	1026.7	1086.8	1206.9
145°	860.8	837.6	814.5	837.6	860.8	866.6	917.6	985.7	1019.7	1068.9	1167.2
147.5°	891.5	869.0	846.5	869.0	891.5	897.1	938.0	992.5	1019.7	1058.4	1135.8
150°	907.9	887.6	867.3	887.6	907.9	913.0	948.6	996.0	1019.7	1052.4	1117.7
152.5°	919.6	904.1	888.7	904.1	919.6	923.4	955.5	998.3	1019.7	1047.6	1103.4
155°	943.4	932.1	920.6	932.1	943.4	946.3	970.7	1003.4	1019.7	1042.0	1086.3
157.5°	966.4	955.3	944.2	955.3	966.4	969.1	986.0	1008.5	1019.7	1037.0	1071.5
160°	977.4	968.8	960.1	968.8	977.4	979.6	993.0	1010.8	1019.7	1034.5	1064.1
162.5°	989.0	982.5	976.1	982.5	989.0	990.6	1000.4	1013.3	1019.7	1032.2	1057.1
165°	1005.2	999.3	993.4	999.3	1005.2	1006.6	1011.0	1016.8	1019.7	1028.7	1046.6
167.5°	1014.9	1012.1	1009.4	1012.1	1014.9	1015.6	1019.3	1024.2	1026.7	1032.6	1044.3
170°	1025.3	1022.5	1019.7	1022.5	1025.3	1026.0	1026.2	1026.5	1026.7	1032.6	1044.3
172.5°	1026.5	1025.9	1025.3	1025.9	1026.5	1026.7	1026.7	1026.7	1026.7	1031.3	1040.5
175°	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1030.9	1028.1	1026.7	1029.6	1035.5
177.5°	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1031.3	1029.1	1028.0	1030.4	1035.0
180°	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9



TEST NUMBER: P935539

CATALOG NUMBER: SQ4-FA-125U-075D-92765-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2
2.5°	1365.7	1361.7	1367.0	1352.3	1367.0	1361.7	1365.7	1375.1	1367.0	1372.4	1377.8
5°	1198.3	1191.6	1170.2	1152.8	1170.2	1191.6	1198.3	1226.5	1239.8	1263.9	1296.1
7.5°	1071.1	1065.8	1060.4	1049.7	1060.4	1065.8	1071.1	1079.2	1092.6	1114.0	1138.1
10°	1043.0	1044.4	1052.4	1051.1	1052.4	1044.4	1043.0	1040.3	1036.3	1040.3	1055.1
12.5°	1115.3	1127.4	1171.6	1168.9	1171.6	1127.4	1115.3	1061.8	1025.6	1018.9	1021.6
15°	1198.3	1202.4	1211.7	1213.1	1211.7	1202.4	1198.3	1176.9	1068.5	1021.6	1006.9
17.5°	1206.4	1207.7	1214.4	1214.4	1214.4	1207.7	1206.4	1197.0	1160.9	1097.9	1014.9
20°	1199.7	1202.4	1215.7	1218.4	1215.7	1202.4	1199.7	1187.6	1167.5	1144.8	1081.9
22.5°	1197.0	1202.4	1213.1	1211.7	1213.1	1202.4	1197.0	1178.3	1160.9	1144.8	1119.3
25°	1183.6	1183.6	1185.0	1186.3	1185.0	1183.6	1183.6	1168.9	1134.1	1130.1	1115.3
27.5°	1155.5	1158.2	1166.2	1164.9	1166.2	1158.2	1155.5	1150.1	1112.7	1108.6	1097.9
30°	1130.1	1127.4	1120.7	1115.3	1120.7	1127.4	1130.1	1122.0	1084.5	1073.8	1076.5
32.5°	1087.2	1080.5	1073.8	1069.8	1073.8	1080.5	1087.2	1084.5	1056.4	1041.7	1044.4
35°	1036.3	1037.7	1036.3	1032.3	1036.3	1037.7	1036.3	1039.0	1021.6	1008.2	1006.9
37.5°	1000.2	1002.9	1001.5	996.2	1001.5	1002.9	1000.2	997.5	973.4	969.4	972.1
40°	962.7	964.0	962.7	958.7	962.7	964.0	962.7	957.3	923.9	925.2	934.6
42.5°	926.5	925.2	921.2	918.5	921.2	925.2	926.5	918.5	875.7	871.6	889.0
45°	885.0	886.4	878.3	874.3	878.3	886.4	885.0	879.7	835.5	824.8	836.8
47.5°	843.5	843.5	836.8	832.8	836.8	843.5	843.5	836.8	790.0	779.3	786.0
50°	799.3	798.0	788.6	787.3	788.6	798.0	799.3	795.3	745.8	736.4	736.4
52.5°	748.5	748.5	749.8	752.5	749.8	748.5	748.5	749.8	705.6	696.2	693.6
55°	704.3	705.6	715.0	717.7	715.0	705.6	704.3	704.3	664.1	654.7	649.4
57.5°	658.8	658.8	665.4	665.4	665.4	658.8	658.8	656.1	617.2	609.2	606.5
60°	606.5	609.2	614.6	613.2	614.6	609.2	606.5	603.9	570.4	565.0	555.7
62.5°	551.6	554.3	555.7	553.0	555.7	554.3	551.6	543.6	523.5	519.5	507.5
65°	494.1	496.7	498.1	495.4	498.1	496.7	494.1	490.0	475.3	468.6	457.9
67.5°	435.2	433.8	432.5	437.8	432.5	433.8	435.2	429.8	420.4	415.1	400.3
70°	374.9	374.9	373.6	376.2	373.6	374.9	374.9	370.9	365.5	361.5	348.1
72.5°	310.6	309.3	314.6	310.6	314.6	309.3	310.6	309.3	306.6	302.6	289.2
75°	247.7	250.4	247.7	251.7	247.7	250.4	247.7	249.0	247.7	245.0	235.7
77.5°	188.8	191.5	188.8	188.8	188.8	191.5	188.8	190.1	190.1	190.1	182.1
80°	133.9	132.6	132.6	131.2	132.6	132.6	133.9	133.9	135.2	132.6	129.9
82.5°	85.7	84.4	84.4	87.0	84.4	84.4	85.7	87.0	84.4	84.4	84.4
85°	46.9	48.2	45.5	45.5	45.5	48.2	46.9	44.2	46.9	46.9	45.5
87.5°	17.4	16.1	16.1	16.1	16.1	16.1	17.4	18.7	18.7	18.7	20.1
90°	26.3	26.3	26.3	26.3	26.3	26.3	26.3	35.1	46.8	52.7	45.3
92.5°	131.8	126.5	105.5	84.5	105.5	126.5	131.8	186.7	260.0	296.7	260.5
95°	447.1	431.2	367.8	304.3	367.8	431.2	447.1	587.2	773.9	867.3	732.5
97.5°	1032.2	1002.1	881.3	760.5	881.3	1002.1	1032.2	1120.8	1238.8	1297.8	1073.0
100°	1449.5	1413.6	1269.8	1125.9	1269.8	1413.6	1449.5	1443.1	1434.4	1430.2	1180.8
102.5°	1805.9	1775.1	1651.8	1528.6	1651.8	1775.1	1805.9	1693.1	1542.7	1467.6	1214.6
105°	2221.8	2205.2	2139.0	2072.8	2139.0	2205.2	2221.8	1969.0	1632.0	1463.5	1218.5
107.5°	2438.1	2442.1	2458.1	2474.2	2458.1	2442.1	2438.1	2085.5	1615.4	1380.3	1164.2
110°	2493.6	2510.9	2579.9	2648.8	2579.9	2510.9	2493.6	2099.4	1573.7	1310.9	1116.1



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2458.2	2484.7	2590.7	2696.7	2590.7	2484.7	2458.2	2054.7	1516.7	1247.8	1074.2
115°	2338.3	2375.1	2522.0	2668.9	2522.0	2375.1	2338.3	1949.7	1431.4	1172.3	1026.1
117.5°	2172.6	2213.3	2376.3	2539.3	2376.3	2213.3	2172.6	1821.8	1354.1	1120.2	995.9
120°	2061.0	2100.6	2259.0	2417.3	2259.0	2100.6	2061.0	1740.4	1313.1	1099.4	985.7
122.5°	1949.4	1988.4	2144.6	2300.8	2144.6	1988.4	1949.4	1660.8	1276.0	1083.6	980.5
125°	1801.8	1837.7	1981.6	2125.5	1981.6	1837.7	1801.8	1556.6	1229.7	1066.2	976.1
127.5°	1683.2	1713.6	1835.0	1956.4	1835.0	1713.6	1683.2	1472.7	1192.0	1051.7	973.6
130°	1608.3	1636.4	1748.6	1860.7	1748.6	1636.4	1608.3	1420.9	1171.0	1046.1	975.0
132.5°	1544.5	1569.6	1670.1	1770.5	1670.1	1569.6	1544.5	1376.8	1153.1	1041.2	976.1
135°	1454.4	1476.0	1562.6	1649.2	1562.6	1476.0	1454.4	1313.9	1126.6	1032.9	975.2
137.5°	1387.8	1405.5	1476.4	1547.3	1476.4	1405.5	1387.8	1269.0	1110.7	1031.5	981.2
140°	1334.5	1351.1	1417.3	1483.5	1417.3	1351.1	1334.5	1231.9	1095.1	1026.7	982.1
142.5°	1297.1	1311.3	1368.3	1425.3	1368.3	1311.3	1297.1	1206.9	1086.8	1026.7	985.7
145°	1240.9	1251.7	1294.8	1337.9	1294.8	1251.7	1240.9	1167.2	1068.9	1019.7	985.7
147.5°	1193.8	1202.7	1238.5	1274.2	1238.5	1202.7	1193.8	1135.8	1058.4	1019.7	992.5
150°	1166.7	1174.0	1203.0	1231.9	1203.0	1174.0	1166.7	1117.7	1052.4	1019.7	996.0
152.5°	1145.2	1150.7	1172.5	1194.4	1172.5	1150.7	1145.2	1103.4	1047.6	1019.7	998.3
155°	1119.6	1123.3	1137.7	1152.2	1137.7	1123.3	1119.6	1086.3	1042.0	1019.7	1003.4
157.5°	1097.4	1099.9	1110.1	1120.2	1110.1	1099.9	1097.4	1071.5	1037.0	1019.7	1008.5
160°	1086.3	1087.7	1093.6	1099.4	1093.6	1087.7	1086.3	1064.1	1034.5	1019.7	1010.8
162.5°	1075.9	1077.3	1082.8	1088.4	1082.8	1077.3	1075.9	1057.1	1032.2	1019.7	1013.3
165°	1060.0	1061.4	1067.3	1073.1	1067.3	1061.4	1060.0	1046.6	1028.7	1019.7	1016.8
167.5°	1053.0	1053.6	1056.1	1058.6	1056.1	1053.6	1053.0	1044.3	1032.6	1026.7	1024.2
170°	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1044.3	1032.6	1026.7	1026.5
172.5°	1047.5	1047.0	1044.8	1042.7	1044.8	1047.0	1047.5	1040.5	1031.3	1026.7	1026.7
175°	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1039.9	1035.5	1029.6	1026.7	1028.1
177.5°	1038.5	1037.8	1035.4	1032.9	1035.4	1037.8	1038.5	1035.0	1030.4	1028.0	1029.1
180°	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9	1032.9



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1415.2	1415.2	1415.2	1415.2	1415.2
2.5°	1397.8	1404.5	1408.6	1413.9	1427.3
5°	1344.3	1369.7	1377.8	1397.8	1421.9
7.5°	1226.5	1304.1	1325.5	1373.7	1411.2
10°	1112.7	1190.3	1227.8	1341.6	1397.8
12.5°	1055.1	1100.6	1126.0	1285.4	1379.1
15°	1018.9	1051.1	1069.8	1210.4	1357.7
17.5°	990.8	1013.6	1027.0	1136.8	1328.2
20°	973.4	984.1	996.2	1083.2	1294.7
22.5°	961.4	954.7	964.0	1045.7	1249.2
25°	953.3	927.9	938.6	1016.2	1195.7
27.5°	960.0	903.8	907.8	989.5	1139.4
30°	961.4	874.3	875.7	961.4	1076.5
32.5°	952.0	843.5	844.9	926.5	1005.5
35°	929.2	807.4	806.0	886.4	909.1
37.5°	898.4	768.5	768.5	842.2	803.4
40°	860.9	729.7	733.7	784.6	709.6
42.5°	815.4	688.2	693.6	708.3	640.0
45°	765.9	648.0	652.1	598.5	586.5
47.5°	711.0	606.5	607.9	496.7	569.0
50°	645.4	563.7	558.3	425.8	567.7
52.5°	587.8	516.8	500.8	385.6	515.5
55°	531.6	467.3	432.5	354.8	478.0
57.5°	482.0	403.0	369.5	318.7	470.0
60°	436.5	340.1	314.6	279.8	431.1
62.5°	399.0	293.2	287.9	253.1	391.0
65°	358.8	261.1	259.8	230.3	332.1
67.5°	320.0	239.7	238.3	208.9	253.1
70°	278.5	216.9	214.2	186.1	187.5
72.5°	235.7	191.5	188.8	167.4	155.3
75°	192.8	162.0	160.7	145.9	125.9
77.5°	151.3	128.5	131.2	117.8	92.4
80°	108.5	93.7	96.4	84.4	69.6
82.5°	72.3	61.6	64.3	53.6	46.9
85°	40.2	34.8	36.2	28.1	21.4
87.5°	18.7	16.1	16.1	10.7	6.7
90°	30.4	19.4	18.0	12.5	7.0
92.5°	188.1	133.8	122.0	74.9	27.8
95°	462.8	260.6	239.0	152.8	66.6
97.5°	623.4	286.3	267.3	191.1	115.1
100°	681.9	307.8	290.5	221.5	152.5
102.5°	708.7	329.3	313.2	248.8	184.4
105°	728.6	361.2	347.5	293.0	238.5
107.5°	732.3	408.3	395.6	344.7	293.9
110°	726.7	434.6	423.1	377.2	331.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	726.9	466.6	455.6	411.9	368.1
115°	733.7	514.4	504.3	463.9	423.5
117.5°	747.3	560.8	551.6	515.0	478.4
120°	758.4	587.9	579.2	544.8	510.2
122.5°	774.3	619.7	611.1	576.3	541.5
125°	795.9	660.6	652.7	621.0	589.2
127.5°	817.4	700.2	692.1	660.1	628.0
130°	833.0	726.5	717.8	683.4	648.8
132.5°	845.8	748.0	739.4	704.9	670.4
135°	859.6	772.9	765.1	733.6	702.2
137.5°	880.4	804.9	797.1	766.0	734.8
140°	893.1	826.3	819.2	790.5	761.9
142.5°	903.8	842.3	835.7	809.2	782.6
145°	917.6	866.6	860.8	837.6	814.5
147.5°	938.0	897.1	891.5	869.0	846.5
150°	948.6	913.0	907.9	887.6	867.3
152.5°	955.5	923.4	919.6	904.1	888.7
155°	970.7	946.3	943.4	932.1	920.6
157.5°	986.0	969.1	966.4	955.3	944.2
160°	993.0	979.6	977.4	968.8	960.1
162.5°	1000.4	990.6	989.0	982.5	976.1
165°	1011.0	1006.6	1005.2	999.3	993.4
167.5°	1019.3	1015.6	1014.9	1012.1	1009.4
170°	1026.2	1026.0	1025.3	1022.5	1019.7
172.5°	1026.7	1026.7	1026.5	1025.9	1025.3
175°	1030.9	1032.9	1032.9	1032.9	1032.9
177.5°	1031.3	1032.9	1032.9	1032.9	1032.9
180°	1032.9	1032.9	1032.9	1032.9	1032.9



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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	10.82	11.56	11.89	12.64	14.10	13.64	14.39	14.72	15.46	16.93
	3H	11.29	11.95	12.37	13.04	14.52	14.98	15.64	16.06	16.73	18.21
	4H	11.47	12.10	12.57	13.19	14.68	15.41	16.05	16.51	17.13	18.62
	6H	11.58	12.17	12.69	13.25	14.76	15.69	16.27	16.79	17.36	18.86
	8H	11.58	12.14	12.69	13.24	14.73	15.76	16.32	16.87	17.42	18.91
	12H	11.55	12.08	12.66	13.17	14.69	15.80	16.32	16.91	17.42	18.94
4H	2H	11.84	12.47	12.94	13.55	15.04	14.04	14.67	15.14	15.75	17.24
	3H	12.85	13.38	13.96	14.49	15.99	15.53	16.06	16.64	17.17	18.67
	4H	13.12	13.61	14.23	14.71	16.23	16.05	16.54	17.16	17.64	19.16
	6H	13.24	13.66	14.36	14.78	16.29	16.41	16.82	17.53	17.95	19.46
	8H	13.24	13.63	14.36	14.75	16.28	16.51	16.90	17.63	18.02	19.55
	12H	13.21	13.56	14.34	14.68	16.22	16.56	16.91	17.70	18.04	19.58
8H	4H	13.57	13.95	14.68	15.07	16.60	16.17	16.55	17.29	17.67	19.20
	6H	13.82	14.14	14.96	15.30	16.83	16.60	16.92	17.74	18.08	19.60
	8H	13.86	14.14	15.01	15.28	16.83	16.75	17.03	17.89	18.17	19.71
	12H	13.84	14.09	14.99	15.22	16.81	16.84	17.09	17.99	18.22	19.80
12H	4H	13.57	13.92	14.70	15.04	16.58	16.13	16.48	17.26	17.61	19.14
	6H	13.88	14.16	15.03	15.30	16.85	16.59	16.87	17.74	18.01	19.56
	8H	13.94	14.19	15.09	15.32	16.91	16.75	16.99	17.90	18.13	19.71