

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: P935763

Luminaire Tested: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-6-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935763
REPORT IS A COMBINATION OF REPORTS P933767 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-6-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

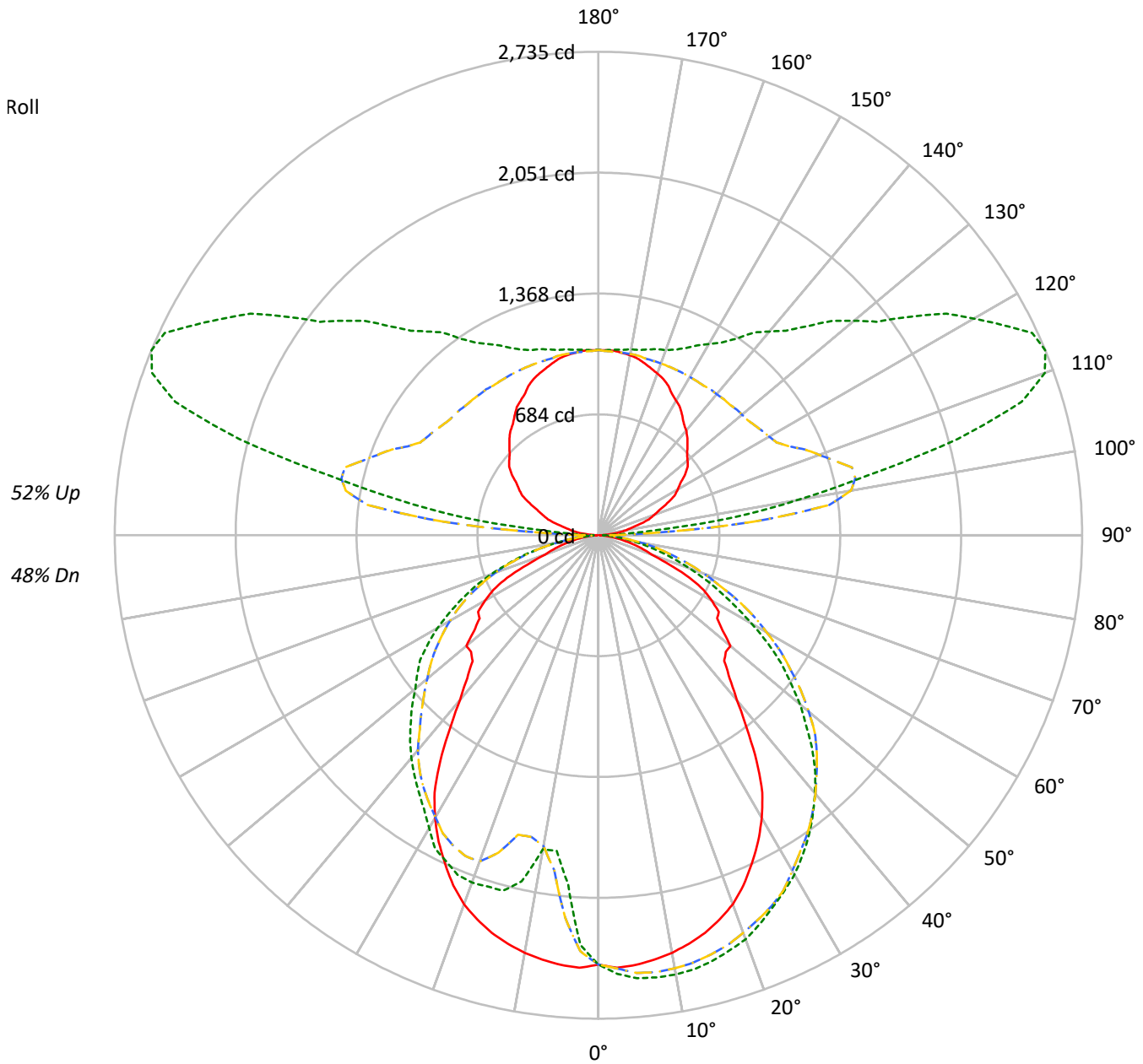
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13090.4 lumens
Efficiency: N/A
Efficacy: 116.0 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: General Diffuse

Input Watts (W): 112.8
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

TEST NUMBER: P935763
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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	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48	48
1	97	93	89	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41	41	41	41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	41	39	34	34	34	34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29	29	29	29
4	74	63	55	49	68	59	52	46	50	44	40	41	37	34	34	31	28	25	25	25	25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21	21	21	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19	19	19	19
7	58	45	38	32	53	42	35	30	36	31	26	30	26	23	25	22	19	17	17	17	17
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13	13	13	13
10	47	34	27	22	43	32	26	21	28	22	19	24	19	16	20	16	14	12	12	12	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15022	15022	15022	15022
5°	15129	15164	15129	11923
10°	15022	14938	15022	10679
15°	14853	14614	14853	12203
20°	14537	14231	14537	12229
25°	13895	13671	13895	11969
30°	13068	13207	13068	11401
35°	11645	12619	11645	10775
40°	9697	11928	9697	10302
45°	8659	11120	8659	9759
50°	9192	10154	9192	9214
55°	8640	9115	8640	8899
60°	8896	7741	8896	8150
65°	8053	6399	8053	7153
70°	5562	5100	5562	5996
75°	4860	3770	4860	4514
80°	3890	2491	3890	2713
85°	2188	1320	2188	1122

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13279 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.2	1.7
10°-20°	622.4	4.8
20°-30°	962.1	7.3
30°-40°	1148.5	8.8
40°-50°	1155.3	8.8
50°-60°	1005.2	7.7
60°-70°	712.7	5.4
70°-80°	377.1	2.9
80°-90°	97.9	0.7
90°-100°	510.6	3.9
100°-110°	1342.3	10.3
110°-120°	1391.8	10.6
120°-130°	1116.4	8.5
130°-140°	876.0	6.7
140°-150°	672.4	5.1
150°-160°	484.2	3.7
160°-170°	296.3	2.3
170°-180°	100.1	0.8
0°-30°	1803.7	13.8
0°-40°	2952.2	22.6
0°-60°	5112.6	39.1
0°-90°	6300.3	48.1
90°-120°	3244.7	24.8
90°-150°	5909.5	45.1
90°-180°	6790.0	51.9
0°-180°	13090.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2428	2428	2428	2428	2428	
5°	2440	2516	2440	1978	2440	231
15°	2330	2493	2330	2081	2330	655
25°	2052	2325	2052	2036	2052	942
35°	1560	2074	1560	1771	1560	965
45°	1006	1709	1006	1500	1006	806
55°	820	1261	820	1231	820	754
65°	570	760	570	850	570	545
75°	216	361	216	432	216	227
85°	37	92	37	78	37	50
90°	7	27	7	27	7	7
95°	68	309	68	309	68	75
105°	242	2102	242	2102	242	256
115°	430	2706	430	2706	430	424
125°	598	2155	598	2155	598	531
135°	712	1672	712	1672	712	551
145°	826	1357	826	1357	826	517
155°	934	1168	934	1168	934	429
165°	1007	1088	1007	1088	1007	284
175°	1048	1054	1048	1054	1048	99
180°	1048	1048	1048	1048	1048	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4
2.5°	2449.0	2449.0	2462.9	2467.4	2467.4	2460.5	2453.6	2460.5	2481.2	2488.1	2485.8
5°	2439.9	2458.2	2483.5	2488.1	2492.7	2490.4	2485.8	2490.4	2513.4	2518.0	2520.2
7.5°	2421.5	2455.9	2488.1	2495.0	2501.9	2495.0	2492.7	2497.2	2520.2	2524.9	2524.9
10°	2398.5	2446.7	2483.5	2488.1	2495.0	2488.1	2488.1	2497.2	2520.2	2524.9	2527.1
12.5°	2366.4	2433.0	2467.4	2472.0	2481.2	2478.9	2476.6	2485.8	2508.7	2513.4	2513.4
15°	2329.6	2407.6	2439.9	2444.5	2460.5	2455.9	2455.9	2465.1	2490.4	2497.2	2495.0
17.5°	2279.0	2375.5	2412.3	2419.1	2430.6	2428.4	2430.6	2439.9	2462.9	2467.4	2469.7
20°	2221.6	2331.9	2375.5	2382.4	2393.9	2393.9	2393.9	2405.4	2428.4	2437.5	2437.5
22.5°	2143.5	2285.9	2331.9	2336.5	2350.3	2350.3	2354.9	2370.9	2391.6	2393.9	2393.9
25°	2051.5	2235.4	2274.4	2288.2	2302.0	2308.9	2315.8	2325.0	2331.9	2329.6	2331.9
27.5°	1955.1	2171.0	2221.6	2230.8	2249.1	2256.0	2265.3	2267.5	2269.9	2276.8	2272.1
30°	1847.1	2081.4	2157.3	2166.4	2196.3	2200.9	2191.8	2196.3	2207.8	2212.4	2217.0
32.5°	1725.3	1948.2	2090.7	2111.3	2138.9	2125.1	2122.8	2129.7	2148.0	2148.0	2152.7
35°	1560.0	1844.8	2028.6	2047.0	2067.7	2051.5	2060.8	2063.0	2074.5	2081.4	2079.2
37.5°	1378.5	1755.2	1964.3	1978.0	1994.2	1973.4	1987.3	1994.2	2003.3	1998.8	1998.8
40°	1217.6	1615.1	1888.4	1897.7	1911.4	1895.3	1909.2	1913.8	1918.3	1913.8	1911.4
42.5°	1098.1	1461.1	1808.1	1819.6	1810.3	1821.8	1826.4	1835.7	1828.7	1819.6	1819.6
45°	1006.3	1419.8	1720.7	1734.6	1720.7	1739.2	1746.1	1746.1	1725.3	1720.7	1718.4
47.5°	976.4	1337.1	1633.5	1633.5	1626.6	1649.6	1661.1	1644.9	1624.2	1617.3	1617.3
50°	974.1	1245.2	1514.0	1504.8	1537.0	1564.6	1553.1	1537.0	1520.9	1495.6	1495.6
52.5°	884.5	1132.6	1360.1	1394.5	1445.1	1461.1	1442.7	1426.7	1399.1	1387.6	1378.5
55°	820.2	1015.4	1219.9	1288.9	1341.7	1362.4	1327.9	1311.8	1270.5	1263.6	1259.0
57.5°	806.4	845.4	1091.3	1178.6	1242.9	1240.6	1219.9	1190.0	1155.6	1148.7	1146.4
60°	739.8	611.1	953.4	1056.8	1123.4	1116.5	1098.1	1070.6	1038.4	1033.9	1029.3
62.5°	670.8	443.4	797.2	914.4	1008.5	1006.3	990.2	948.8	925.9	914.4	905.2
65°	569.8	372.2	567.4	760.4	896.0	900.5	866.1	836.3	811.0	797.2	794.9
67.5°	434.2	303.2	383.7	634.1	788.0	783.4	739.8	725.9	693.8	686.9	673.2
70°	321.6	202.2	266.5	514.6	682.3	670.8	636.4	620.3	590.4	574.3	565.2
72.5°	266.5	163.1	195.2	399.7	574.3	560.6	530.7	512.3	487.1	473.3	464.1
75°	216.0	172.3	149.4	296.3	466.3	457.2	429.6	411.2	390.6	372.2	374.5
77.5°	158.5	160.8	119.5	218.2	369.8	356.1	340.0	317.1	307.8	289.5	289.5
80°	119.5	126.4	89.6	149.4	266.5	266.5	252.7	236.6	220.6	211.4	211.4
82.5°	80.4	80.4	66.6	94.2	181.5	174.6	165.4	160.8	151.6	147.0	147.0
85°	36.7	46.0	41.4	57.5	98.8	103.4	103.4	98.8	96.5	91.9	94.2
87.5°	11.5	20.6	25.3	32.1	50.5	52.9	55.1	55.1	55.1	57.5	57.5
90°	7.1	12.7	18.3	19.6	30.9	45.9	53.4	47.4	35.6	26.7	26.7
92.5°	28.2	75.9	123.7	135.7	190.7	264.1	300.9	263.7	189.4	133.6	128.3
95°	67.5	155.0	242.4	264.3	469.3	742.8	879.5	784.8	595.4	453.4	437.3
97.5°	116.7	193.8	271.0	290.3	632.2	1088.1	1316.0	1256.2	1136.5	1046.7	1016.1
100°	154.7	224.7	294.6	312.1	691.5	1197.3	1450.2	1454.6	1463.4	1469.9	1433.4
102.5°	187.0	252.3	317.6	333.9	718.7	1231.7	1488.2	1564.4	1716.9	1831.2	1800.0
105°	241.9	297.2	352.4	366.2	738.8	1235.6	1484.0	1654.9	1996.7	2253.0	2236.2
107.5°	298.1	349.6	401.2	414.0	742.6	1180.6	1399.7	1638.1	2114.8	2472.4	2476.4
110°	336.0	382.5	429.0	440.7	736.9	1131.8	1329.3	1595.8	2128.8	2528.7	2546.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	373.3	417.6	462.0	473.1	737.2	1089.3	1265.3	1538.0	2083.6	2492.7	2519.6
115°	429.5	470.4	511.4	521.6	744.0	1040.5	1188.7	1451.5	1977.1	2371.2	2408.5
117.5°	485.1	522.3	559.4	568.7	757.8	1009.9	1136.0	1373.1	1847.4	2203.2	2244.4
120°	517.4	552.4	587.4	596.1	769.0	999.6	1114.9	1331.6	1764.9	2089.9	2130.1
122.5°	549.1	584.4	619.7	628.5	785.2	994.2	1098.8	1293.9	1684.1	1976.8	2016.3
125°	597.5	629.7	661.9	669.9	807.0	989.8	1081.2	1246.9	1578.4	1827.1	1863.5
127.5°	636.9	669.4	701.9	710.0	828.9	987.3	1066.5	1208.8	1493.4	1706.9	1737.6
130°	658.0	693.0	727.9	736.7	844.7	988.7	1060.8	1187.5	1440.8	1630.9	1659.3
132.5°	679.8	714.8	749.7	758.5	857.6	989.8	1055.9	1169.3	1396.1	1566.2	1591.6
135°	712.1	744.0	775.8	783.8	871.7	988.9	1047.5	1142.4	1332.4	1474.9	1496.8
137.5°	745.1	776.7	808.3	816.2	892.8	995.0	1046.0	1126.3	1286.9	1407.3	1425.3
140°	772.6	801.6	830.7	837.9	905.6	995.9	1041.1	1110.5	1249.2	1353.2	1370.1
142.5°	793.6	820.5	847.4	854.1	916.5	999.6	1041.1	1102.0	1223.9	1315.3	1329.8
145°	826.0	849.4	872.8	878.7	930.5	999.6	1034.1	1083.9	1183.6	1258.4	1269.3
147.5°	858.4	881.2	904.0	909.7	951.1	1006.4	1034.1	1073.2	1151.7	1210.6	1219.6
150°	879.5	900.1	920.6	925.8	961.9	1010.0	1034.1	1067.2	1133.4	1183.1	1190.5
152.5°	901.2	916.8	932.5	936.4	969.0	1012.3	1034.1	1062.3	1118.9	1161.3	1166.8
155°	933.6	945.2	956.7	959.6	984.4	1017.5	1034.1	1056.6	1101.6	1135.3	1139.1
157.5°	957.5	968.7	979.9	982.7	999.8	1022.7	1034.1	1051.5	1086.6	1112.8	1115.3
160°	973.6	982.4	991.2	993.3	1006.9	1025.0	1034.1	1049.1	1079.0	1101.6	1103.0
162.5°	989.8	996.3	1002.9	1004.5	1014.4	1027.5	1034.1	1046.7	1072.0	1091.0	1092.4
165°	1007.4	1013.3	1019.3	1020.8	1025.2	1031.1	1034.1	1043.1	1061.3	1074.9	1076.3
167.5°	1023.6	1026.4	1029.2	1029.9	1033.6	1038.6	1041.1	1047.1	1058.9	1067.8	1068.5
170°	1034.1	1036.9	1039.7	1040.4	1040.7	1040.9	1041.1	1047.1	1058.9	1067.8	1067.8
172.5°	1039.7	1040.3	1040.9	1041.1	1041.1	1041.1	1041.1	1045.8	1055.1	1062.2	1061.7
175°	1047.5	1047.5	1047.5	1047.5	1045.4	1042.6	1041.1	1044.1	1050.1	1054.5	1054.5
177.5°	1047.5	1047.5	1047.5	1047.5	1045.8	1043.6	1042.5	1044.8	1049.5	1053.1	1052.4
180°	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4
2.5°	2490.4	2483.5	2490.4	2485.8	2488.1	2481.2	2460.5	2453.6	2460.5	2467.4	2467.4
5°	2520.2	2515.6	2520.2	2520.2	2518.0	2513.4	2490.4	2485.8	2490.4	2492.7	2488.1
7.5°	2529.5	2522.6	2529.5	2524.9	2524.9	2520.2	2497.2	2492.7	2495.0	2501.9	2495.0
10°	2529.5	2522.6	2529.5	2527.1	2524.9	2520.2	2497.2	2488.1	2488.1	2495.0	2488.1
12.5°	2518.0	2513.4	2518.0	2513.4	2513.4	2508.7	2485.8	2476.6	2478.9	2481.2	2472.0
15°	2499.6	2492.7	2499.6	2495.0	2497.2	2490.4	2465.1	2455.9	2455.9	2460.5	2444.5
17.5°	2472.0	2462.9	2472.0	2469.7	2467.4	2462.9	2439.9	2430.6	2428.4	2430.6	2419.1
20°	2439.9	2433.0	2439.9	2437.5	2437.5	2428.4	2405.4	2393.9	2393.9	2393.9	2382.4
22.5°	2389.3	2382.4	2389.3	2393.9	2393.9	2391.6	2370.9	2354.9	2350.3	2350.3	2336.5
25°	2331.9	2325.0	2331.9	2331.9	2329.6	2331.9	2325.0	2315.8	2308.9	2302.0	2288.2
27.5°	2276.8	2272.1	2276.8	2272.1	2276.8	2269.9	2267.5	2265.3	2256.0	2249.1	2230.8
30°	2221.6	2217.0	2221.6	2217.0	2212.4	2207.8	2196.3	2191.8	2200.9	2196.3	2166.4
32.5°	2152.7	2148.0	2152.7	2152.7	2148.0	2148.0	2129.7	2122.8	2125.1	2138.9	2111.3
35°	2081.4	2074.5	2081.4	2079.2	2081.4	2074.5	2063.0	2060.8	2051.5	2067.7	2047.0
37.5°	1998.8	1991.8	1998.8	1998.8	1998.8	2003.3	1994.2	1987.3	1973.4	1994.2	1978.0
40°	1913.8	1904.5	1913.8	1911.4	1913.8	1918.3	1913.8	1909.2	1895.3	1911.4	1897.7
42.5°	1817.3	1814.9	1817.3	1819.6	1819.6	1828.7	1835.7	1826.4	1821.8	1810.3	1819.6
45°	1713.8	1709.3	1713.8	1718.4	1720.7	1725.3	1746.1	1746.1	1739.2	1720.7	1734.6
47.5°	1603.6	1592.1	1603.6	1617.3	1617.3	1624.2	1644.9	1661.1	1649.6	1626.6	1633.5
50°	1486.5	1488.7	1486.5	1495.6	1495.6	1520.9	1537.0	1553.1	1564.6	1537.0	1504.8
52.5°	1371.6	1369.2	1371.6	1378.5	1387.6	1399.1	1426.7	1442.7	1461.1	1445.1	1394.5
55°	1256.6	1261.3	1256.6	1259.0	1263.6	1270.5	1311.8	1327.9	1362.4	1341.7	1288.9
57.5°	1141.8	1134.9	1141.8	1146.4	1148.7	1155.6	1190.0	1219.9	1240.6	1242.9	1178.6
60°	1008.5	999.4	1008.5	1029.3	1033.9	1038.4	1070.6	1098.1	1116.5	1123.4	1056.8
62.5°	891.4	875.3	891.4	905.2	914.4	925.9	948.8	990.2	1006.3	1008.5	914.4
65°	767.3	760.4	767.3	794.9	797.2	811.0	836.3	866.1	900.5	896.0	760.4
67.5°	654.8	654.8	654.8	673.2	686.9	693.8	725.9	739.8	783.4	788.0	634.1
70°	551.3	549.1	551.3	565.2	574.3	590.4	620.3	636.4	670.8	682.3	514.6
72.5°	452.6	450.3	452.6	464.1	473.3	487.1	512.3	530.7	560.6	574.3	399.7
75°	365.3	360.7	365.3	374.5	372.2	390.6	411.2	429.6	457.2	466.3	296.3
77.5°	280.3	280.3	280.3	289.5	289.5	307.8	317.1	340.0	356.1	369.8	218.2
80°	209.1	206.7	209.1	211.4	211.4	220.6	236.6	252.7	266.5	266.5	149.4
82.5°	147.0	142.5	147.0	147.0	147.0	151.6	160.8	165.4	174.6	181.5	94.2
85°	91.9	91.9	91.9	94.2	91.9	96.5	98.8	103.4	103.4	98.8	57.5
87.5°	59.7	57.5	59.7	57.5	57.5	55.1	55.1	55.1	52.9	50.5	32.1
90°	26.7	26.7	26.7	26.7	26.7	35.6	47.4	53.4	45.9	30.9	19.6
92.5°	107.0	85.7	107.0	128.3	133.6	189.4	263.7	300.9	264.1	190.7	135.7
95°	372.9	308.6	372.9	437.3	453.4	595.4	784.8	879.5	742.8	469.3	264.3
97.5°	893.7	771.2	893.7	1016.1	1046.7	1136.5	1256.2	1316.0	1088.1	632.2	290.3
100°	1287.6	1141.7	1287.6	1433.4	1469.9	1463.4	1454.6	1450.2	1197.3	691.5	312.1
102.5°	1675.0	1550.1	1675.0	1800.0	1831.2	1716.9	1564.4	1488.2	1231.7	718.7	333.9
105°	2169.0	2101.9	2169.0	2236.2	2253.0	1996.7	1654.9	1484.0	1235.6	738.8	366.2
107.5°	2492.6	2508.9	2492.6	2476.4	2472.4	2114.8	1638.1	1399.7	1180.6	742.6	414.0
110°	2616.1	2686.1	2616.1	2546.1	2528.7	2128.8	1595.8	1329.3	1131.8	736.9	440.7



TEST NUMBER: P935763

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2627.0	2734.6	2627.0	2519.6	2492.7	2083.6	1538.0	1265.3	1089.3	737.2	473.1
115°	2557.4	2706.4	2557.4	2408.5	2371.2	1977.1	1451.5	1188.7	1040.5	744.0	521.6
117.5°	2409.7	2575.0	2409.7	2244.4	2203.2	1847.4	1373.1	1136.0	1009.9	757.8	568.7
120°	2290.7	2451.3	2290.7	2130.1	2089.9	1764.9	1331.6	1114.9	999.6	769.0	596.1
122.5°	2174.7	2333.1	2174.7	2016.3	1976.8	1684.1	1293.9	1098.8	994.2	785.2	628.5
125°	2009.5	2155.4	2009.5	1863.5	1827.1	1578.4	1246.9	1081.2	989.8	807.0	669.9
127.5°	1860.7	1983.8	1860.7	1737.6	1706.9	1493.4	1208.8	1066.5	987.3	828.9	710.0
130°	1773.1	1886.8	1773.1	1659.3	1630.9	1440.8	1187.5	1060.8	988.7	844.7	736.7
132.5°	1693.6	1795.4	1693.6	1591.6	1566.2	1396.1	1169.3	1055.9	989.8	857.6	758.5
135°	1584.6	1672.4	1584.6	1496.8	1474.9	1332.4	1142.4	1047.5	988.9	871.7	783.8
137.5°	1497.1	1569.0	1497.1	1425.3	1407.3	1286.9	1126.3	1046.0	995.0	892.8	816.2
140°	1437.2	1504.4	1437.2	1370.1	1353.2	1249.2	1110.5	1041.1	995.9	905.6	837.9
142.5°	1387.5	1445.4	1387.5	1329.8	1315.3	1223.9	1102.0	1041.1	999.6	916.5	854.1
145°	1313.0	1356.7	1313.0	1269.3	1258.4	1183.6	1083.9	1034.1	999.6	930.5	878.7
147.5°	1255.9	1292.1	1255.9	1219.6	1210.6	1151.7	1073.2	1034.1	1006.4	951.1	909.7
150°	1219.9	1249.2	1219.9	1190.5	1183.1	1133.4	1067.2	1034.1	1010.0	961.9	925.8
152.5°	1189.0	1211.2	1189.0	1166.8	1161.3	1118.9	1062.3	1034.1	1012.3	969.0	936.4
155°	1153.7	1168.4	1153.7	1139.1	1135.3	1101.6	1056.6	1034.1	1017.5	984.4	959.6
157.5°	1125.7	1136.0	1125.7	1115.3	1112.8	1086.6	1051.5	1034.1	1022.7	999.8	982.7
160°	1109.0	1114.9	1109.0	1103.0	1101.6	1079.0	1049.1	1034.1	1025.0	1006.9	993.3
162.5°	1098.1	1103.7	1098.1	1092.4	1091.0	1072.0	1046.7	1034.1	1027.5	1014.4	1004.5
165°	1082.3	1088.2	1082.3	1076.3	1074.9	1061.3	1043.1	1034.1	1031.1	1025.2	1020.8
167.5°	1070.9	1073.4	1070.9	1068.5	1067.8	1058.9	1047.1	1041.1	1038.6	1033.6	1029.9
170°	1067.8	1067.8	1067.8	1067.8	1067.8	1058.9	1047.1	1041.1	1040.9	1040.7	1040.4
172.5°	1059.5	1057.3	1059.5	1061.7	1062.2	1055.1	1045.8	1041.1	1041.1	1041.1	1041.1
175°	1054.5	1054.5	1054.5	1054.5	1054.5	1050.1	1044.1	1041.1	1042.6	1045.4	1047.5
177.5°	1050.0	1047.5	1050.0	1052.4	1053.1	1049.5	1044.8	1042.5	1043.6	1045.8	1047.5
180°	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5



TEST NUMBER: P935763

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4
2.5°	2462.9	2449.0	2449.0	2426.1	2416.9	2410.0	2398.5	2364.0	2354.9	2345.6	2359.4
5°	2483.5	2458.2	2439.9	2398.5	2364.0	2350.3	2306.6	2223.9	2168.8	2127.4	2104.4
7.5°	2488.1	2455.9	2421.5	2357.1	2274.4	2237.6	2104.4	1952.8	1911.4	1874.7	1851.7
10°	2483.5	2446.7	2398.5	2302.0	2106.8	2042.4	1909.2	1810.3	1785.1	1778.2	1785.1
12.5°	2467.4	2433.0	2366.4	2205.5	1932.2	1888.4	1810.3	1752.9	1748.3	1759.8	1821.8
15°	2439.9	2407.6	2329.6	2076.9	1835.7	1803.4	1748.3	1727.7	1752.9	1833.3	2019.4
17.5°	2412.3	2375.5	2279.0	1950.5	1762.1	1739.2	1700.1	1741.4	1883.9	1991.8	2053.9
20°	2375.5	2331.9	2221.6	1858.6	1709.3	1688.6	1670.2	1856.3	1964.3	2003.3	2037.8
22.5°	2331.9	2285.9	2143.5	1794.3	1654.1	1638.1	1649.6	1920.7	1964.3	1991.8	2021.7
25°	2274.4	2235.4	2051.5	1743.7	1610.5	1592.1	1635.7	1913.8	1939.0	1945.9	2005.7
27.5°	2221.6	2171.0	1955.1	1697.8	1557.6	1550.7	1647.2	1883.9	1902.3	1909.2	1973.4
30°	2157.3	2081.4	1847.1	1649.6	1502.5	1500.2	1649.6	1847.1	1842.5	1860.9	1925.2
32.5°	2090.7	1948.2	1725.3	1589.8	1449.7	1447.4	1633.5	1791.9	1787.4	1812.7	1860.9
35°	2028.6	1844.8	1560.0	1520.9	1383.0	1385.3	1594.4	1727.7	1729.9	1752.9	1782.8
37.5°	1964.3	1755.2	1378.5	1445.1	1318.7	1318.7	1541.6	1667.9	1663.3	1670.2	1711.6
40°	1888.4	1615.1	1217.6	1346.2	1259.0	1252.1	1477.2	1603.6	1587.5	1585.2	1642.7
42.5°	1808.1	1461.1	1098.1	1215.4	1190.0	1180.9	1399.1	1525.5	1495.6	1502.5	1576.0
45°	1720.7	1419.8	1006.3	1026.9	1118.9	1111.9	1314.1	1435.9	1415.2	1433.6	1509.4
47.5°	1633.5	1337.1	976.4	852.3	1043.0	1040.8	1219.9	1348.6	1337.1	1355.5	1435.9
50°	1514.0	1245.2	974.1	730.6	958.0	967.2	1107.4	1263.6	1263.6	1279.6	1364.6
52.5°	1360.1	1132.6	884.5	661.7	859.3	886.8	1008.5	1190.0	1194.6	1210.7	1286.5
55°	1219.9	1015.4	820.2	608.8	742.1	801.8	912.0	1114.3	1123.4	1139.5	1208.4
57.5°	1091.3	845.4	806.4	546.8	634.1	691.5	827.0	1040.8	1045.3	1059.1	1125.7
60°	953.4	611.1	739.8	480.2	539.9	583.6	748.9	953.4	969.5	978.7	1036.1
62.5°	797.2	443.4	670.8	434.2	493.9	503.1	684.7	870.7	891.4	898.3	932.8
65°	567.4	372.2	569.8	395.2	445.7	448.0	615.7	785.7	804.1	815.6	840.9
67.5°	383.7	303.2	434.2	358.4	409.0	411.2	549.1	686.9	712.2	721.4	737.4
70°	266.5	202.2	321.6	319.3	367.6	372.2	477.8	597.3	620.3	627.2	636.4
72.5°	195.2	163.1	266.5	287.2	324.0	328.6	404.3	496.2	519.2	526.1	530.7
75°	149.4	172.3	216.0	250.5	275.7	278.0	330.8	404.3	420.4	425.1	427.3
77.5°	119.5	160.8	158.5	202.2	225.1	220.6	259.6	312.5	326.2	326.2	326.2
80°	89.6	126.4	119.5	144.7	165.4	160.8	186.1	222.9	227.5	232.0	229.7
82.5°	66.6	80.4	80.4	91.9	110.2	105.7	124.1	144.7	144.7	144.7	149.4
85°	41.4	46.0	36.7	48.2	62.0	59.7	68.9	78.1	80.4	80.4	75.9
87.5°	25.3	20.6	11.5	18.4	27.6	27.6	32.1	34.5	32.1	32.1	32.1
90°	18.3	12.7	7.1	12.7	18.3	19.6	30.9	45.9	53.4	47.4	35.6
92.5°	123.7	75.9	28.2	75.9	123.7	135.7	190.7	264.1	300.9	263.7	189.4
95°	242.4	155.0	67.5	155.0	242.4	264.3	469.3	742.8	879.5	784.8	595.4
97.5°	271.0	193.8	116.7	193.8	271.0	290.3	632.2	1088.1	1316.0	1256.2	1136.5
100°	294.6	224.7	154.7	224.7	294.6	312.1	691.5	1197.3	1450.2	1454.6	1463.4
102.5°	317.6	252.3	187.0	252.3	317.6	333.9	718.7	1231.7	1488.2	1564.4	1716.9
105°	352.4	297.2	241.9	297.2	352.4	366.2	738.8	1235.6	1484.0	1654.9	1996.7
107.5°	401.2	349.6	298.1	349.6	401.2	414.0	742.6	1180.6	1399.7	1638.1	2114.8
110°	429.0	382.5	336.0	382.5	429.0	440.7	736.9	1131.8	1329.3	1595.8	2128.8



TEST NUMBER: P935763

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	462.0	417.6	373.3	417.6	462.0	473.1	737.2	1089.3	1265.3	1538.0	2083.6
115°	511.4	470.4	429.5	470.4	511.4	521.6	744.0	1040.5	1188.7	1451.5	1977.1
117.5°	559.4	522.3	485.1	522.3	559.4	568.7	757.8	1009.9	1136.0	1373.1	1847.4
120°	587.4	552.4	517.4	552.4	587.4	596.1	769.0	999.6	1114.9	1331.6	1764.9
122.5°	619.7	584.4	549.1	584.4	619.7	628.5	785.2	994.2	1098.8	1293.9	1684.1
125°	661.9	629.7	597.5	629.7	661.9	669.9	807.0	989.8	1081.2	1246.9	1578.4
127.5°	701.9	669.4	636.9	669.4	701.9	710.0	828.9	987.3	1066.5	1208.8	1493.4
130°	727.9	693.0	658.0	693.0	727.9	736.7	844.7	988.7	1060.8	1187.5	1440.8
132.5°	749.7	714.8	679.8	714.8	749.7	758.5	857.6	989.8	1055.9	1169.3	1396.1
135°	775.8	744.0	712.1	744.0	775.8	783.8	871.7	988.9	1047.5	1142.4	1332.4
137.5°	808.3	776.7	745.1	776.7	808.3	816.2	892.8	995.0	1046.0	1126.3	1286.9
140°	830.7	801.6	772.6	801.6	830.7	837.9	905.6	995.9	1041.1	1110.5	1249.2
142.5°	847.4	820.5	793.6	820.5	847.4	854.1	916.5	999.6	1041.1	1102.0	1223.9
145°	872.8	849.4	826.0	849.4	872.8	878.7	930.5	999.6	1034.1	1083.9	1183.6
147.5°	904.0	881.2	858.4	881.2	904.0	909.7	951.1	1006.4	1034.1	1073.2	1151.7
150°	920.6	900.1	879.5	900.1	920.6	925.8	961.9	1010.0	1034.1	1067.2	1133.4
152.5°	932.5	916.8	901.2	916.8	932.5	936.4	969.0	1012.3	1034.1	1062.3	1118.9
155°	956.7	945.2	933.6	945.2	956.7	959.6	984.4	1017.5	1034.1	1056.6	1101.6
157.5°	979.9	968.7	957.5	968.7	979.9	982.7	999.8	1022.7	1034.1	1051.5	1086.6
160°	991.2	982.4	973.6	982.4	991.2	993.3	1006.9	1025.0	1034.1	1049.1	1079.0
162.5°	1002.9	996.3	989.8	996.3	1002.9	1004.5	1014.4	1027.5	1034.1	1046.7	1072.0
165°	1019.3	1013.3	1007.4	1013.3	1019.3	1020.8	1025.2	1031.1	1034.1	1043.1	1061.3
167.5°	1029.2	1026.4	1023.6	1026.4	1029.2	1029.9	1033.6	1038.6	1041.1	1047.1	1058.9
170°	1039.7	1036.9	1034.1	1036.9	1039.7	1040.4	1040.7	1040.9	1041.1	1047.1	1058.9
172.5°	1040.9	1040.3	1039.7	1040.3	1040.9	1041.1	1041.1	1041.1	1041.1	1045.8	1055.1
175°	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1045.4	1042.6	1041.1	1044.1	1050.1
177.5°	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1045.8	1043.6	1042.5	1044.8	1049.5
180°	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5



TEST NUMBER: P935763

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-6-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4	2428.4
2.5°	2343.4	2336.5	2345.6	2320.4	2345.6	2336.5	2343.4	2359.4	2345.6	2354.9	2364.0
5°	2056.2	2044.7	2007.9	1978.0	2007.9	2044.7	2056.2	2104.4	2127.4	2168.8	2223.9
7.5°	1837.9	1828.7	1819.6	1801.2	1819.6	1828.7	1837.9	1851.7	1874.7	1911.4	1952.8
10°	1789.7	1791.9	1805.8	1803.4	1805.8	1791.9	1789.7	1785.1	1778.2	1785.1	1810.3
12.5°	1913.8	1934.4	2010.3	2005.7	2010.3	1934.4	1913.8	1821.8	1759.8	1748.3	1752.9
15°	2056.2	2063.0	2079.2	2081.4	2079.2	2063.0	2056.2	2019.4	1833.3	1752.9	1727.7
17.5°	2069.9	2072.3	2083.8	2083.8	2083.8	2072.3	2069.9	2053.9	1991.8	1883.9	1741.4
20°	2058.5	2063.0	2086.0	2090.7	2086.0	2063.0	2058.5	2037.8	2003.3	1964.3	1856.3
22.5°	2053.9	2063.0	2081.4	2079.2	2081.4	2063.0	2053.9	2021.7	1991.8	1964.3	1920.7
25°	2030.9	2030.9	2033.2	2035.5	2033.2	2030.9	2030.9	2005.7	1945.9	1939.0	1913.8
27.5°	1982.7	1987.3	2001.0	1998.8	2001.0	1987.3	1982.7	1973.4	1909.2	1902.3	1883.9
30°	1939.0	1934.4	1922.9	1913.8	1922.9	1934.4	1939.0	1925.2	1860.9	1842.5	1847.1
32.5°	1865.5	1854.0	1842.5	1835.7	1842.5	1854.0	1865.5	1860.9	1812.7	1787.4	1791.9
35°	1778.2	1780.5	1778.2	1771.3	1778.2	1780.5	1778.2	1782.8	1752.9	1729.9	1727.7
37.5°	1716.2	1720.7	1718.4	1709.3	1718.4	1720.7	1716.2	1711.6	1670.2	1663.3	1667.9
40°	1651.8	1654.1	1651.8	1644.9	1651.8	1654.1	1651.8	1642.7	1585.2	1587.5	1603.6
42.5°	1589.8	1587.5	1580.6	1576.0	1580.6	1587.5	1589.8	1576.0	1502.5	1495.6	1525.5
45°	1518.6	1520.9	1507.1	1500.2	1507.1	1520.9	1518.6	1509.4	1433.6	1415.2	1435.9
47.5°	1447.4	1447.4	1435.9	1429.0	1435.9	1447.4	1447.4	1435.9	1355.5	1337.1	1348.6
50°	1371.6	1369.2	1353.2	1350.9	1353.2	1369.2	1371.6	1364.6	1279.6	1263.6	1263.6
52.5°	1284.2	1284.2	1286.5	1291.1	1286.5	1284.2	1284.2	1286.5	1210.7	1194.6	1190.0
55°	1208.4	1210.7	1226.9	1231.4	1226.9	1210.7	1208.4	1208.4	1139.5	1123.4	1114.3
57.5°	1130.4	1130.4	1141.8	1141.8	1141.8	1130.4	1130.4	1125.7	1059.1	1045.3	1040.8
60°	1040.8	1045.3	1054.5	1052.2	1054.5	1045.3	1040.8	1036.1	978.7	969.5	953.4
62.5°	946.5	951.1	953.4	948.8	953.4	951.1	946.5	932.8	898.3	891.4	870.7
65°	847.8	852.3	854.7	850.0	854.7	852.3	847.8	840.9	815.6	804.1	785.7
67.5°	746.7	744.3	742.1	751.3	742.1	744.3	746.7	737.4	721.4	712.2	686.9
70°	643.3	643.3	640.9	645.6	640.9	643.3	643.3	636.4	627.2	620.3	597.3
72.5°	533.0	530.7	539.9	533.0	539.9	530.7	533.0	530.7	526.1	519.2	496.2
75°	425.1	429.6	425.1	431.9	425.1	429.6	425.1	427.3	425.1	420.4	404.3
77.5°	324.0	328.6	324.0	324.0	324.0	328.6	324.0	326.2	326.2	326.2	312.5
80°	229.7	227.5	227.5	225.1	227.5	227.5	229.7	229.7	232.0	227.5	222.9
82.5°	147.0	144.7	144.7	149.4	144.7	144.7	147.0	149.4	144.7	144.7	144.7
85°	80.4	82.7	78.1	78.1	78.1	82.7	80.4	75.9	80.4	80.4	78.1
87.5°	29.9	27.6	27.6	27.6	27.6	27.6	29.9	32.1	32.1	32.1	34.5
90°	26.7	26.7	26.7	26.7	26.7	26.7	26.7	35.6	47.4	53.4	45.9
92.5°	133.6	128.3	107.0	85.7	107.0	128.3	133.6	189.4	263.7	300.9	264.1
95°	453.4	437.3	372.9	308.6	372.9	437.3	453.4	595.4	784.8	879.5	742.8
97.5°	1046.7	1016.1	893.7	771.2	893.7	1016.1	1046.7	1136.5	1256.2	1316.0	1088.1
100°	1469.9	1433.4	1287.6	1141.7	1287.6	1433.4	1469.9	1463.4	1454.6	1450.2	1197.3
102.5°	1831.2	1800.0	1675.0	1550.1	1675.0	1800.0	1831.2	1716.9	1564.4	1488.2	1231.7
105°	2253.0	2236.2	2169.0	2101.9	2169.0	2236.2	2253.0	1996.7	1654.9	1484.0	1235.6
107.5°	2472.4	2476.4	2492.6	2508.9	2492.6	2476.4	2472.4	2114.8	1638.1	1399.7	1180.6
110°	2528.7	2546.1	2616.1	2686.1	2616.1	2546.1	2528.7	2128.8	1595.8	1329.3	1131.8



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2492.7	2519.6	2627.0	2734.6	2627.0	2519.6	2492.7	2083.6	1538.0	1265.3	1089.3
115°	2371.2	2408.5	2557.4	2706.4	2557.4	2408.5	2371.2	1977.1	1451.5	1188.7	1040.5
117.5°	2203.2	2244.4	2409.7	2575.0	2409.7	2244.4	2203.2	1847.4	1373.1	1136.0	1009.9
120°	2089.9	2130.1	2290.7	2451.3	2290.7	2130.1	2089.9	1764.9	1331.6	1114.9	999.6
122.5°	1976.8	2016.3	2174.7	2333.1	2174.7	2016.3	1976.8	1684.1	1293.9	1098.8	994.2
125°	1827.1	1863.5	2009.5	2155.4	2009.5	1863.5	1827.1	1578.4	1246.9	1081.2	989.8
127.5°	1706.9	1737.6	1860.7	1983.8	1860.7	1737.6	1706.9	1493.4	1208.8	1066.5	987.3
130°	1630.9	1659.3	1773.1	1886.8	1773.1	1659.3	1630.9	1440.8	1187.5	1060.8	988.7
132.5°	1566.2	1591.6	1693.6	1795.4	1693.6	1591.6	1566.2	1396.1	1169.3	1055.9	989.8
135°	1474.9	1496.8	1584.6	1672.4	1584.6	1496.8	1474.9	1332.4	1142.4	1047.5	988.9
137.5°	1407.3	1425.3	1497.1	1569.0	1497.1	1425.3	1407.3	1286.9	1126.3	1046.0	995.0
140°	1353.2	1370.1	1437.2	1504.4	1437.2	1370.1	1353.2	1249.2	1110.5	1041.1	995.9
142.5°	1315.3	1329.8	1387.5	1445.4	1387.5	1329.8	1315.3	1223.9	1102.0	1041.1	999.6
145°	1258.4	1269.3	1313.0	1356.7	1313.0	1269.3	1258.4	1183.6	1083.9	1034.1	999.6
147.5°	1210.6	1219.6	1255.9	1292.1	1255.9	1219.6	1210.6	1151.7	1073.2	1034.1	1006.4
150°	1183.1	1190.5	1219.9	1249.2	1219.9	1190.5	1183.1	1133.4	1067.2	1034.1	1010.0
152.5°	1161.3	1166.8	1189.0	1211.2	1189.0	1166.8	1161.3	1118.9	1062.3	1034.1	1012.3
155°	1135.3	1139.1	1153.7	1168.4	1153.7	1139.1	1135.3	1101.6	1056.6	1034.1	1017.5
157.5°	1112.8	1115.3	1125.7	1136.0	1125.7	1115.3	1112.8	1086.6	1051.5	1034.1	1022.7
160°	1101.6	1103.0	1109.0	1114.9	1109.0	1103.0	1101.6	1079.0	1049.1	1034.1	1025.0
162.5°	1091.0	1092.4	1098.1	1103.7	1098.1	1092.4	1091.0	1072.0	1046.7	1034.1	1027.5
165°	1074.9	1076.3	1082.3	1088.2	1082.3	1076.3	1074.9	1061.3	1043.1	1034.1	1031.1
167.5°	1067.8	1068.5	1070.9	1073.4	1070.9	1068.5	1067.8	1058.9	1047.1	1041.1	1038.6
170°	1067.8	1067.8	1067.8	1067.8	1067.8	1067.8	1067.8	1058.9	1047.1	1041.1	1040.9
172.5°	1062.2	1061.7	1059.5	1057.3	1059.5	1061.7	1062.2	1055.1	1045.8	1041.1	1041.1
175°	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1054.5	1050.1	1044.1	1041.1	1042.6
177.5°	1053.1	1052.4	1050.0	1047.5	1050.0	1052.4	1053.1	1049.5	1044.8	1042.5	1043.6
180°	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5	1047.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2428.4	2428.4	2428.4	2428.4	2428.4
2.5°	2398.5	2410.0	2416.9	2426.1	2449.0
5°	2306.6	2350.3	2364.0	2398.5	2439.9
7.5°	2104.4	2237.6	2274.4	2357.1	2421.5
10°	1909.2	2042.4	2106.8	2302.0	2398.5
12.5°	1810.3	1888.4	1932.2	2205.5	2366.4
15°	1748.3	1803.4	1835.7	2076.9	2329.6
17.5°	1700.1	1739.2	1762.1	1950.5	2279.0
20°	1670.2	1688.6	1709.3	1858.6	2221.6
22.5°	1649.6	1638.1	1654.1	1794.3	2143.5
25°	1635.7	1592.1	1610.5	1743.7	2051.5
27.5°	1647.2	1550.7	1557.6	1697.8	1955.1
30°	1649.6	1500.2	1502.5	1649.6	1847.1
32.5°	1633.5	1447.4	1449.7	1589.8	1725.3
35°	1594.4	1385.3	1383.0	1520.9	1560.0
37.5°	1541.6	1318.7	1318.7	1445.1	1378.5
40°	1477.2	1252.1	1259.0	1346.2	1217.6
42.5°	1399.1	1180.9	1190.0	1215.4	1098.1
45°	1314.1	1111.9	1118.9	1026.9	1006.3
47.5°	1219.9	1040.8	1043.0	852.3	976.4
50°	1107.4	967.2	958.0	730.6	974.1
52.5°	1008.5	886.8	859.3	661.7	884.5
55°	912.0	801.8	742.1	608.8	820.2
57.5°	827.0	691.5	634.1	546.8	806.4
60°	748.9	583.6	539.9	480.2	739.8
62.5°	684.7	503.1	493.9	434.2	670.8
65°	615.7	448.0	445.7	395.2	569.8
67.5°	549.1	411.2	409.0	358.4	434.2
70°	477.8	372.2	367.6	319.3	321.6
72.5°	404.3	328.6	324.0	287.2	266.5
75°	330.8	278.0	275.7	250.5	216.0
77.5°	259.6	220.6	225.1	202.2	158.5
80°	186.1	160.8	165.4	144.7	119.5
82.5°	124.1	105.7	110.2	91.9	80.4
85°	68.9	59.7	62.0	48.2	36.7
87.5°	32.1	27.6	27.6	18.4	11.5
90°	30.9	19.6	18.3	12.7	7.1
92.5°	190.7	135.7	123.7	75.9	28.2
95°	469.3	264.3	242.4	155.0	67.5
97.5°	632.2	290.3	271.0	193.8	116.7
100°	691.5	312.1	294.6	224.7	154.7
102.5°	718.7	333.9	317.6	252.3	187.0
105°	738.8	366.2	352.4	297.2	241.9
107.5°	742.6	414.0	401.2	349.6	298.1
110°	736.9	440.7	429.0	382.5	336.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	737.2	473.1	462.0	417.6	373.3
115°	744.0	521.6	511.4	470.4	429.5
117.5°	757.8	568.7	559.4	522.3	485.1
120°	769.0	596.1	587.4	552.4	517.4
122.5°	785.2	628.5	619.7	584.4	549.1
125°	807.0	669.9	661.9	629.7	597.5
127.5°	828.9	710.0	701.9	669.4	636.9
130°	844.7	736.7	727.9	693.0	658.0
132.5°	857.6	758.5	749.7	714.8	679.8
135°	871.7	783.8	775.8	744.0	712.1
137.5°	892.8	816.2	808.3	776.7	745.1
140°	905.6	837.9	830.7	801.6	772.6
142.5°	916.5	854.1	847.4	820.5	793.6
145°	930.5	878.7	872.8	849.4	826.0
147.5°	951.1	909.7	904.0	881.2	858.4
150°	961.9	925.8	920.6	900.1	879.5
152.5°	969.0	936.4	932.5	916.8	901.2
155°	984.4	959.6	956.7	945.2	933.6
157.5°	999.8	982.7	979.9	968.7	957.5
160°	1006.9	993.3	991.2	982.4	973.6
162.5°	1014.4	1004.5	1002.9	996.3	989.8
165°	1025.2	1020.8	1019.3	1013.3	1007.4
167.5°	1033.6	1029.9	1029.2	1026.4	1023.6
170°	1040.7	1040.4	1039.7	1036.9	1034.1
172.5°	1041.1	1041.1	1040.9	1040.3	1039.7
175°	1045.4	1047.5	1047.5	1047.5	1047.5
177.5°	1045.8	1047.5	1047.5	1047.5	1047.5
180°	1047.5	1047.5	1047.5	1047.5	1047.5



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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	14.04	14.89	15.01	15.87	17.17	16.86	17.71	17.84	18.70	19.99
	3H	14.52	15.27	15.50	16.27	17.59	18.21	18.96	19.19	19.96	21.28
	4H	14.71	15.42	15.70	16.42	17.75	18.65	19.37	19.65	20.37	21.69
	6H	14.83	15.49	15.83	16.49	17.83	18.93	19.59	19.94	20.60	21.94
	8H	14.83	15.45	15.84	16.48	17.81	19.01	19.63	20.02	20.65	21.99
	12H	14.80	15.39	15.82	16.41	17.77	19.04	19.64	20.06	20.66	22.02
4H	2H	15.07	15.79	16.07	16.79	18.11	17.27	17.99	18.28	18.99	20.32
	3H	16.10	16.69	17.11	17.72	19.06	18.78	19.37	19.79	20.40	21.74
	4H	16.37	16.92	17.39	17.94	19.30	19.30	19.85	20.32	20.87	22.23
	6H	16.50	16.96	17.53	18.01	19.37	19.66	20.13	20.70	21.18	22.54
	8H	16.50	16.94	17.53	17.98	19.35	19.77	20.21	20.80	21.25	22.62
	12H	16.47	16.86	17.52	17.92	19.30	19.82	20.22	20.88	21.27	22.65
8H	4H	16.82	17.26	17.85	18.30	19.67	19.42	19.86	20.46	20.90	22.28
	6H	17.08	17.45	18.14	18.52	19.90	19.86	20.22	20.92	21.30	22.67
	8H	17.13	17.44	18.19	18.51	19.90	20.01	20.33	21.07	21.39	22.79
	12H	17.11	17.39	18.18	18.45	19.88	20.11	20.39	21.17	21.45	22.88
12H	4H	16.83	17.22	17.88	18.28	19.66	19.39	19.78	20.44	20.84	22.22
	6H	17.14	17.46	18.21	18.53	19.92	19.86	20.18	20.92	21.24	22.63
	8H	17.21	17.49	18.28	18.55	19.98	20.02	20.30	21.08	21.35	22.79