

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: P935795

Luminaire Tested: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935795
REPORT IS A COMBINATION OF REPORTS P933768 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-8-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

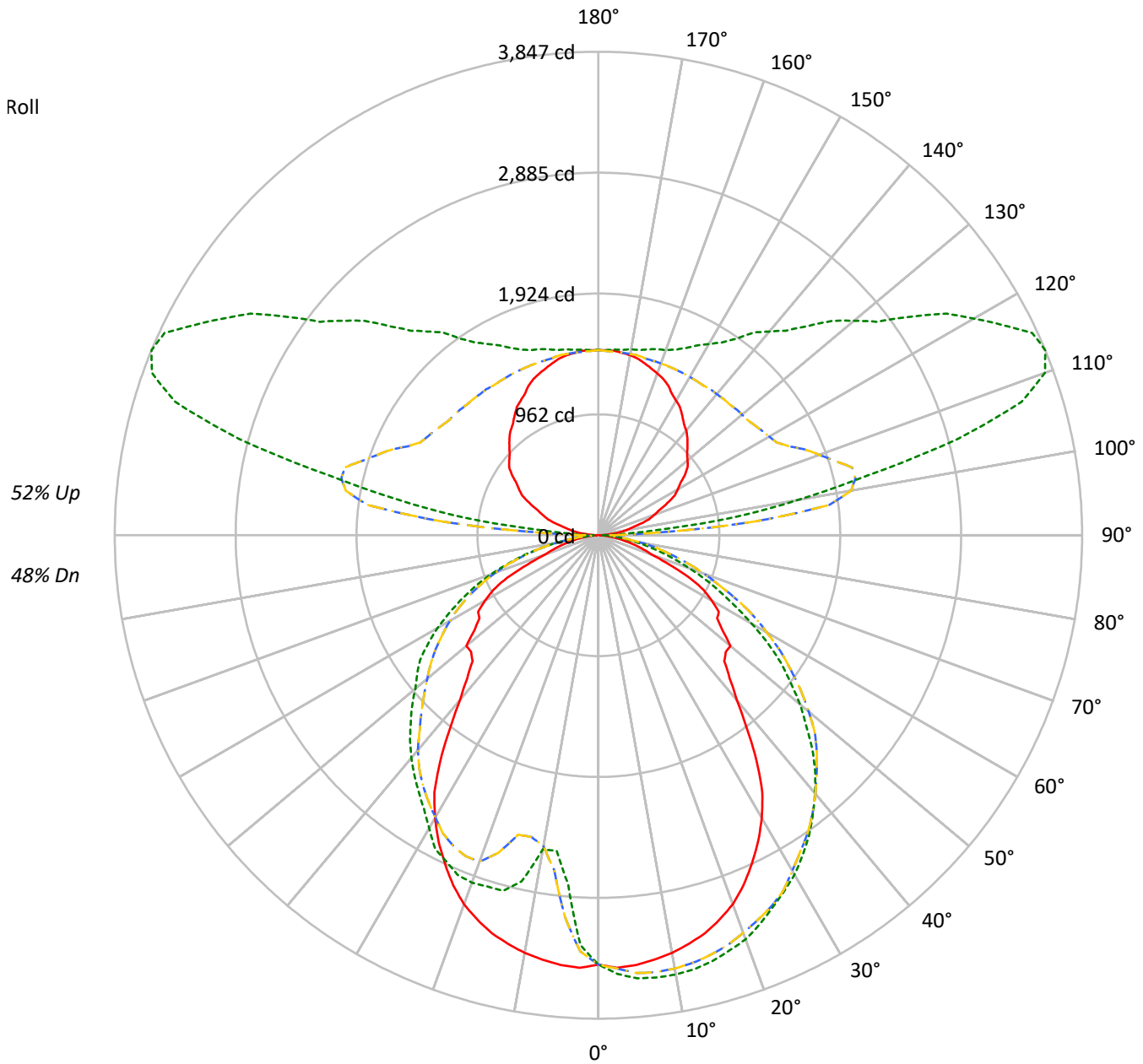
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18415.3 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 150.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



— 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°	15850	15850	15850	15850
5°	15968	16000	15968	12581
10°	15862	15760	15862	11268
15°	15689	15419	15689	12875
20°	15361	15014	15361	12902
25°	14690	14425	14690	12629
30°	13822	13934	13822	12028
35°	12322	13315	12322	11369
40°	10267	12586	10267	10870
45°	9174	11732	9174	10297
50°	9746	10714	9746	9722
55°	9169	9617	9169	9389
60°	9452	8168	9452	8599
65°	8569	6752	8569	7548
70°	5935	5380	5935	6326
75°	5203	3977	5203	4763
80°	4194	2630	4194	2864
85°	2408	1393	2408	1184

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14060 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.4	1.7
10°-20°	875.6	4.8
20°-30°	1353.5	7.3
30°-40°	1615.7	8.8
40°-50°	1625.2	8.8
50°-60°	1414.1	7.7
60°-70°	1002.6	5.4
70°-80°	530.5	2.9
80°-90°	137.7	0.7
90°-100°	718.3	3.9
100°-110°	1888.3	10.3
110°-120°	1958.0	10.6
120°-130°	1570.5	8.5
130°-140°	1232.3	6.7
140°-150°	945.9	5.1
150°-160°	681.2	3.7
160°-170°	416.8	2.3
170°-180°	140.8	0.8
0°-30°	2537.4	13.8
0°-40°	4153.1	22.6
0°-60°	7192.4	39.1
0°-90°	8863.3	48.1
90°-120°	4564.6	24.8
90°-150°	8313.3	45.1
90°-180°	9552.0	51.9
0°-180°	18415.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3416	3416	3416	3416	3416	
5°	3432	3539	3432	2783	3432	326
15°	3277	3507	3277	2928	3277	922
25°	2886	3271	2886	2864	2886	1325
35°	2194	2918	2194	2492	2194	1358
45°	1416	2405	1416	2110	1416	1134
55°	1154	1774	1154	1732	1154	1060
65°	802	1070	802	1196	802	766
75°	304	507	304	608	304	319
85°	52	129	52	110	52	70
90°	10	38	10	38	10	10
95°	95	434	95	434	95	105
105°	340	2957	340	2957	340	361
115°	604	3807	604	3807	604	597
125°	841	3032	841	3032	841	746
135°	1002	2353	1002	2353	1002	775
145°	1162	1909	1162	1909	1162	728
155°	1313	1644	1313	1644	1313	603
165°	1417	1531	1417	1531	1417	400
175°	1474	1483	1474	1483	1474	140
180°	1474	1474	1474	1474	1474	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2
2.5°	3445.3	3445.3	3464.6	3471.1	3471.1	3461.5	3451.8	3461.5	3490.5	3500.3	3497.0
5°	3432.4	3458.2	3493.8	3500.3	3506.7	3503.5	3497.0	3503.5	3535.8	3542.3	3545.5
7.5°	3406.5	3455.0	3500.3	3509.9	3519.7	3509.9	3506.7	3513.2	3545.5	3551.9	3551.9
10°	3374.2	3442.1	3493.8	3500.3	3509.9	3500.3	3500.3	3513.2	3545.5	3551.9	3555.2
12.5°	3328.9	3422.6	3471.1	3477.6	3490.5	3487.3	3484.1	3497.0	3529.3	3535.8	3535.8
15°	3277.3	3387.1	3432.4	3438.9	3461.5	3455.0	3455.0	3467.9	3503.5	3513.2	3509.9
17.5°	3206.1	3341.8	3393.6	3403.2	3419.5	3416.2	3419.5	3432.4	3464.6	3471.1	3474.4
20°	3125.3	3280.4	3341.8	3351.6	3367.7	3367.7	3367.7	3383.9	3416.2	3429.1	3429.1
22.5°	3015.4	3215.9	3280.4	3286.9	3306.3	3306.3	3312.8	3335.4	3364.5	3367.7	3367.7
25°	2886.2	3144.7	3199.6	3219.0	3238.4	3248.1	3257.9	3270.8	3280.4	3277.3	3280.4
27.5°	2750.4	3054.2	3125.3	3138.2	3164.1	3173.8	3186.7	3190.0	3193.2	3202.9	3196.4
30°	2598.6	2928.2	3034.8	3047.8	3089.8	3096.2	3083.3	3089.8	3105.9	3112.4	3118.8
32.5°	2427.2	2740.8	2941.1	2970.2	3009.0	2989.6	2986.4	2996.0	3021.9	3021.9	3028.4
35°	2194.5	2595.3	2853.8	2879.7	2908.7	2886.2	2899.1	2902.3	2918.5	2928.2	2925.0
37.5°	1939.2	2469.2	2763.4	2782.8	2805.4	2776.3	2795.7	2805.4	2818.3	2811.8	2811.8
40°	1713.0	2272.0	2656.7	2669.6	2689.0	2666.4	2685.7	2692.2	2698.7	2692.2	2689.0
42.5°	1544.9	2055.5	2543.5	2559.7	2546.8	2562.9	2569.4	2582.3	2572.7	2559.7	2559.7
45°	1415.6	1997.4	2420.7	2440.1	2420.7	2446.6	2456.4	2456.4	2427.2	2420.7	2417.5
47.5°	1373.6	1881.0	2297.9	2297.9	2288.3	2320.6	2336.7	2314.1	2285.0	2275.3	2275.3
50°	1370.3	1751.8	2129.8	2116.9	2162.2	2201.0	2184.8	2162.2	2139.6	2104.1	2104.1
52.5°	1244.3	1593.3	1913.3	1961.9	2032.9	2055.5	2029.7	2007.0	1968.3	1952.1	1939.2
55°	1153.8	1428.6	1716.2	1813.2	1887.5	1916.6	1868.1	1845.4	1787.3	1777.6	1771.1
57.5°	1134.4	1189.4	1535.2	1658.0	1748.5	1745.3	1716.2	1674.2	1625.7	1616.0	1612.8
60°	1040.7	859.7	1341.3	1486.7	1580.4	1570.8	1544.9	1506.1	1460.9	1454.4	1448.0
62.5°	943.7	623.8	1121.5	1286.3	1418.8	1415.6	1393.0	1334.8	1302.5	1286.3	1273.4
65°	801.5	523.6	798.3	1069.8	1260.5	1266.9	1218.5	1176.5	1140.8	1121.5	1118.3
67.5°	610.8	426.6	539.8	892.1	1108.6	1102.1	1040.7	1021.3	976.1	966.4	947.0
70°	452.5	284.4	374.9	724.0	959.9	943.7	895.2	872.7	830.7	808.0	795.0
72.5°	374.9	229.5	274.8	562.4	808.0	788.6	746.6	720.7	685.2	665.8	652.8
75°	303.8	242.4	210.1	417.0	656.1	643.2	604.4	578.5	549.4	523.6	526.8
77.5°	223.0	226.2	168.1	307.0	520.4	501.0	478.4	446.0	433.1	407.2	407.2
80°	168.1	177.7	126.1	210.1	374.9	374.9	355.5	332.9	310.3	297.4	297.4
82.5°	113.1	113.1	93.7	132.6	255.4	245.6	232.7	226.2	213.3	206.9	206.9
85°	51.7	64.7	58.2	80.8	139.0	145.4	145.4	139.0	135.7	129.3	132.6
87.5°	16.1	29.1	35.5	45.3	71.1	74.3	77.5	77.5	77.5	80.8	80.8
90°	9.9	17.9	25.7	27.7	43.5	64.7	75.2	66.8	50.0	37.5	37.5
92.5°	39.5	106.8	174.1	190.9	268.4	371.6	423.3	370.9	266.3	187.8	180.4
95°	94.9	218.0	341.1	371.9	660.3	1044.9	1237.1	1104.0	837.6	637.8	615.2
97.5°	164.2	272.7	381.3	408.5	889.4	1530.7	1851.3	1767.1	1598.8	1472.5	1429.4
100°	217.5	316.0	414.5	439.1	972.8	1684.3	2040.2	2046.3	2058.6	2067.9	2016.6
102.5°	263.0	354.9	446.7	469.8	1011.1	1732.8	2093.6	2200.8	2415.3	2576.1	2532.2
105°	340.2	418.0	495.7	515.2	1039.3	1738.2	2087.6	2328.0	2808.8	3169.5	3145.9
107.5°	419.3	491.8	564.3	582.5	1044.6	1660.8	1968.9	2304.3	2975.0	3478.0	3483.7
110°	472.7	538.2	603.8	620.1	1036.7	1592.3	1870.1	2245.0	2994.8	3557.1	3581.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	525.2	587.5	650.0	665.5	1037.0	1532.4	1780.0	2163.7	2931.1	3506.7	3544.5
115°	604.2	661.8	719.3	733.7	1046.6	1463.7	1672.3	2041.9	2781.2	3335.6	3388.1
117.5°	682.3	734.7	786.9	800.0	1066.1	1420.8	1598.1	1931.7	2598.8	3099.3	3157.4
120°	727.8	777.1	826.3	838.6	1081.8	1406.2	1568.4	1873.2	2482.8	2940.1	2996.5
122.5°	772.3	822.0	871.6	884.0	1104.6	1398.6	1545.7	1820.1	2369.2	2780.9	2836.5
125°	840.6	885.9	931.1	942.4	1135.2	1392.4	1520.9	1754.1	2220.5	2570.2	2621.5
127.5°	896.0	941.7	987.4	998.8	1166.0	1388.8	1500.2	1700.4	2100.8	2401.1	2444.3
130°	925.6	974.9	1024.0	1036.4	1188.3	1391.0	1492.3	1670.5	2027.0	2294.3	2334.3
132.5°	956.2	1005.5	1054.7	1067.0	1206.5	1392.4	1485.3	1644.9	1964.0	2203.3	2239.1
135°	1001.8	1046.6	1091.5	1102.6	1226.2	1391.1	1473.5	1607.1	1874.3	2074.7	2105.6
137.5°	1048.2	1092.6	1137.0	1148.1	1255.9	1399.6	1471.5	1584.4	1810.4	1979.8	2005.1
140°	1086.8	1127.7	1168.5	1178.8	1274.1	1401.1	1464.6	1562.2	1757.3	1903.7	1927.3
142.5°	1116.5	1154.3	1192.0	1201.5	1289.2	1406.1	1464.6	1550.3	1721.7	1850.2	1870.6
145°	1161.9	1194.9	1227.9	1236.2	1309.0	1406.1	1454.7	1524.8	1665.0	1770.2	1785.6
147.5°	1207.5	1239.6	1271.7	1279.7	1338.1	1415.8	1454.7	1509.9	1620.2	1703.0	1715.7
150°	1237.1	1266.1	1295.2	1302.4	1353.1	1420.8	1454.7	1501.3	1594.5	1664.4	1674.7
152.5°	1267.8	1289.7	1311.7	1317.2	1363.1	1424.1	1454.7	1494.5	1574.0	1633.7	1641.5
155°	1313.3	1329.6	1345.8	1349.9	1384.8	1431.4	1454.7	1486.4	1549.7	1597.1	1602.3
157.5°	1346.9	1362.7	1378.5	1382.5	1406.5	1438.6	1454.7	1479.3	1528.5	1565.4	1569.1
160°	1369.7	1382.0	1394.3	1397.4	1416.5	1442.0	1454.7	1475.8	1518.0	1549.6	1551.7
162.5°	1392.4	1401.6	1410.8	1413.1	1427.0	1445.4	1454.7	1472.4	1508.0	1534.8	1536.8
165°	1417.1	1425.5	1433.8	1435.9	1442.1	1450.5	1454.7	1467.5	1493.0	1512.1	1514.2
167.5°	1439.9	1443.8	1447.8	1448.7	1454.0	1461.1	1464.6	1472.9	1489.6	1502.1	1503.0
170°	1454.7	1458.7	1462.7	1463.6	1463.9	1464.4	1464.6	1472.9	1489.6	1502.1	1502.1
172.5°	1462.6	1463.4	1464.4	1464.6	1464.6	1464.6	1464.6	1471.2	1484.4	1494.3	1493.5
175°	1473.5	1473.5	1473.5	1473.5	1470.5	1466.6	1464.6	1468.8	1477.1	1483.4	1483.4
177.5°	1473.5	1473.5	1473.5	1473.5	1471.2	1468.1	1466.6	1469.8	1476.4	1481.4	1480.5
180°	1473.5	1473.5	1473.5	1473.5	1473.5	1473.5	1473.5	1473.5	1473.5	1473.5	1473.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2
2.5°	3503.5	3493.8	3503.5	3497.0	3500.3	3490.5	3461.5	3451.8	3461.5	3471.1	3471.1
5°	3545.5	3539.0	3545.5	3545.5	3542.3	3535.8	3503.5	3497.0	3503.5	3506.7	3500.3
7.5°	3558.4	3548.7	3558.4	3551.9	3551.9	3545.5	3513.2	3506.7	3509.9	3519.7	3509.9
10°	3558.4	3548.7	3558.4	3555.2	3551.9	3545.5	3513.2	3500.3	3500.3	3509.9	3500.3
12.5°	3542.3	3535.8	3542.3	3535.8	3535.8	3529.3	3497.0	3484.1	3487.3	3490.5	3477.6
15°	3516.4	3506.7	3516.4	3509.9	3513.2	3503.5	3467.9	3455.0	3455.0	3461.5	3438.9
17.5°	3477.6	3464.6	3477.6	3474.4	3471.1	3464.6	3432.4	3419.5	3416.2	3419.5	3403.2
20°	3432.4	3422.6	3432.4	3429.1	3429.1	3416.2	3383.9	3367.7	3367.7	3367.7	3351.6
22.5°	3361.2	3351.6	3361.2	3367.7	3367.7	3364.5	3335.4	3312.8	3306.3	3306.3	3286.9
25°	3280.4	3270.8	3280.4	3280.4	3277.3	3280.4	3270.8	3257.9	3248.1	3238.4	3219.0
27.5°	3202.9	3196.4	3202.9	3196.4	3202.9	3193.2	3190.0	3186.7	3173.8	3164.1	3138.2
30°	3125.3	3118.8	3125.3	3118.8	3112.4	3105.9	3089.8	3083.3	3096.2	3089.8	3047.8
32.5°	3028.4	3021.9	3028.4	3028.4	3021.9	3021.9	2996.0	2986.4	2989.6	3009.0	2970.2
35°	2928.2	2918.5	2928.2	2925.0	2928.2	2918.5	2902.3	2899.1	2886.2	2908.7	2879.7
37.5°	2811.8	2802.2	2811.8	2811.8	2811.8	2818.3	2805.4	2795.7	2776.3	2805.4	2782.8
40°	2692.2	2679.3	2692.2	2689.0	2692.2	2698.7	2692.2	2685.7	2666.4	2689.0	2669.6
42.5°	2556.5	2553.3	2556.5	2559.7	2559.7	2572.7	2582.3	2569.4	2562.9	2546.8	2559.7
45°	2411.1	2404.6	2411.1	2417.5	2420.7	2427.2	2456.4	2456.4	2446.6	2420.7	2440.1
47.5°	2255.9	2239.8	2255.9	2275.3	2275.3	2285.0	2314.1	2336.7	2320.6	2288.3	2297.9
50°	2091.1	2094.3	2091.1	2104.1	2104.1	2139.6	2162.2	2184.8	2201.0	2162.2	2116.9
52.5°	1929.5	1926.2	1929.5	1939.2	1952.1	1968.3	2007.0	2029.7	2055.5	2032.9	1961.9
55°	1767.9	1774.4	1767.9	1771.1	1777.6	1787.3	1845.4	1868.1	1916.6	1887.5	1813.2
57.5°	1606.3	1596.6	1606.3	1612.8	1616.0	1625.7	1674.2	1716.2	1745.3	1748.5	1658.0
60°	1418.8	1406.0	1418.8	1448.0	1454.4	1460.9	1506.1	1544.9	1570.8	1580.4	1486.7
62.5°	1254.0	1231.4	1254.0	1273.4	1286.3	1302.5	1334.8	1393.0	1415.6	1418.8	1286.3
65°	1079.4	1069.8	1079.4	1118.3	1121.5	1140.8	1176.5	1218.5	1266.9	1260.5	1069.8
67.5°	921.1	921.1	921.1	947.0	966.4	976.1	1021.3	1040.7	1102.1	1108.6	892.1
70°	775.7	772.4	775.7	795.0	808.0	830.7	872.7	895.2	943.7	959.9	724.0
72.5°	636.7	633.5	636.7	652.8	665.8	685.2	720.7	746.6	788.6	808.0	562.4
75°	513.9	507.4	513.9	526.8	523.6	549.4	578.5	604.4	643.2	656.1	417.0
77.5°	394.3	394.3	394.3	407.2	407.2	433.1	446.0	478.4	501.0	520.4	307.0
80°	294.1	290.9	294.1	297.4	297.4	310.3	332.9	355.5	374.9	374.9	210.1
82.5°	206.9	200.4	206.9	206.9	206.9	213.3	226.2	232.7	245.6	255.4	132.6
85°	129.3	129.3	129.3	132.6	129.3	135.7	139.0	145.4	145.4	139.0	80.8
87.5°	84.0	80.8	84.0	80.8	80.8	77.5	77.5	77.5	74.3	71.1	45.3
90°	37.5	37.5	37.5	37.5	37.5	50.0	66.8	75.2	64.7	43.5	27.7
92.5°	150.5	120.6	150.5	180.4	187.8	266.3	370.9	423.3	371.6	268.4	190.9
95°	524.7	434.1	524.7	615.2	637.8	837.6	1104.0	1237.1	1044.9	660.3	371.9
97.5°	1257.2	1084.9	1257.2	1429.4	1472.5	1598.8	1767.1	1851.3	1530.7	889.4	408.5
100°	1811.3	1606.0	1811.3	2016.6	2067.9	2058.6	2046.3	2040.2	1684.3	972.8	439.1
102.5°	2356.4	2180.6	2356.4	2532.2	2576.1	2415.3	2200.8	2093.6	1732.8	1011.1	469.8
105°	3051.3	2956.9	3051.3	3145.9	3169.5	2808.8	2328.0	2087.6	1738.2	1039.3	515.2
107.5°	3506.6	3529.4	3506.6	3483.7	3478.0	2975.0	2304.3	1968.9	1660.8	1044.6	582.5
110°	3680.2	3778.6	3680.2	3581.7	3557.1	2994.8	2245.0	1870.1	1592.3	1036.7	620.1



TEST NUMBER: P935795

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3695.7	3846.8	3695.7	3544.5	3506.7	2931.1	2163.7	1780.0	1532.4	1037.0	665.5
115°	3597.7	3807.3	3597.7	3388.1	3335.6	2781.2	2041.9	1672.3	1463.7	1046.6	733.7
117.5°	3389.9	3622.4	3389.9	3157.4	3099.3	2598.8	1931.7	1598.1	1420.8	1066.1	800.0
120°	3222.5	3448.3	3222.5	2996.5	2940.1	2482.8	1873.2	1568.4	1406.2	1081.8	838.6
122.5°	3059.4	3282.2	3059.4	2836.5	2780.9	2369.2	1820.1	1545.7	1398.6	1104.6	884.0
125°	2826.8	3032.0	2826.8	2621.5	2570.2	2220.5	1754.1	1520.9	1392.4	1135.2	942.4
127.5°	2617.6	2790.7	2617.6	2444.3	2401.1	2100.8	1700.4	1500.2	1388.8	1166.0	998.8
130°	2494.3	2654.2	2494.3	2334.3	2294.3	2027.0	1670.5	1492.3	1391.0	1188.3	1036.4
132.5°	2382.4	2525.7	2382.4	2239.1	2203.3	1964.0	1644.9	1485.3	1392.4	1206.5	1067.0
135°	2229.2	2352.6	2229.2	2105.6	2074.7	1874.3	1607.1	1473.5	1391.1	1226.2	1102.6
137.5°	2106.2	2207.3	2106.2	2005.1	1979.8	1810.4	1584.4	1471.5	1399.6	1255.9	1148.1
140°	2021.8	2116.3	2021.8	1927.3	1903.7	1757.3	1562.2	1464.6	1401.1	1274.1	1178.8
142.5°	1951.8	2033.2	1951.8	1870.6	1850.2	1721.7	1550.3	1464.6	1406.1	1289.2	1201.5
145°	1847.1	1908.6	1847.1	1785.6	1770.2	1665.0	1524.8	1454.7	1406.1	1309.0	1236.2
147.5°	1766.7	1817.7	1766.7	1715.7	1703.0	1620.2	1509.9	1454.7	1415.8	1338.1	1279.7
150°	1716.0	1757.3	1716.0	1674.7	1664.4	1594.5	1501.3	1454.7	1420.8	1353.1	1302.4
152.5°	1672.7	1703.9	1672.7	1641.5	1633.7	1574.0	1494.5	1454.7	1424.1	1363.1	1317.2
155°	1622.9	1643.6	1622.9	1602.3	1597.1	1549.7	1486.4	1454.7	1431.4	1384.8	1349.9
157.5°	1583.6	1598.1	1583.6	1569.1	1565.4	1528.5	1479.3	1454.7	1438.6	1406.5	1382.5
160°	1560.0	1568.4	1560.0	1551.7	1549.6	1518.0	1475.8	1454.7	1442.0	1416.5	1397.4
162.5°	1544.7	1552.6	1544.7	1536.8	1534.8	1508.0	1472.4	1454.7	1445.4	1427.0	1413.1
165°	1522.5	1530.9	1522.5	1514.2	1512.1	1493.0	1467.5	1454.7	1450.5	1442.1	1435.9
167.5°	1506.5	1510.0	1506.5	1503.0	1502.1	1489.6	1472.9	1464.6	1461.1	1454.0	1448.7
170°	1502.1	1502.1	1502.1	1502.1	1502.1	1489.6	1472.9	1464.6	1464.4	1463.9	1463.6
172.5°	1490.4	1487.3	1490.4	1493.5	1494.3	1484.4	1471.2	1464.6	1464.6	1464.6	1464.6
175°	1483.4	1483.4	1483.4	1483.4	1483.4	1477.1	1468.8	1464.6	1466.6	1470.5	1473.5
177.5°	1477.0	1473.5	1477.0	1480.5	1481.4	1476.4	1469.8	1466.6	1468.1	1471.2	1473.5
180°	1473.5	1473.5	1473.5	1473.5	1473.5	1473.5	1473.5	1473.5	1473.5	1473.5	1473.5



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2
2.5°	3464.6	3445.3	3445.3	3413.0	3400.1	3390.3	3374.2	3325.7	3312.8	3299.8	3319.3
5°	3493.8	3458.2	3432.4	3374.2	3325.7	3306.3	3244.9	3128.6	3051.0	2992.8	2960.5
7.5°	3500.3	3455.0	3406.5	3316.0	3199.6	3148.0	2960.5	2747.2	2689.0	2637.3	2605.0
10°	3493.8	3442.1	3374.2	3238.4	2963.7	2873.2	2685.7	2546.8	2511.3	2501.5	2511.3
12.5°	3471.1	3422.6	3328.9	3102.7	2718.1	2656.7	2546.8	2466.0	2459.5	2475.7	2562.9
15°	3432.4	3387.1	3277.3	2921.7	2582.3	2537.1	2459.5	2430.5	2466.0	2579.2	2840.9
17.5°	3393.6	3341.8	3206.1	2744.0	2478.9	2446.6	2391.7	2449.9	2650.2	2802.2	2889.4
20°	3341.8	3280.4	3125.3	2614.7	2404.6	2375.5	2349.7	2611.4	2763.4	2818.3	2866.8
22.5°	3280.4	3215.9	3015.4	2524.2	2327.0	2304.4	2320.6	2702.0	2763.4	2802.2	2844.2
25°	3199.6	3144.7	2886.2	2453.1	2265.6	2239.8	2301.2	2692.2	2727.8	2737.5	2821.5
27.5°	3125.3	3054.2	2750.4	2388.5	2191.2	2181.6	2317.3	2650.2	2676.1	2685.7	2776.3
30°	3034.8	2928.2	2598.6	2320.6	2113.7	2110.5	2320.6	2598.6	2592.1	2617.9	2708.4
32.5°	2941.1	2740.8	2427.2	2236.5	2039.4	2036.2	2297.9	2520.9	2514.5	2550.0	2617.9
35°	2853.8	2595.3	2194.5	2139.6	1945.6	1948.9	2243.0	2430.5	2433.7	2466.0	2508.0
37.5°	2763.4	2469.2	1939.2	2032.9	1855.2	1855.2	2168.6	2346.4	2339.9	2349.7	2407.8
40°	2656.7	2272.0	1713.0	1894.0	1771.1	1761.4	2078.2	2255.9	2233.3	2230.1	2310.9
42.5°	2543.5	2055.5	1544.9	1709.7	1674.2	1661.2	1968.3	2146.1	2104.1	2113.7	2217.1
45°	2420.7	1997.4	1415.6	1444.7	1573.9	1564.3	1848.7	2020.0	1990.9	2016.8	2123.4
47.5°	2297.9	1881.0	1373.6	1199.1	1467.4	1464.1	1716.2	1897.2	1881.0	1906.8	2020.0
50°	2129.8	1751.8	1370.3	1027.8	1347.7	1360.7	1557.8	1777.6	1777.6	1800.2	1919.8
52.5°	1913.3	1593.3	1244.3	930.8	1208.7	1247.5	1418.8	1674.2	1680.6	1703.2	1809.9
55°	1716.2	1428.6	1153.8	856.4	1043.9	1128.0	1283.1	1567.5	1580.4	1603.1	1700.0
57.5°	1535.2	1189.4	1134.4	769.3	892.1	972.9	1163.5	1464.1	1470.5	1490.0	1583.7
60°	1341.3	859.7	1040.7	675.5	759.5	820.9	1053.7	1341.3	1363.9	1376.8	1457.6
62.5°	1121.5	623.8	943.7	610.8	694.9	707.8	963.1	1224.9	1254.0	1263.8	1312.2
65°	798.3	523.6	801.5	555.9	627.0	630.2	866.2	1105.3	1131.2	1147.3	1182.9
67.5°	539.8	426.6	610.8	504.1	575.3	578.5	772.4	966.4	1001.9	1014.9	1037.5
70°	374.9	284.4	452.5	449.2	517.1	523.6	672.2	840.3	872.7	882.3	895.2
72.5°	274.8	229.5	374.9	404.0	455.7	462.2	568.8	698.1	730.4	740.1	746.6
75°	210.1	242.4	303.8	352.3	387.8	391.1	465.4	568.8	591.4	597.9	601.2
77.5°	168.1	226.2	223.0	284.4	316.8	310.3	365.2	439.6	459.0	459.0	459.0
80°	126.1	177.7	168.1	203.6	232.7	226.2	261.8	313.5	319.9	326.4	323.2
82.5°	93.7	113.1	113.1	129.3	155.1	148.7	174.6	203.6	203.6	203.6	210.1
85°	58.2	64.7	51.7	67.9	87.3	84.0	96.9	109.9	113.1	113.1	106.7
87.5°	35.5	29.1	16.1	25.9	38.8	38.8	45.3	48.5	45.3	45.3	45.3
90°	25.7	17.9	9.9	17.9	25.7	27.7	43.5	64.7	75.2	66.8	50.0
92.5°	174.1	106.8	39.5	106.8	174.1	190.9	268.4	371.6	423.3	370.9	266.3
95°	341.1	218.0	94.9	218.0	341.1	371.9	660.3	1044.9	1237.1	1104.0	837.6
97.5°	381.3	272.7	164.2	272.7	381.3	408.5	889.4	1530.7	1851.3	1767.1	1598.8
100°	414.5	316.0	217.5	316.0	414.5	439.1	972.8	1684.3	2040.2	2046.3	2058.6
102.5°	446.7	354.9	263.0	354.9	446.7	469.8	1011.1	1732.8	2093.6	2200.8	2415.3
105°	495.7	418.0	340.2	418.0	495.7	515.2	1039.3	1738.2	2087.6	2328.0	2808.8
107.5°	564.3	491.8	419.3	491.8	564.3	582.5	1044.6	1660.8	1968.9	2304.3	2975.0
110°	603.8	538.2	472.7	538.2	603.8	620.1	1036.7	1592.3	1870.1	2245.0	2994.8



TEST NUMBER: P935795

CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	650.0	587.5	525.2	587.5	650.0	665.5	1037.0	1532.4	1780.0	2163.7	2931.1
115°	719.3	661.8	604.2	661.8	719.3	733.7	1046.6	1463.7	1672.3	2041.9	2781.2
117.5°	786.9	734.7	682.3	734.7	786.9	800.0	1066.1	1420.8	1598.1	1931.7	2598.8
120°	826.3	777.1	727.8	777.1	826.3	838.6	1081.8	1406.2	1568.4	1873.2	2482.8
122.5°	871.6	822.0	772.3	822.0	871.6	884.0	1104.6	1398.6	1545.7	1820.1	2369.2
125°	931.1	885.9	840.6	885.9	931.1	942.4	1135.2	1392.4	1520.9	1754.1	2220.5
127.5°	987.4	941.7	896.0	941.7	987.4	998.8	1166.0	1388.8	1500.2	1700.4	2100.8
130°	1024.0	974.9	925.6	974.9	1024.0	1036.4	1188.3	1391.0	1492.3	1670.5	2027.0
132.5°	1054.7	1005.5	956.2	1005.5	1054.7	1067.0	1206.5	1392.4	1485.3	1644.9	1964.0
135°	1091.5	1046.6	1001.8	1046.6	1091.5	1102.6	1226.2	1391.1	1473.5	1607.1	1874.3
137.5°	1137.0	1092.6	1048.2	1092.6	1137.0	1148.1	1255.9	1399.6	1471.5	1584.4	1810.4
140°	1168.5	1127.7	1086.8	1127.7	1168.5	1178.8	1274.1	1401.1	1464.6	1562.2	1757.3
142.5°	1192.0	1154.3	1116.5	1154.3	1192.0	1201.5	1289.2	1406.1	1464.6	1550.3	1721.7
145°	1227.9	1194.9	1161.9	1194.9	1227.9	1236.2	1309.0	1406.1	1454.7	1524.8	1665.0
147.5°	1271.7	1239.6	1207.5	1239.6	1271.7	1279.7	1338.1	1415.8	1454.7	1509.9	1620.2
150°	1295.2	1266.1	1237.1	1266.1	1295.2	1302.4	1353.1	1420.8	1454.7	1501.3	1594.5
152.5°	1311.7	1289.7	1267.8	1289.7	1311.7	1317.2	1363.1	1424.1	1454.7	1494.5	1574.0
155°	1345.8	1329.6	1313.3	1329.6	1345.8	1349.9	1384.8	1431.4	1454.7	1486.4	1549.7
157.5°	1378.5	1362.7	1346.9	1362.7	1378.5	1382.5	1406.5	1438.6	1454.7	1479.3	1528.5
160°	1394.3	1382.0	1369.7	1382.0	1394.3	1397.4	1416.5	1442.0	1454.7	1475.8	1518.0
162.5°	1410.8	1401.6	1392.4	1401.6	1410.8	1413.1	1427.0	1445.4	1454.7	1472.4	1508.0
165°	1433.8	1425.5	1417.1	1425.5	1433.8	1435.9	1442.1	1450.5	1454.7	1467.5	1493.0
167.5°	1447.8	1443.8	1439.9	1443.8	1447.8	1448.7	1454.0	1461.1	1464.6	1472.9	1489.6
170°	1462.7	1458.7	1454.7	1458.7	1462.7	1463.6	1463.9	1464.4	1464.6	1472.9	1489.6
172.5°	1464.4	1463.4	1462.6	1463.4	1464.4	1464.6	1464.6	1464.6	1464.6	1471.2	1484.4
175°	1473.5	1473.5	1473.5	1473.5	1473.5	1473.5	1470.5	1466.6	1464.6	1468.8	1477.1
177.5°	1473.5	1473.5	1473.5	1473.5	1473.5	1473.5	1471.2	1468.1	1466.6	1469.8	1476.4
180°	1473.5	1473.5	1473.5	1473.5	1473.5	1473.5	1473.5	1473.5	1473.5	1473.5	1473.5



TEST NUMBER: P935795
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2	3416.2
2.5°	3296.7	3286.9	3299.8	3264.3	3299.8	3286.9	3296.7	3319.3	3299.8	3312.8	3325.7
5°	2892.6	2876.5	2824.8	2782.8	2824.8	2876.5	2892.6	2960.5	2992.8	3051.0	3128.6
7.5°	2585.6	2572.7	2559.7	2533.9	2559.7	2572.7	2585.6	2605.0	2637.3	2689.0	2747.2
10°	2517.8	2520.9	2540.3	2537.1	2540.3	2520.9	2517.8	2511.3	2501.5	2511.3	2546.8
12.5°	2692.2	2721.4	2827.9	2821.5	2827.9	2721.4	2692.2	2562.9	2475.7	2459.5	2466.0
15°	2892.6	2902.3	2925.0	2928.2	2925.0	2902.3	2892.6	2840.9	2579.2	2466.0	2430.5
17.5°	2912.0	2915.2	2931.4	2931.4	2931.4	2915.2	2912.0	2889.4	2802.2	2650.2	2449.9
20°	2895.8	2902.3	2934.6	2941.1	2934.6	2902.3	2895.8	2866.8	2818.3	2763.4	2611.4
22.5°	2889.4	2902.3	2928.2	2925.0	2928.2	2902.3	2889.4	2844.2	2802.2	2763.4	2702.0
25°	2857.1	2857.1	2860.3	2863.6	2860.3	2857.1	2857.1	2821.5	2737.5	2727.8	2692.2
27.5°	2789.2	2795.7	2815.1	2811.8	2815.1	2795.7	2789.2	2776.3	2685.7	2676.1	2650.2
30°	2727.8	2721.4	2705.1	2692.2	2705.1	2721.4	2727.8	2708.4	2617.9	2592.1	2598.6
32.5°	2624.3	2608.2	2592.1	2582.3	2592.1	2608.2	2624.3	2617.9	2550.0	2514.5	2520.9
35°	2501.5	2504.8	2501.5	2491.9	2501.5	2504.8	2501.5	2508.0	2466.0	2433.7	2430.5
37.5°	2414.3	2420.7	2417.5	2404.6	2417.5	2420.7	2414.3	2407.8	2349.7	2339.9	2346.4
40°	2323.8	2327.0	2323.8	2314.1	2323.8	2327.0	2323.8	2310.9	2230.1	2233.3	2255.9
42.5°	2236.5	2233.3	2223.6	2217.1	2223.6	2233.3	2236.5	2217.1	2113.7	2104.1	2146.1
45°	2136.3	2139.6	2120.2	2110.5	2120.2	2139.6	2136.3	2123.4	2016.8	1990.9	2020.0
47.5°	2036.2	2036.2	2020.0	2010.3	2020.0	2036.2	2036.2	2020.0	1906.8	1881.0	1897.2
50°	1929.5	1926.2	1903.6	1900.4	1903.6	1926.2	1929.5	1919.8	1800.2	1777.6	1777.6
52.5°	1806.7	1806.7	1809.9	1816.4	1809.9	1806.7	1806.7	1809.9	1703.2	1680.6	1674.2
55°	1700.0	1703.2	1725.9	1732.4	1725.9	1703.2	1700.0	1700.0	1603.1	1580.4	1567.5
57.5°	1590.2	1590.2	1606.3	1606.3	1606.3	1590.2	1590.2	1583.7	1490.0	1470.5	1464.1
60°	1464.1	1470.5	1483.5	1480.2	1483.5	1470.5	1464.1	1457.6	1376.8	1363.9	1341.3
62.5°	1331.6	1338.1	1341.3	1334.8	1341.3	1338.1	1331.6	1312.2	1263.8	1254.0	1224.9
65°	1192.6	1199.1	1202.3	1195.9	1202.3	1199.1	1192.6	1182.9	1147.3	1131.2	1105.3
67.5°	1050.4	1047.2	1043.9	1056.9	1043.9	1047.2	1050.4	1037.5	1014.9	1001.9	966.4
70°	905.0	905.0	901.7	908.2	901.7	905.0	905.0	895.2	882.3	872.7	840.3
72.5°	749.9	746.6	759.5	749.9	759.5	746.6	749.9	746.6	740.1	730.4	698.1
75°	597.9	604.4	597.9	607.6	597.9	604.4	597.9	601.2	597.9	591.4	568.8
77.5°	455.7	462.2	455.7	455.7	455.7	462.2	455.7	459.0	459.0	459.0	439.6
80°	323.2	319.9	319.9	316.8	319.9	319.9	323.2	323.2	326.4	319.9	313.5
82.5°	206.9	203.6	203.6	210.1	203.6	203.6	206.9	210.1	203.6	203.6	203.6
85°	113.1	116.3	109.9	109.9	109.9	116.3	113.1	106.7	113.1	113.1	109.9
87.5°	42.0	38.8	38.8	38.8	38.8	38.8	42.0	45.3	45.3	45.3	48.5
90°	37.5	37.5	37.5	37.5	37.5	37.5	37.5	50.0	66.8	75.2	64.7
92.5°	187.8	180.4	150.5	120.6	150.5	180.4	187.8	266.3	370.9	423.3	371.6
95°	637.8	615.2	524.7	434.1	524.7	615.2	637.8	837.6	1104.0	1237.1	1044.9
97.5°	1472.5	1429.4	1257.2	1084.9	1257.2	1429.4	1472.5	1598.8	1767.1	1851.3	1530.7
100°	2067.9	2016.6	1811.3	1606.0	1811.3	2016.6	2067.9	2058.6	2046.3	2040.2	1684.3
102.5°	2576.1	2532.2	2356.4	2180.6	2356.4	2532.2	2576.1	2415.3	2200.8	2093.6	1732.8
105°	3169.5	3145.9	3051.3	2956.9	3051.3	3145.9	3169.5	2808.8	2328.0	2087.6	1738.2
107.5°	3478.0	3483.7	3506.6	3529.4	3506.6	3483.7	3478.0	2975.0	2304.3	1968.9	1660.8
110°	3557.1	3581.7	3680.2	3778.6	3680.2	3581.7	3557.1	2994.8	2245.0	1870.1	1592.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3506.7	3544.5	3695.7	3846.8	3695.7	3544.5	3506.7	2931.1	2163.7	1780.0	1532.4
115°	3335.6	3388.1	3597.7	3807.3	3597.7	3388.1	3335.6	2781.2	2041.9	1672.3	1463.7
117.5°	3099.3	3157.4	3389.9	3622.4	3389.9	3157.4	3099.3	2598.8	1931.7	1598.1	1420.8
120°	2940.1	2996.5	3222.5	3448.3	3222.5	2996.5	2940.1	2482.8	1873.2	1568.4	1406.2
122.5°	2780.9	2836.5	3059.4	3282.2	3059.4	2836.5	2780.9	2369.2	1820.1	1545.7	1398.6
125°	2570.2	2621.5	2826.8	3032.0	2826.8	2621.5	2570.2	2220.5	1754.1	1520.9	1392.4
127.5°	2401.1	2444.3	2617.6	2790.7	2617.6	2444.3	2401.1	2100.8	1700.4	1500.2	1388.8
130°	2294.3	2334.3	2494.3	2654.2	2494.3	2334.3	2294.3	2027.0	1670.5	1492.3	1391.0
132.5°	2203.3	2239.1	2382.4	2525.7	2382.4	2239.1	2203.3	1964.0	1644.9	1485.3	1392.4
135°	2074.7	2105.6	2229.2	2352.6	2229.2	2105.6	2074.7	1874.3	1607.1	1473.5	1391.1
137.5°	1979.8	2005.1	2106.2	2207.3	2106.2	2005.1	1979.8	1810.4	1584.4	1471.5	1399.6
140°	1903.7	1927.3	2021.8	2116.3	2021.8	1927.3	1903.7	1757.3	1562.2	1464.6	1401.1
142.5°	1850.2	1870.6	1951.8	2033.2	1951.8	1870.6	1850.2	1721.7	1550.3	1464.6	1406.1
145°	1770.2	1785.6	1847.1	1908.6	1847.1	1785.6	1770.2	1665.0	1524.8	1454.7	1406.1
147.5°	1703.0	1715.7	1766.7	1817.7	1766.7	1715.7	1703.0	1620.2	1509.9	1454.7	1415.8
150°	1664.4	1674.7	1716.0	1757.3	1716.0	1674.7	1664.4	1594.5	1501.3	1454.7	1420.8
152.5°	1633.7	1641.5	1672.7	1703.9	1672.7	1641.5	1633.7	1574.0	1494.5	1454.7	1424.1
155°	1597.1	1602.3	1622.9	1643.6	1622.9	1602.3	1597.1	1549.7	1486.4	1454.7	1431.4
157.5°	1565.4	1569.1	1583.6	1598.1	1583.6	1569.1	1565.4	1528.5	1479.3	1454.7	1438.6
160°	1549.6	1551.7	1560.0	1568.4	1560.0	1551.7	1549.6	1518.0	1475.8	1454.7	1442.0
162.5°	1534.8	1536.8	1544.7	1552.6	1544.7	1536.8	1534.8	1508.0	1472.4	1454.7	1445.4
165°	1512.1	1514.2	1522.5	1530.9	1522.5	1514.2	1512.1	1493.0	1467.5	1454.7	1450.5
167.5°	1502.1	1503.0	1506.5	1510.0	1506.5	1503.0	1502.1	1489.6	1472.9	1464.6	1461.1
170°	1502.1	1502.1	1502.1	1502.1	1502.1	1502.1	1502.1	1489.6	1472.9	1464.6	1464.4
172.5°	1494.3	1493.5	1490.4	1487.3	1490.4	1493.5	1494.3	1484.4	1471.2	1464.6	1464.6
175°	1483.4	1483.4	1483.4	1483.4	1483.4	1483.4	1483.4	1477.1	1468.8	1464.6	1466.6
177.5°	1481.4	1480.5	1477.0	1473.5	1477.0	1480.5	1481.4	1476.4	1469.8	1466.6	1468.1
180°	1473.5	1473.5	1473.5	1473.5	1473.5	1473.5	1473.5	1473.5	1473.5	1473.5	1473.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3416.2	3416.2	3416.2	3416.2	3416.2
2.5°	3374.2	3390.3	3400.1	3413.0	3445.3
5°	3244.9	3306.3	3325.7	3374.2	3432.4
7.5°	2960.5	3148.0	3199.6	3316.0	3406.5
10°	2685.7	2873.2	2963.7	3238.4	3374.2
12.5°	2546.8	2656.7	2718.1	3102.7	3328.9
15°	2459.5	2537.1	2582.3	2921.7	3277.3
17.5°	2391.7	2446.6	2478.9	2744.0	3206.1
20°	2349.7	2375.5	2404.6	2614.7	3125.3
22.5°	2320.6	2304.4	2327.0	2524.2	3015.4
25°	2301.2	2239.8	2265.6	2453.1	2886.2
27.5°	2317.3	2181.6	2191.2	2388.5	2750.4
30°	2320.6	2110.5	2113.7	2320.6	2598.6
32.5°	2297.9	2036.2	2039.4	2236.5	2427.2
35°	2243.0	1948.9	1945.6	2139.6	2194.5
37.5°	2168.6	1855.2	1855.2	2032.9	1939.2
40°	2078.2	1761.4	1771.1	1894.0	1713.0
42.5°	1968.3	1661.2	1674.2	1709.7	1544.9
45°	1848.7	1564.3	1573.9	1444.7	1415.6
47.5°	1716.2	1464.1	1467.4	1199.1	1373.6
50°	1557.8	1360.7	1347.7	1027.8	1370.3
52.5°	1418.8	1247.5	1208.7	930.8	1244.3
55°	1283.1	1128.0	1043.9	856.4	1153.8
57.5°	1163.5	972.9	892.1	769.3	1134.4
60°	1053.7	820.9	759.5	675.5	1040.7
62.5°	963.1	707.8	694.9	610.8	943.7
65°	866.2	630.2	627.0	555.9	801.5
67.5°	772.4	578.5	575.3	504.1	610.8
70°	672.2	523.6	517.1	449.2	452.5
72.5°	568.8	462.2	455.7	404.0	374.9
75°	465.4	391.1	387.8	352.3	303.8
77.5°	365.2	310.3	316.8	284.4	223.0
80°	261.8	226.2	232.7	203.6	168.1
82.5°	174.6	148.7	155.1	129.3	113.1
85°	96.9	84.0	87.3	67.9	51.7
87.5°	45.3	38.8	38.8	25.9	16.1
90°	43.5	27.7	25.7	17.9	9.9
92.5°	268.4	190.9	174.1	106.8	39.5
95°	660.3	371.9	341.1	218.0	94.9
97.5°	889.4	408.5	381.3	272.7	164.2
100°	972.8	439.1	414.5	316.0	217.5
102.5°	1011.1	469.8	446.7	354.9	263.0
105°	1039.3	515.2	495.7	418.0	340.2
107.5°	1044.6	582.5	564.3	491.8	419.3
110°	1036.7	620.1	603.8	538.2	472.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1037.0	665.5	650.0	587.5	525.2
115°	1046.6	733.7	719.3	661.8	604.2
117.5°	1066.1	800.0	786.9	734.7	682.3
120°	1081.8	838.6	826.3	777.1	727.8
122.5°	1104.6	884.0	871.6	822.0	772.3
125°	1135.2	942.4	931.1	885.9	840.6
127.5°	1166.0	998.8	987.4	941.7	896.0
130°	1188.3	1036.4	1024.0	974.9	925.6
132.5°	1206.5	1067.0	1054.7	1005.5	956.2
135°	1226.2	1102.6	1091.5	1046.6	1001.8
137.5°	1255.9	1148.1	1137.0	1092.6	1048.2
140°	1274.1	1178.8	1168.5	1127.7	1086.8
142.5°	1289.2	1201.5	1192.0	1154.3	1116.5
145°	1309.0	1236.2	1227.9	1194.9	1161.9
147.5°	1338.1	1279.7	1271.7	1239.6	1207.5
150°	1353.1	1302.4	1295.2	1266.1	1237.1
152.5°	1363.1	1317.2	1311.7	1289.7	1267.8
155°	1384.8	1349.9	1345.8	1329.6	1313.3
157.5°	1406.5	1382.5	1378.5	1362.7	1346.9
160°	1416.5	1397.4	1394.3	1382.0	1369.7
162.5°	1427.0	1413.1	1410.8	1401.6	1392.4
165°	1442.1	1435.9	1433.8	1425.5	1417.1
167.5°	1454.0	1448.7	1447.8	1443.8	1439.9
170°	1463.9	1463.6	1462.7	1458.7	1454.7
172.5°	1464.6	1464.6	1464.4	1463.4	1462.6
175°	1470.5	1473.5	1473.5	1473.5	1473.5
177.5°	1471.2	1473.5	1473.5	1473.5	1473.5
180°	1473.5	1473.5	1473.5	1473.5	1473.5



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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	14.23	15.08	15.21	16.06	17.36	17.07	17.91	18.04	18.90	20.20
	3H	14.71	15.46	15.69	16.46	17.78	18.42	19.17	19.40	20.17	21.49
	4H	14.90	15.61	15.90	16.61	17.94	18.86	19.58	19.86	20.58	21.90
	6H	15.02	15.68	16.02	16.68	18.02	19.15	19.81	20.16	20.81	22.15
	8H	15.02	15.64	16.03	16.67	18.00	19.22	19.85	20.24	20.87	22.21
	12H	14.99	15.58	16.01	16.60	17.96	19.26	19.86	20.28	20.87	22.24
4H	2H	15.26	15.98	16.27	16.98	18.31	17.48	18.19	18.48	19.19	20.52
	3H	16.29	16.89	17.30	17.92	19.26	18.98	19.58	20.00	20.61	21.95
	4H	16.57	17.11	17.59	18.13	19.50	19.51	20.06	20.53	21.08	22.44
	6H	16.69	17.16	17.72	18.20	19.56	19.88	20.35	20.91	21.39	22.75
	8H	16.69	17.13	17.73	18.17	19.55	19.99	20.42	21.02	21.46	22.84
	12H	16.66	17.06	17.71	18.11	19.49	20.04	20.44	21.09	21.49	22.87
8H	4H	17.02	17.46	18.05	18.49	19.87	19.64	20.07	20.67	21.11	22.49
	6H	17.28	17.64	18.34	18.72	20.09	20.07	20.44	21.13	21.51	22.89
	8H	17.32	17.64	18.39	18.70	20.10	20.23	20.54	21.29	21.61	23.00
	12H	17.31	17.59	18.37	18.64	20.08	20.33	20.61	21.39	21.66	23.10
12H	4H	17.02	17.42	18.08	18.47	19.85	19.60	19.99	20.65	21.05	22.43
	6H	17.34	17.66	18.40	18.72	20.12	20.07	20.39	21.13	21.45	22.85
	8H	17.41	17.69	18.47	18.75	20.18	20.23	20.51	21.30	21.57	23.01