

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: P935645

Luminaire Tested: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935645
REPORT IS A COMBINATION OF REPORTS P933764 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-8-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

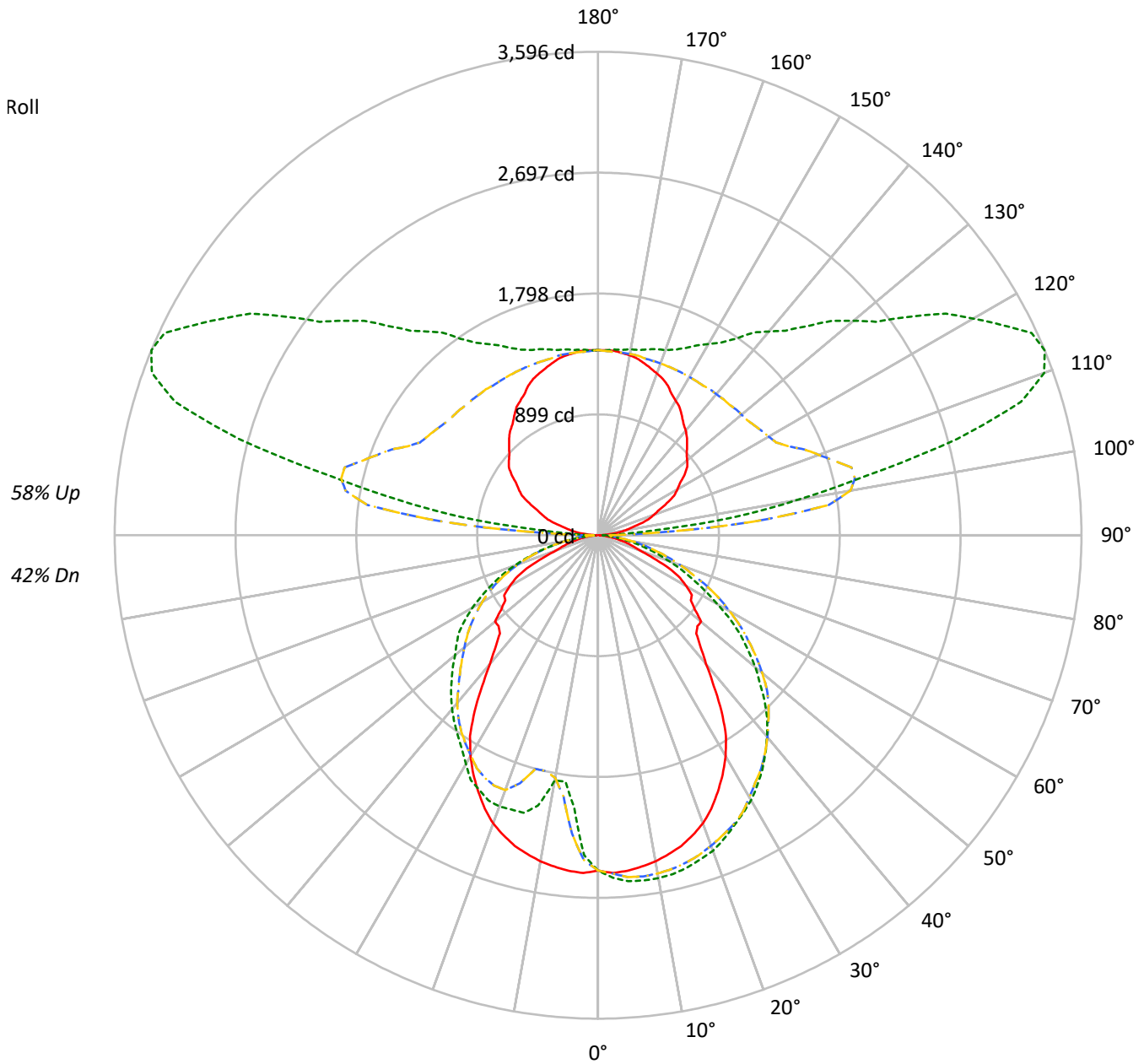
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15397.7 lumens
Efficiency: N/A
Efficacy: 119.5 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): 128.8
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

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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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	49	49	49	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	41	41	41	35
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	35	35	35	30
3	80	70	63	57	72	65	58	53	53	49	45	43	40	37	34	31	30	30	30	30	25
4	73	62	54	49	66	57	50	45	47	42	38	38	35	32	30	28	25	25	25	25	22
5	67	55	47	41	61	51	44	39	42	37	33	34	31	27	27	24	22	22	22	22	19
6	62	50	42	36	56	46	39	33	38	33	29	31	27	24	24	22	19	19	19	19	16
7	57	45	37	31	52	41	34	29	34	29	25	28	24	21	22	19	17	17	17	17	15
8	53	40	33	28	48	37	31	26	31	26	22	26	22	19	20	18	15	15	15	15	13
9	49	37	30	25	45	34	27	23	29	24	20	24	20	17	19	16	14	14	14	14	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	13	13	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11567	11567	11567	11567
5°	11654	11677	11654	9182
10°	11576	11502	11576	8223
15°	11450	11253	11450	9396
20°	11211	10958	11211	9416
25°	10720	10527	10720	9216
30°	10087	10170	10087	8778
35°	8992	9718	8992	8297
40°	7493	9185	7493	7933
45°	6695	8562	6695	7515
50°	7113	7819	7113	7095
55°	6692	7018	6692	6852
60°	6898	5961	6898	6276
65°	6254	4928	6254	5508
70°	4331	3927	4331	4617
75°	3797	2903	3797	3476
80°	3059	1919	3059	2090
85°	1761	1016	1761	864

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10261 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.1	1.5
10°-20°	639.0	4.1
20°-30°	987.8	6.4
30°-40°	1179.2	7.7
40°-50°	1186.1	7.7
50°-60°	1032.0	6.7
60°-70°	731.7	4.8
70°-80°	387.1	2.5
80°-90°	101.7	0.7
90°-100°	671.3	4.4
100°-110°	1765.0	11.5
110°-120°	1830.1	11.9
120°-130°	1468.0	9.5
130°-140°	1151.8	7.5
140°-150°	884.1	5.7
150°-160°	636.7	4.1
160°-170°	389.6	2.5
170°-180°	131.6	0.9
0°-30°	1851.8	12.0
0°-40°	3031.0	19.7
0°-60°	5249.1	34.1
0°-90°	6469.6	42.0
90°-120°	4266.4	27.7
90°-150°	7770.2	50.5
90°-180°	8928.0	58.0
0°-180°	15397.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2493	2493	2493	2493	2493	
5°	2505	2583	2505	2031	2505	238
15°	2392	2559	2392	2137	2392	673
25°	2106	2387	2106	2090	2106	967
35°	1602	2130	1602	1818	1602	991
45°	1033	1755	1033	1540	1033	828
55°	842	1295	842	1264	842	774
65°	585	781	585	873	585	559
75°	222	370	222	444	222	233
85°	38	94	38	80	38	51
90°	9	35	9	35	9	9
95°	89	406	89	406	89	99
105°	318	2764	318	2764	318	337
115°	565	3559	565	3559	565	558
125°	786	2834	786	2834	786	698
135°	936	2199	936	2199	936	724
145°	1086	1784	1086	1784	1086	680
155°	1228	1536	1228	1536	1228	564
165°	1325	1431	1325	1431	1325	374
175°	1377	1386	1377	1386	1377	131
180°	1377	1377	1377	1377	1377	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2
2.5°	2514.4	2514.4	2528.5	2533.3	2533.3	2526.2	2519.2	2526.2	2547.4	2554.5	2552.2
5°	2505.0	2523.8	2549.8	2554.5	2559.2	2556.8	2552.2	2556.8	2580.5	2585.2	2587.5
7.5°	2486.1	2521.5	2554.5	2561.6	2568.7	2561.6	2559.2	2564.0	2587.5	2592.3	2592.3
10°	2462.5	2512.0	2549.8	2554.5	2561.6	2554.5	2554.5	2564.0	2587.5	2592.3	2594.6
12.5°	2429.4	2497.9	2533.3	2538.0	2547.4	2545.0	2542.7	2552.2	2575.7	2580.5	2580.5
15°	2391.8	2471.9	2505.0	2509.7	2526.2	2521.5	2521.5	2530.9	2556.8	2564.0	2561.6
17.5°	2339.8	2438.9	2476.7	2483.7	2495.5	2493.2	2495.5	2505.0	2528.5	2533.3	2535.7
20°	2280.9	2394.1	2438.9	2446.0	2457.8	2457.8	2457.8	2469.6	2493.2	2502.6	2502.6
22.5°	2200.7	2347.0	2394.1	2398.8	2412.9	2412.9	2417.7	2434.2	2455.4	2457.8	2457.8
25°	2106.3	2295.0	2335.1	2349.3	2363.5	2370.5	2377.6	2387.0	2394.1	2391.8	2394.1
27.5°	2007.2	2229.0	2280.9	2290.3	2309.2	2316.3	2325.7	2328.0	2330.5	2337.5	2332.8
30°	1896.4	2137.0	2214.9	2224.3	2254.9	2259.7	2250.2	2254.9	2266.7	2271.5	2276.2
32.5°	1771.4	2000.2	2146.5	2167.6	2195.9	2181.8	2179.4	2186.6	2205.4	2205.4	2210.1
35°	1601.5	1894.1	2082.8	2101.6	2122.8	2106.3	2115.8	2118.1	2130.0	2137.0	2134.6
37.5°	1415.2	1802.0	2016.7	2030.9	2047.4	2026.2	2040.3	2047.4	2056.8	2052.1	2052.1
40°	1250.1	1658.2	1938.9	1948.3	1962.4	1945.9	1960.1	1964.8	1969.6	1964.8	1962.4
42.5°	1127.5	1500.1	1856.3	1868.1	1858.7	1870.5	1875.2	1884.6	1877.5	1868.1	1868.1
45°	1033.1	1457.6	1766.7	1780.9	1766.7	1785.6	1792.6	1792.6	1771.4	1766.7	1764.4
47.5°	1002.5	1372.8	1677.1	1677.1	1670.0	1693.6	1705.4	1688.8	1667.6	1660.5	1660.5
50°	1000.1	1278.4	1554.4	1544.9	1578.0	1606.3	1594.5	1578.0	1561.5	1535.5	1535.5
52.5°	908.2	1162.8	1396.3	1431.8	1483.6	1500.1	1481.3	1464.8	1436.5	1424.7	1415.2
55°	842.1	1042.6	1252.5	1323.2	1377.5	1398.7	1363.3	1346.9	1304.4	1297.3	1292.6
57.5°	827.9	868.0	1120.4	1210.0	1276.1	1273.7	1252.5	1221.8	1186.5	1179.3	1177.0
60°	759.5	627.4	978.8	1085.0	1153.4	1146.3	1127.5	1099.2	1066.1	1061.4	1056.7
62.5°	688.7	455.2	818.4	938.8	1035.4	1033.1	1016.6	974.1	950.6	938.8	929.3
65°	584.9	382.1	582.6	780.8	919.9	924.6	889.2	858.6	832.6	818.4	816.1
67.5°	445.8	311.3	393.9	651.0	809.1	804.3	759.5	745.3	712.3	705.3	691.1
70°	330.2	207.5	273.6	528.3	700.5	688.7	653.4	636.9	606.2	589.7	580.2
72.5°	273.6	167.5	200.5	410.4	589.7	575.6	544.9	526.0	500.0	485.9	476.5
75°	221.7	176.9	153.4	304.3	478.8	469.4	441.0	422.2	401.0	382.1	384.5
77.5°	162.7	165.1	122.6	224.0	379.7	365.6	349.1	325.5	316.1	297.2	297.2
80°	122.6	129.7	92.0	153.4	273.6	273.6	259.5	243.0	226.5	217.0	217.0
82.5°	82.6	82.6	68.4	96.7	186.4	179.2	169.9	165.1	155.7	150.9	150.9
85°	37.8	47.1	42.5	59.0	101.4	106.1	106.1	101.4	99.1	94.3	96.7
87.5°	11.8	21.2	26.0	33.0	51.9	54.3	56.6	56.6	56.6	59.0	59.0
90°	9.3	16.7	24.0	25.9	40.7	60.4	70.2	62.4	46.8	35.1	35.1
92.5°	37.0	99.8	162.7	178.4	250.8	347.3	395.6	346.7	249.0	175.6	168.6
95°	88.7	203.8	318.8	347.6	617.2	976.6	1156.3	1031.9	782.9	596.2	575.0
97.5°	153.4	254.9	356.4	381.8	831.3	1430.7	1730.3	1651.7	1494.3	1376.3	1336.1
100°	203.3	295.4	387.4	410.4	909.2	1574.3	1906.9	1912.6	1924.1	1932.8	1884.9
102.5°	245.8	331.7	417.6	439.1	945.0	1619.6	1956.8	2057.0	2257.5	2407.8	2366.8
105°	318.0	390.7	463.4	481.6	971.4	1624.7	1951.3	2175.9	2625.4	2962.4	2940.4
107.5°	391.9	459.7	527.4	544.4	976.3	1552.4	1840.3	2153.8	2780.7	3250.8	3256.2
110°	441.8	503.1	564.3	579.6	969.0	1488.3	1747.9	2098.4	2799.2	3324.7	3347.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	490.9	549.1	607.5	622.1	969.3	1432.3	1663.8	2022.4	2739.6	3277.6	3313.0
115°	564.8	618.6	672.3	685.8	978.2	1368.1	1563.1	1908.5	2599.5	3117.7	3166.7
117.5°	637.8	686.7	735.5	747.7	996.4	1328.0	1493.7	1805.5	2429.1	2896.8	2951.2
120°	680.3	726.3	772.3	783.8	1011.2	1314.4	1465.9	1750.9	2320.6	2748.0	2800.8
122.5°	721.9	768.3	814.7	826.3	1032.4	1307.2	1444.7	1701.2	2214.4	2599.2	2651.3
125°	785.7	828.0	870.3	880.8	1061.1	1301.4	1421.6	1639.6	2075.4	2402.3	2450.2
127.5°	837.5	880.2	922.9	933.6	1089.8	1298.0	1402.2	1589.3	1963.6	2244.2	2284.7
130°	865.1	911.2	957.2	968.7	1110.7	1300.1	1394.8	1561.4	1894.6	2144.4	2181.8
132.5°	893.8	939.8	985.8	997.3	1127.6	1301.4	1388.3	1537.4	1835.7	2059.4	2092.8
135°	936.4	978.2	1020.2	1030.6	1146.1	1300.2	1377.2	1502.1	1751.9	1939.2	1968.0
137.5°	979.7	1021.2	1062.8	1073.1	1173.9	1308.2	1375.3	1480.9	1692.1	1850.5	1874.1
140°	1015.8	1054.0	1092.2	1101.8	1190.8	1309.6	1368.9	1460.1	1642.5	1779.3	1801.4
142.5°	1043.6	1078.9	1114.2	1123.0	1204.9	1314.3	1368.9	1449.0	1609.2	1729.4	1748.4
145°	1086.1	1116.8	1147.7	1155.4	1223.5	1314.3	1359.6	1425.2	1556.3	1654.6	1668.9
147.5°	1128.6	1158.6	1188.6	1196.1	1250.6	1323.3	1359.6	1411.2	1514.3	1591.7	1603.6
150°	1156.3	1183.4	1210.6	1217.4	1264.8	1328.0	1359.6	1403.2	1490.3	1555.7	1565.3
152.5°	1185.0	1205.5	1226.0	1231.2	1274.0	1331.1	1359.6	1396.9	1471.2	1527.0	1534.3
155°	1227.5	1242.7	1257.9	1261.7	1294.4	1337.9	1359.6	1389.3	1448.5	1492.8	1497.6
157.5°	1259.0	1273.7	1288.5	1292.2	1314.7	1344.6	1359.6	1382.7	1428.6	1463.2	1466.6
160°	1280.2	1291.7	1303.2	1306.1	1323.9	1347.8	1359.6	1379.4	1418.8	1448.4	1450.3
162.5°	1301.4	1310.0	1318.7	1320.8	1333.8	1351.0	1359.6	1376.2	1409.5	1434.5	1436.4
165°	1324.6	1332.4	1340.2	1342.1	1347.9	1355.7	1359.6	1371.6	1395.4	1413.3	1415.2
167.5°	1345.8	1349.5	1353.2	1354.1	1359.0	1365.6	1368.9	1376.7	1392.3	1404.0	1404.8
170°	1359.6	1363.4	1367.1	1368.0	1368.3	1368.7	1368.9	1376.7	1392.3	1404.0	1404.0
172.5°	1367.0	1367.9	1368.7	1368.9	1368.9	1368.9	1368.9	1375.1	1387.4	1396.7	1396.0
175°	1377.2	1377.2	1377.2	1377.2	1374.5	1370.8	1368.9	1372.8	1380.6	1386.5	1386.5
177.5°	1377.2	1377.2	1377.2	1377.2	1375.1	1372.2	1370.8	1373.8	1380.0	1384.6	1383.8
180°	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2
2.5°	2556.8	2549.8	2556.8	2552.2	2554.5	2547.4	2526.2	2519.2	2526.2	2533.3	2533.3
5°	2587.5	2582.8	2587.5	2587.5	2585.2	2580.5	2556.8	2552.2	2556.8	2559.2	2554.5
7.5°	2597.0	2589.8	2597.0	2592.3	2592.3	2587.5	2564.0	2559.2	2561.6	2568.7	2561.6
10°	2597.0	2589.8	2597.0	2594.6	2592.3	2587.5	2564.0	2554.5	2554.5	2561.6	2554.5
12.5°	2585.2	2580.5	2585.2	2580.5	2580.5	2575.7	2552.2	2542.7	2545.0	2547.4	2538.0
15°	2566.3	2559.2	2566.3	2561.6	2564.0	2556.8	2530.9	2521.5	2521.5	2526.2	2509.7
17.5°	2538.0	2528.5	2538.0	2535.7	2533.3	2528.5	2505.0	2495.5	2493.2	2495.5	2483.7
20°	2505.0	2497.9	2505.0	2502.6	2502.6	2493.2	2469.6	2457.8	2457.8	2457.8	2446.0
22.5°	2453.1	2446.0	2453.1	2457.8	2457.8	2455.4	2434.2	2417.7	2412.9	2412.9	2398.8
25°	2394.1	2387.0	2394.1	2394.1	2391.8	2394.1	2387.0	2377.6	2370.5	2363.5	2349.3
27.5°	2337.5	2332.8	2337.5	2332.8	2337.5	2330.5	2328.0	2325.7	2316.3	2309.2	2290.3
30°	2280.9	2276.2	2280.9	2276.2	2271.5	2266.7	2254.9	2250.2	2259.7	2254.9	2224.3
32.5°	2210.1	2205.4	2210.1	2210.1	2205.4	2205.4	2186.6	2179.4	2181.8	2195.9	2167.6
35°	2137.0	2130.0	2137.0	2134.6	2137.0	2130.0	2118.1	2115.8	2106.3	2122.8	2101.6
37.5°	2052.1	2045.0	2052.1	2052.1	2052.1	2056.8	2047.4	2040.3	2026.2	2047.4	2030.9
40°	1964.8	1955.4	1964.8	1962.4	1964.8	1969.6	1964.8	1960.1	1945.9	1962.4	1948.3
42.5°	1865.8	1863.4	1865.8	1868.1	1868.1	1877.5	1884.6	1875.2	1870.5	1858.7	1868.1
45°	1759.6	1754.9	1759.6	1764.4	1766.7	1771.4	1792.6	1792.6	1785.6	1766.7	1780.9
47.5°	1646.3	1634.6	1646.3	1660.5	1660.5	1667.6	1688.8	1705.4	1693.6	1670.0	1677.1
50°	1526.1	1528.4	1526.1	1535.5	1535.5	1561.5	1578.0	1594.5	1606.3	1578.0	1544.9
52.5°	1408.2	1405.8	1408.2	1415.2	1424.7	1436.5	1464.8	1481.3	1500.1	1483.6	1431.8
55°	1290.2	1294.9	1290.2	1292.6	1297.3	1304.4	1346.9	1363.3	1398.7	1377.5	1323.2
57.5°	1172.3	1165.2	1172.3	1177.0	1179.3	1186.5	1221.8	1252.5	1273.7	1276.1	1210.0
60°	1035.4	1026.1	1035.4	1056.7	1061.4	1066.1	1099.2	1127.5	1146.3	1153.4	1085.0
62.5°	915.2	898.7	915.2	929.3	938.8	950.6	974.1	1016.6	1033.1	1035.4	938.8
65°	787.8	780.8	787.8	816.1	818.4	832.6	858.6	889.2	924.6	919.9	780.8
67.5°	672.2	672.2	672.2	691.1	705.3	712.3	745.3	759.5	804.3	809.1	651.0
70°	566.1	563.8	566.1	580.2	589.7	606.2	636.9	653.4	688.7	700.5	528.3
72.5°	464.7	462.3	464.7	476.5	485.9	500.0	526.0	544.9	575.6	589.7	410.4
75°	375.1	370.3	375.1	384.5	382.1	401.0	422.2	441.0	469.4	478.8	304.3
77.5°	287.8	287.8	287.8	297.2	297.2	316.1	325.5	349.1	365.6	379.7	224.0
80°	214.7	212.3	214.7	217.0	217.0	226.5	243.0	259.5	273.6	273.6	153.4
82.5°	150.9	146.2	150.9	150.9	150.9	155.7	165.1	169.9	179.2	186.4	96.7
85°	94.3	94.3	94.3	96.7	94.3	99.1	101.4	106.1	106.1	101.4	59.0
87.5°	61.3	59.0	61.3	59.0	59.0	56.6	56.6	56.6	54.3	51.9	33.0
90°	35.1	35.1	35.1	35.1	35.1	46.8	62.4	70.2	60.4	40.7	25.9
92.5°	140.7	112.7	140.7	168.6	175.6	249.0	346.7	395.6	347.3	250.8	178.4
95°	490.4	405.8	490.4	575.0	596.2	782.9	1031.9	1156.3	976.6	617.2	347.6
97.5°	1175.0	1014.0	1175.0	1336.1	1376.3	1494.3	1651.7	1730.3	1430.7	831.3	381.8
100°	1692.9	1501.1	1692.9	1884.9	1932.8	1924.1	1912.6	1906.9	1574.3	909.2	410.4
102.5°	2202.5	2038.1	2202.5	2366.8	2407.8	2257.5	2057.0	1956.8	1619.6	945.0	439.1
105°	2852.0	2763.7	2852.0	2940.4	2962.4	2625.4	2175.9	1951.3	1624.7	971.4	481.6
107.5°	3277.5	3298.9	3277.5	3256.2	3250.8	2780.7	2153.8	1840.3	1552.4	976.3	544.4
110°	3439.8	3531.8	3439.8	3347.8	3324.7	2799.2	2098.4	1747.9	1488.3	969.0	579.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3454.3	3595.6	3454.3	3313.0	3277.6	2739.6	2022.4	1663.8	1432.3	969.3	622.1
115°	3362.7	3558.6	3362.7	3166.7	3117.7	2599.5	1908.5	1563.1	1368.1	978.2	685.8
117.5°	3168.4	3385.8	3168.4	2951.2	2896.8	2429.1	1805.5	1493.7	1328.0	996.4	747.7
120°	3012.0	3223.1	3012.0	2800.8	2748.0	2320.6	1750.9	1465.9	1314.4	1011.2	783.8
122.5°	2859.6	3067.8	2859.6	2651.3	2599.2	2214.4	1701.2	1444.7	1307.2	1032.4	826.3
125°	2642.2	2834.0	2642.2	2450.2	2402.3	2075.4	1639.6	1421.6	1301.4	1061.1	880.8
127.5°	2446.6	2608.4	2446.6	2284.7	2244.2	1963.6	1589.3	1402.2	1298.0	1089.8	933.6
130°	2331.3	2480.9	2331.3	2181.8	2144.4	1894.6	1561.4	1394.8	1300.1	1110.7	968.7
132.5°	2226.8	2360.7	2226.8	2092.8	2059.4	1835.7	1537.4	1388.3	1301.4	1127.6	997.3
135°	2083.6	2199.0	2083.6	1968.0	1939.2	1751.9	1502.1	1377.2	1300.2	1146.1	1030.6
137.5°	1968.6	2063.1	1968.6	1874.1	1850.5	1692.1	1480.9	1375.3	1308.2	1173.9	1073.1
140°	1889.8	1978.0	1889.8	1801.4	1779.3	1642.5	1460.1	1368.9	1309.6	1190.8	1101.8
142.5°	1824.3	1900.4	1824.3	1748.4	1729.4	1609.2	1449.0	1368.9	1314.3	1204.9	1123.0
145°	1726.4	1783.9	1726.4	1668.9	1654.6	1556.3	1425.2	1359.6	1314.3	1223.5	1155.4
147.5°	1651.3	1698.9	1651.3	1603.6	1591.7	1514.3	1411.2	1359.6	1323.3	1250.6	1196.1
150°	1603.9	1642.5	1603.9	1565.3	1555.7	1490.3	1403.2	1359.6	1328.0	1264.8	1217.4
152.5°	1563.4	1592.6	1563.4	1534.3	1527.0	1471.2	1396.9	1359.6	1331.1	1274.0	1231.2
155°	1516.9	1536.2	1516.9	1497.6	1492.8	1448.5	1389.3	1359.6	1337.9	1294.4	1261.7
157.5°	1480.1	1493.7	1480.1	1466.6	1463.2	1428.6	1382.7	1359.6	1344.6	1314.7	1292.2
160°	1458.1	1465.9	1458.1	1450.3	1448.4	1418.8	1379.4	1359.6	1347.8	1323.9	1306.1
162.5°	1443.8	1451.2	1443.8	1436.4	1434.5	1409.5	1376.2	1359.6	1351.0	1333.8	1320.8
165°	1423.0	1430.9	1423.0	1415.2	1413.3	1395.4	1371.6	1359.6	1355.7	1347.9	1342.1
167.5°	1408.1	1411.4	1408.1	1404.8	1404.0	1392.3	1376.7	1368.9	1365.6	1359.0	1354.1
170°	1404.0	1404.0	1404.0	1404.0	1404.0	1392.3	1376.7	1368.9	1368.7	1368.3	1368.0
172.5°	1393.0	1390.2	1393.0	1396.0	1396.7	1387.4	1375.1	1368.9	1368.9	1368.9	1368.9
175°	1386.5	1386.5	1386.5	1386.5	1386.5	1380.6	1372.8	1368.9	1370.8	1374.5	1377.2
177.5°	1380.5	1377.2	1380.5	1383.8	1384.6	1380.0	1373.8	1370.8	1372.2	1375.1	1377.2
180°	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2
2.5°	2528.5	2514.4	2514.4	2490.9	2481.4	2474.3	2462.5	2427.1	2417.7	2408.3	2422.4
5°	2549.8	2523.8	2505.0	2462.5	2427.1	2412.9	2368.1	2283.2	2226.6	2184.2	2160.6
7.5°	2554.5	2521.5	2486.1	2420.1	2335.1	2297.4	2160.6	2004.9	1962.4	1924.8	1901.1
10°	2549.8	2512.0	2462.5	2363.5	2162.9	2096.9	1960.1	1858.7	1832.7	1825.7	1832.7
12.5°	2533.3	2497.9	2429.4	2264.4	1983.7	1938.9	1858.7	1799.7	1795.0	1806.8	1870.5
15°	2505.0	2471.9	2391.8	2132.3	1884.6	1851.6	1795.0	1773.7	1799.7	1882.3	2073.3
17.5°	2476.7	2438.9	2339.8	2002.6	1809.2	1785.6	1745.4	1787.9	1934.1	2045.0	2108.7
20°	2438.9	2394.1	2280.9	1908.2	1754.9	1733.6	1714.8	1905.8	2016.7	2056.8	2092.2
22.5°	2394.1	2347.0	2200.7	1842.2	1698.3	1681.8	1693.6	1971.9	2016.7	2045.0	2075.7
25°	2335.1	2295.0	2106.3	1790.2	1653.5	1634.6	1679.4	1964.8	1990.7	1997.9	2059.2
27.5°	2280.9	2229.0	2007.2	1743.1	1599.2	1592.2	1691.2	1934.1	1953.1	1960.1	2026.2
30°	2214.9	2137.0	1896.4	1693.6	1542.6	1540.2	1693.6	1896.4	1891.7	1910.6	1976.6
32.5°	2146.5	2000.2	1771.4	1632.2	1488.4	1486.0	1677.1	1839.8	1835.0	1861.0	1910.6
35°	2082.8	1894.1	1601.5	1561.5	1420.0	1422.3	1637.0	1773.7	1776.1	1799.7	1830.4
37.5°	2016.7	1802.0	1415.2	1483.6	1353.9	1353.9	1582.7	1712.4	1707.8	1714.8	1757.2
40°	1938.9	1658.2	1250.1	1382.2	1292.6	1285.5	1516.7	1646.3	1629.8	1627.5	1686.5
42.5°	1856.3	1500.1	1127.5	1247.8	1221.8	1212.4	1436.5	1566.2	1535.5	1542.6	1618.1
45°	1766.7	1457.6	1033.1	1054.4	1148.7	1141.7	1349.2	1474.2	1453.0	1471.8	1549.7
47.5°	1677.1	1372.8	1002.5	875.1	1070.9	1068.5	1252.5	1384.5	1372.8	1391.7	1474.2
50°	1554.4	1278.4	1000.1	750.1	983.6	993.0	1136.9	1297.3	1297.3	1313.8	1401.1
52.5°	1396.3	1162.8	908.2	679.3	882.2	910.5	1035.4	1221.8	1226.5	1243.1	1320.9
55°	1252.5	1042.6	842.1	625.1	761.9	823.2	936.4	1144.0	1153.4	1170.0	1240.7
57.5°	1120.4	868.0	827.9	561.4	651.0	710.0	849.1	1068.5	1073.2	1087.4	1155.8
60°	978.8	627.4	759.5	493.0	554.3	599.1	768.9	978.8	995.4	1004.8	1063.8
62.5°	818.4	455.2	688.7	445.8	507.1	516.6	702.9	894.0	915.2	922.3	957.6
65°	582.6	382.1	584.9	405.7	457.6	460.0	632.2	806.7	825.6	837.4	863.3
67.5°	393.9	311.3	445.8	367.9	419.9	422.2	563.8	705.3	731.2	740.6	757.1
70°	273.6	207.5	330.2	327.9	377.4	382.1	490.6	613.2	636.9	643.9	653.4
72.5°	200.5	167.5	273.6	294.8	332.6	337.3	415.2	509.5	533.1	540.1	544.9
75°	153.4	176.9	221.7	257.1	283.0	285.4	339.6	415.2	431.7	436.4	438.7
77.5°	122.6	165.1	162.7	207.5	231.2	226.5	266.5	320.8	334.9	334.9	334.9
80°	92.0	129.7	122.6	148.6	169.9	165.1	191.0	228.8	233.5	238.2	235.8
82.5°	68.4	82.6	82.6	94.3	113.2	108.5	127.4	148.6	148.6	148.6	153.4
85°	42.5	47.1	37.8	49.5	63.6	61.3	70.8	80.2	82.6	82.6	77.8
87.5°	26.0	21.2	11.8	18.8	28.3	28.3	33.0	35.3	33.0	33.0	33.0
90°	24.0	16.7	9.3	16.7	24.0	25.9	40.7	60.4	70.2	62.4	46.8
92.5°	162.7	99.8	37.0	99.8	162.7	178.4	250.8	347.3	395.6	346.7	249.0
95°	318.8	203.8	88.7	203.8	318.8	347.6	617.2	976.6	1156.3	1031.9	782.9
97.5°	356.4	254.9	153.4	254.9	356.4	381.8	831.3	1430.7	1730.3	1651.7	1494.3
100°	387.4	295.4	203.3	295.4	387.4	410.4	909.2	1574.3	1906.9	1912.6	1924.1
102.5°	417.6	331.7	245.8	331.7	417.6	439.1	945.0	1619.6	1956.8	2057.0	2257.5
105°	463.4	390.7	318.0	390.7	463.4	481.6	971.4	1624.7	1951.3	2175.9	2625.4
107.5°	527.4	459.7	391.9	459.7	527.4	544.4	976.3	1552.4	1840.3	2153.8	2780.7
110°	564.3	503.1	441.8	503.1	564.3	579.6	969.0	1488.3	1747.9	2098.4	2799.2



TEST NUMBER: P935645

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	607.5	549.1	490.9	549.1	607.5	622.1	969.3	1432.3	1663.8	2022.4	2739.6
115°	672.3	618.6	564.8	618.6	672.3	685.8	978.2	1368.1	1563.1	1908.5	2599.5
117.5°	735.5	686.7	637.8	686.7	735.5	747.7	996.4	1328.0	1493.7	1805.5	2429.1
120°	772.3	726.3	680.3	726.3	772.3	783.8	1011.2	1314.4	1465.9	1750.9	2320.6
122.5°	814.7	768.3	721.9	768.3	814.7	826.3	1032.4	1307.2	1444.7	1701.2	2214.4
125°	870.3	828.0	785.7	828.0	870.3	880.8	1061.1	1301.4	1421.6	1639.6	2075.4
127.5°	922.9	880.2	837.5	880.2	922.9	933.6	1089.8	1298.0	1402.2	1589.3	1963.6
130°	957.2	911.2	865.1	911.2	957.2	968.7	1110.7	1300.1	1394.8	1561.4	1894.6
132.5°	985.8	939.8	893.8	939.8	985.8	997.3	1127.6	1301.4	1388.3	1537.4	1835.7
135°	1020.2	978.2	936.4	978.2	1020.2	1030.6	1146.1	1300.2	1377.2	1502.1	1751.9
137.5°	1062.8	1021.2	979.7	1021.2	1062.8	1073.1	1173.9	1308.2	1375.3	1480.9	1692.1
140°	1092.2	1054.0	1015.8	1054.0	1092.2	1101.8	1190.8	1309.6	1368.9	1460.1	1642.5
142.5°	1114.2	1078.9	1043.6	1078.9	1114.2	1123.0	1204.9	1314.3	1368.9	1449.0	1609.2
145°	1147.7	1116.8	1086.1	1116.8	1147.7	1155.4	1223.5	1314.3	1359.6	1425.2	1556.3
147.5°	1188.6	1158.6	1128.6	1158.6	1188.6	1196.1	1250.6	1323.3	1359.6	1411.2	1514.3
150°	1210.6	1183.4	1156.3	1183.4	1210.6	1217.4	1264.8	1328.0	1359.6	1403.2	1490.3
152.5°	1226.0	1205.5	1185.0	1205.5	1226.0	1231.2	1274.0	1331.1	1359.6	1396.9	1471.2
155°	1257.9	1242.7	1227.5	1242.7	1257.9	1261.7	1294.4	1337.9	1359.6	1389.3	1448.5
157.5°	1288.5	1273.7	1259.0	1273.7	1288.5	1292.2	1314.7	1344.6	1359.6	1382.7	1428.6
160°	1303.2	1291.7	1280.2	1291.7	1303.2	1306.1	1323.9	1347.8	1359.6	1379.4	1418.8
162.5°	1318.7	1310.0	1301.4	1310.0	1318.7	1320.8	1333.8	1351.0	1359.6	1376.2	1409.5
165°	1340.2	1332.4	1324.6	1332.4	1340.2	1342.1	1347.9	1355.7	1359.6	1371.6	1395.4
167.5°	1353.2	1349.5	1345.8	1349.5	1353.2	1354.1	1359.0	1365.6	1368.9	1376.7	1392.3
170°	1367.1	1363.4	1359.6	1363.4	1367.1	1368.0	1368.3	1368.7	1368.9	1376.7	1392.3
172.5°	1368.7	1367.9	1367.0	1367.9	1368.7	1368.9	1368.9	1368.9	1368.9	1375.1	1387.4
175°	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1374.5	1370.8	1368.9	1372.8	1380.6
177.5°	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1375.1	1372.2	1370.8	1373.8	1380.0
180°	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2



TEST NUMBER: P935645

CATALOG NUMBER: SQ4-FA-125U-100D-92765-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2
2.5°	2405.9	2398.8	2408.3	2382.3	2408.3	2398.8	2405.9	2422.4	2408.3	2417.7	2427.1
5°	2111.0	2099.3	2061.5	2030.9	2061.5	2099.3	2111.0	2160.6	2184.2	2226.6	2283.2
7.5°	1887.0	1877.5	1868.1	1849.2	1868.1	1877.5	1887.0	1901.1	1924.8	1962.4	2004.9
10°	1837.5	1839.8	1854.0	1851.6	1854.0	1839.8	1837.5	1832.7	1825.7	1832.7	1858.7
12.5°	1964.8	1986.1	2063.9	2059.2	2063.9	1986.1	1964.8	1870.5	1806.8	1795.0	1799.7
15°	2111.0	2118.1	2134.6	2137.0	2134.6	2118.1	2111.0	2073.3	1882.3	1799.7	1773.7
17.5°	2125.2	2127.6	2139.3	2139.3	2139.3	2127.6	2125.2	2108.7	2045.0	1934.1	1787.9
20°	2113.5	2118.1	2141.8	2146.5	2141.8	2118.1	2113.5	2092.2	2056.8	2016.7	1905.8
22.5°	2108.7	2118.1	2137.0	2134.6	2137.0	2118.1	2108.7	2075.7	2045.0	2016.7	1971.9
25°	2085.1	2085.1	2087.5	2089.8	2087.5	2085.1	2085.1	2059.2	1997.9	1990.7	1964.8
27.5°	2035.6	2040.3	2054.5	2052.1	2054.5	2040.3	2035.6	2026.2	1960.1	1953.1	1934.1
30°	1990.7	1986.1	1974.2	1964.8	1974.2	1986.1	1990.7	1976.6	1910.6	1891.7	1896.4
32.5°	1915.3	1903.5	1891.7	1884.6	1891.7	1903.5	1915.3	1910.6	1861.0	1835.0	1839.8
35°	1825.7	1828.0	1825.7	1818.5	1825.7	1828.0	1825.7	1830.4	1799.7	1776.1	1773.7
37.5°	1761.9	1766.7	1764.4	1754.9	1764.4	1766.7	1761.9	1757.2	1714.8	1707.8	1712.4
40°	1695.9	1698.3	1695.9	1688.8	1695.9	1698.3	1695.9	1686.5	1627.5	1629.8	1646.3
42.5°	1632.2	1629.8	1622.8	1618.1	1622.8	1629.8	1632.2	1618.1	1542.6	1535.5	1566.2
45°	1559.1	1561.5	1547.4	1540.2	1547.4	1561.5	1559.1	1549.7	1471.8	1453.0	1474.2
47.5°	1486.0	1486.0	1474.2	1467.1	1474.2	1486.0	1486.0	1474.2	1391.7	1372.8	1384.5
50°	1408.2	1405.8	1389.3	1387.0	1389.3	1405.8	1408.2	1401.1	1313.8	1297.3	1297.3
52.5°	1318.5	1318.5	1320.9	1325.6	1320.9	1318.5	1318.5	1320.9	1243.1	1226.5	1221.8
55°	1240.7	1243.1	1259.6	1264.3	1259.6	1243.1	1240.7	1240.7	1170.0	1153.4	1144.0
57.5°	1160.5	1160.5	1172.3	1172.3	1172.3	1160.5	1160.5	1155.8	1087.4	1073.2	1068.5
60°	1068.5	1073.2	1082.7	1080.3	1082.7	1073.2	1068.5	1063.8	1004.8	995.4	978.8
62.5°	971.8	976.5	978.8	974.1	978.8	976.5	971.8	957.6	922.3	915.2	894.0
65°	870.4	875.1	877.4	872.7	877.4	875.1	870.4	863.3	837.4	825.6	806.7
67.5°	766.6	764.3	761.9	771.3	761.9	764.3	766.6	757.1	740.6	731.2	705.3
70°	660.4	660.4	658.0	662.8	658.0	660.4	660.4	653.4	643.9	636.9	613.2
72.5°	547.3	544.9	554.3	547.3	554.3	544.9	547.3	544.9	540.1	533.1	509.5
75°	436.4	441.0	436.4	443.5	436.4	441.0	436.4	438.7	436.4	431.7	415.2
77.5°	332.6	337.3	332.6	332.6	332.6	337.3	332.6	334.9	334.9	334.9	320.8
80°	235.8	233.5	233.5	231.2	233.5	233.5	235.8	235.8	238.2	233.5	228.8
82.5°	150.9	148.6	148.6	153.4	148.6	148.6	150.9	153.4	148.6	148.6	148.6
85°	82.6	84.9	80.2	80.2	80.2	84.9	82.6	77.8	82.6	82.6	80.2
87.5°	30.7	28.3	28.3	28.3	28.3	28.3	30.7	33.0	33.0	33.0	35.3
90°	35.1	35.1	35.1	35.1	35.1	35.1	35.1	46.8	62.4	70.2	60.4
92.5°	175.6	168.6	140.7	112.7	140.7	168.6	175.6	249.0	346.7	395.6	347.3
95°	596.2	575.0	490.4	405.8	490.4	575.0	596.2	782.9	1031.9	1156.3	976.6
97.5°	1376.3	1336.1	1175.0	1014.0	1175.0	1336.1	1376.3	1494.3	1651.7	1730.3	1430.7
100°	1932.8	1884.9	1692.9	1501.1	1692.9	1884.9	1932.8	1924.1	1912.6	1906.9	1574.3
102.5°	2407.8	2366.8	2202.5	2038.1	2202.5	2366.8	2407.8	2257.5	2057.0	1956.8	1619.6
105°	2962.4	2940.4	2852.0	2763.7	2852.0	2940.4	2962.4	2625.4	2175.9	1951.3	1624.7
107.5°	3250.8	3256.2	3277.5	3298.9	3277.5	3256.2	3250.8	2780.7	2153.8	1840.3	1552.4
110°	3324.7	3347.8	3439.8	3531.8	3439.8	3347.8	3324.7	2799.2	2098.4	1747.9	1488.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3277.6	3313.0	3454.3	3595.6	3454.3	3313.0	3277.6	2739.6	2022.4	1663.8	1432.3
115°	3117.7	3166.7	3362.7	3558.6	3362.7	3166.7	3117.7	2599.5	1908.5	1563.1	1368.1
117.5°	2896.8	2951.2	3168.4	3385.8	3168.4	2951.2	2896.8	2429.1	1805.5	1493.7	1328.0
120°	2748.0	2800.8	3012.0	3223.1	3012.0	2800.8	2748.0	2320.6	1750.9	1465.9	1314.4
122.5°	2599.2	2651.3	2859.6	3067.8	2859.6	2651.3	2599.2	2214.4	1701.2	1444.7	1307.2
125°	2402.3	2450.2	2642.2	2834.0	2642.2	2450.2	2402.3	2075.4	1639.6	1421.6	1301.4
127.5°	2244.2	2284.7	2446.6	2608.4	2446.6	2284.7	2244.2	1963.6	1589.3	1402.2	1298.0
130°	2144.4	2181.8	2331.3	2480.9	2331.3	2181.8	2144.4	1894.6	1561.4	1394.8	1300.1
132.5°	2059.4	2092.8	2226.8	2360.7	2226.8	2092.8	2059.4	1835.7	1537.4	1388.3	1301.4
135°	1939.2	1968.0	2083.6	2199.0	2083.6	1968.0	1939.2	1751.9	1502.1	1377.2	1300.2
137.5°	1850.5	1874.1	1968.6	2063.1	1968.6	1874.1	1850.5	1692.1	1480.9	1375.3	1308.2
140°	1779.3	1801.4	1889.8	1978.0	1889.8	1801.4	1779.3	1642.5	1460.1	1368.9	1309.6
142.5°	1729.4	1748.4	1824.3	1900.4	1824.3	1748.4	1729.4	1609.2	1449.0	1368.9	1314.3
145°	1654.6	1668.9	1726.4	1783.9	1726.4	1668.9	1654.6	1556.3	1425.2	1359.6	1314.3
147.5°	1591.7	1603.6	1651.3	1698.9	1651.3	1603.6	1591.7	1514.3	1411.2	1359.6	1323.3
150°	1555.7	1565.3	1603.9	1642.5	1603.9	1565.3	1555.7	1490.3	1403.2	1359.6	1328.0
152.5°	1527.0	1534.3	1563.4	1592.6	1563.4	1534.3	1527.0	1471.2	1396.9	1359.6	1331.1
155°	1492.8	1497.6	1516.9	1536.2	1516.9	1497.6	1492.8	1448.5	1389.3	1359.6	1337.9
157.5°	1463.2	1466.6	1480.1	1493.7	1480.1	1466.6	1463.2	1428.6	1382.7	1359.6	1344.6
160°	1448.4	1450.3	1458.1	1465.9	1458.1	1450.3	1448.4	1418.8	1379.4	1359.6	1347.8
162.5°	1434.5	1436.4	1443.8	1451.2	1443.8	1436.4	1434.5	1409.5	1376.2	1359.6	1351.0
165°	1413.3	1415.2	1423.0	1430.9	1423.0	1415.2	1413.3	1395.4	1371.6	1359.6	1355.7
167.5°	1404.0	1404.8	1408.1	1411.4	1408.1	1404.8	1404.0	1392.3	1376.7	1368.9	1365.6
170°	1404.0	1404.0	1404.0	1404.0	1404.0	1404.0	1404.0	1392.3	1376.7	1368.9	1368.7
172.5°	1396.7	1396.0	1393.0	1390.2	1393.0	1396.0	1396.7	1387.4	1375.1	1368.9	1368.9
175°	1386.5	1386.5	1386.5	1386.5	1386.5	1386.5	1386.5	1380.6	1372.8	1368.9	1370.8
177.5°	1384.6	1383.8	1380.5	1377.2	1380.5	1383.8	1384.6	1380.0	1373.8	1370.8	1372.2
180°	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2493.2	2493.2	2493.2	2493.2	2493.2
2.5°	2462.5	2474.3	2481.4	2490.9	2514.4
5°	2368.1	2412.9	2427.1	2462.5	2505.0
7.5°	2160.6	2297.4	2335.1	2420.1	2486.1
10°	1960.1	2096.9	2162.9	2363.5	2462.5
12.5°	1858.7	1938.9	1983.7	2264.4	2429.4
15°	1795.0	1851.6	1884.6	2132.3	2391.8
17.5°	1745.4	1785.6	1809.2	2002.6	2339.8
20°	1714.8	1733.6	1754.9	1908.2	2280.9
22.5°	1693.6	1681.8	1698.3	1842.2	2200.7
25°	1679.4	1634.6	1653.5	1790.2	2106.3
27.5°	1691.2	1592.2	1599.2	1743.1	2007.2
30°	1693.6	1540.2	1542.6	1693.6	1896.4
32.5°	1677.1	1486.0	1488.4	1632.2	1771.4
35°	1637.0	1422.3	1420.0	1561.5	1601.5
37.5°	1582.7	1353.9	1353.9	1483.6	1415.2
40°	1516.7	1285.5	1292.6	1382.2	1250.1
42.5°	1436.5	1212.4	1221.8	1247.8	1127.5
45°	1349.2	1141.7	1148.7	1054.4	1033.1
47.5°	1252.5	1068.5	1070.9	875.1	1002.5
50°	1136.9	993.0	983.6	750.1	1000.1
52.5°	1035.4	910.5	882.2	679.3	908.2
55°	936.4	823.2	761.9	625.1	842.1
57.5°	849.1	710.0	651.0	561.4	827.9
60°	768.9	599.1	554.3	493.0	759.5
62.5°	702.9	516.6	507.1	445.8	688.7
65°	632.2	460.0	457.6	405.7	584.9
67.5°	563.8	422.2	419.9	367.9	445.8
70°	490.6	382.1	377.4	327.9	330.2
72.5°	415.2	337.3	332.6	294.8	273.6
75°	339.6	285.4	283.0	257.1	221.7
77.5°	266.5	226.5	231.2	207.5	162.7
80°	191.0	165.1	169.9	148.6	122.6
82.5°	127.4	108.5	113.2	94.3	82.6
85°	70.8	61.3	63.6	49.5	37.8
87.5°	33.0	28.3	28.3	18.8	11.8
90°	40.7	25.9	24.0	16.7	9.3
92.5°	250.8	178.4	162.7	99.8	37.0
95°	617.2	347.6	318.8	203.8	88.7
97.5°	831.3	381.8	356.4	254.9	153.4
100°	909.2	410.4	387.4	295.4	203.3
102.5°	945.0	439.1	417.6	331.7	245.8
105°	971.4	481.6	463.4	390.7	318.0
107.5°	976.3	544.4	527.4	459.7	391.9
110°	969.0	579.6	564.3	503.1	441.8



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	969.3	622.1	607.5	549.1	490.9
115°	978.2	685.8	672.3	618.6	564.8
117.5°	996.4	747.7	735.5	686.7	637.8
120°	1011.2	783.8	772.3	726.3	680.3
122.5°	1032.4	826.3	814.7	768.3	721.9
125°	1061.1	880.8	870.3	828.0	785.7
127.5°	1089.8	933.6	922.9	880.2	837.5
130°	1110.7	968.7	957.2	911.2	865.1
132.5°	1127.6	997.3	985.8	939.8	893.8
135°	1146.1	1030.6	1020.2	978.2	936.4
137.5°	1173.9	1073.1	1062.8	1021.2	979.7
140°	1190.8	1101.8	1092.2	1054.0	1015.8
142.5°	1204.9	1123.0	1114.2	1078.9	1043.6
145°	1223.5	1155.4	1147.7	1116.8	1086.1
147.5°	1250.6	1196.1	1188.6	1158.6	1128.6
150°	1264.8	1217.4	1210.6	1183.4	1156.3
152.5°	1274.0	1231.2	1226.0	1205.5	1185.0
155°	1294.4	1261.7	1257.9	1242.7	1227.5
157.5°	1314.7	1292.2	1288.5	1273.7	1259.0
160°	1323.9	1306.1	1303.2	1291.7	1280.2
162.5°	1333.8	1320.8	1318.7	1310.0	1301.4
165°	1347.9	1342.1	1340.2	1332.4	1324.6
167.5°	1359.0	1354.1	1353.2	1349.5	1345.8
170°	1368.3	1368.0	1367.1	1363.4	1359.6
172.5°	1368.9	1368.9	1368.7	1367.9	1367.0
175°	1374.5	1377.2	1377.2	1377.2	1377.2
177.5°	1375.1	1377.2	1377.2	1377.2	1377.2
180°	1377.2	1377.2	1377.2	1377.2	1377.2



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	12.53	13.32	13.55	14.35	15.73	15.37	16.16	16.39	17.19	18.57
	3H	13.00	13.71	14.03	14.75	16.15	16.71	17.42	17.74	18.46	19.86
	4H	13.19	13.86	14.23	14.90	16.31	17.15	17.82	18.20	18.87	20.27
	6H	13.30	13.92	14.36	14.97	16.39	17.43	18.05	18.49	19.10	20.52
	8H	13.30	13.89	14.36	14.95	16.37	17.51	18.10	18.57	19.16	20.58
	12H	13.27	13.83	14.34	14.89	16.33	17.54	18.11	18.61	19.16	20.60
4H	2H	13.55	14.23	14.61	15.27	16.68	15.77	16.44	16.82	17.48	18.89
	3H	14.57	15.14	15.63	16.21	17.63	17.27	17.83	18.33	18.90	20.32
	4H	14.85	15.36	15.91	16.42	17.87	17.79	18.31	18.86	19.37	20.81
	6H	14.97	15.41	16.04	16.49	17.93	18.16	18.60	19.23	19.68	21.12
	8H	14.97	15.39	16.05	16.46	17.92	18.26	18.68	19.34	19.75	21.21
	12H	14.94	15.31	16.03	16.40	17.86	18.32	18.69	19.41	19.78	21.24
8H	4H	15.30	15.71	16.37	16.79	18.24	17.91	18.33	18.99	19.40	20.86
	6H	15.56	15.90	16.65	17.02	18.47	18.35	18.69	19.45	19.81	21.26
	8H	15.60	15.90	16.70	17.00	18.47	18.50	18.80	19.61	19.90	21.37
	12H	15.58	15.84	16.69	16.94	18.45	18.60	18.86	19.71	19.96	21.47
12H	4H	15.30	15.67	16.39	16.76	18.22	17.87	18.25	18.97	19.34	20.80
	6H	15.62	15.92	16.72	17.02	18.49	18.35	18.64	19.45	19.75	21.22
	8H	15.68	15.94	16.79	17.04	18.55	18.50	18.77	19.61	19.86	21.37