

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: P935695

Luminaire Tested: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935695
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-B2750-1D-UNV-STD-W-8-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

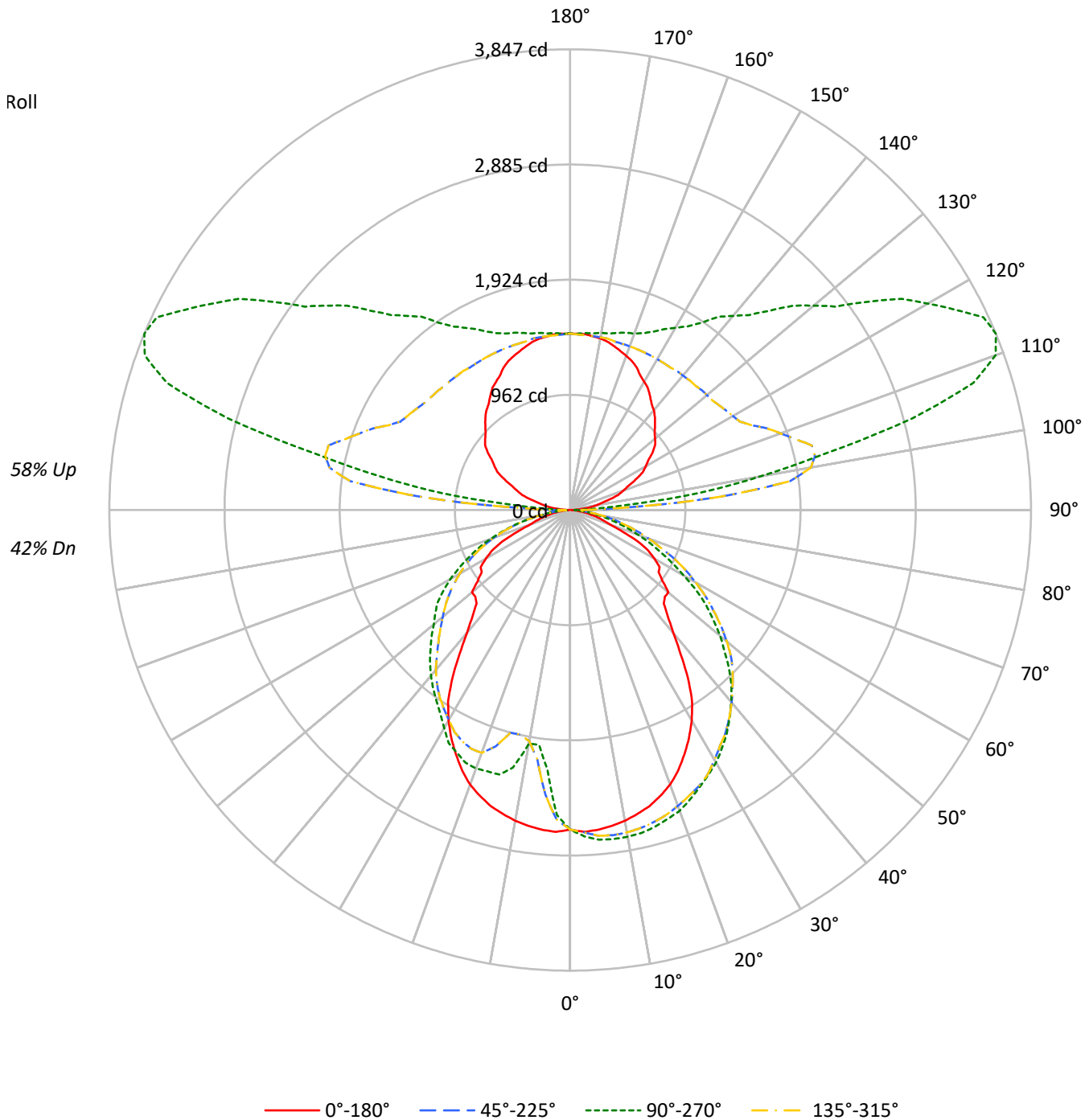
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16473.8 lumens
Efficiency: N/A
Efficacy: 127.9 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





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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°	12376	12376	12376	12376
5°	12468	12493	12468	9823
10°	12385	12306	12385	8798
15°	12250	12039	12250	10053
20°	11994	11724	11994	10074
25°	11469	11263	11469	9860
30°	10792	10880	10792	9392
35°	9621	10397	9621	8877
40°	8017	9827	8017	8488
45°	7163	9160	7163	8040
50°	7610	8365	7610	7591
55°	7160	7509	7160	7331
60°	7381	6378	7381	6715
65°	6691	5272	6691	5893
70°	4634	4202	4634	4939
75°	4063	3106	4063	3719
80°	3273	2053	3273	2236
85°	1882	1087	1882	924

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10978 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.8	1.5
10°-20°	683.6	4.1
20°-30°	1056.8	6.4
30°-40°	1261.6	7.7
40°-50°	1269.0	7.7
50°-60°	1104.2	6.7
60°-70°	782.9	4.8
70°-80°	414.2	2.5
80°-90°	108.8	0.7
90°-100°	718.3	4.4
100°-110°	1888.3	11.5
110°-120°	1958.0	11.9
120°-130°	1570.5	9.5
130°-140°	1232.3	7.5
140°-150°	945.9	5.7
150°-160°	681.2	4.1
160°-170°	416.8	2.5
170°-180°	140.8	0.9
0°-30°	1981.2	12.0
0°-40°	3242.8	19.7
0°-60°	5615.9	34.1
0°-90°	6921.7	42.0
90°-120°	4564.6	27.7
90°-150°	8313.3	50.5
90°-180°	9552.0	58.0
0°-180°	16473.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2667	2667	2667	2667	2667	
5°	2680	2763	2680	2173	2680	254
15°	2559	2738	2559	2286	2559	720
25°	2254	2554	2254	2236	2254	1035
35°	1714	2279	1714	1946	1714	1060
45°	1105	1878	1105	1648	1105	885
55°	901	1385	901	1353	901	828
65°	626	835	626	934	626	598
75°	237	396	237	474	237	249
85°	40	101	40	86	40	55
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°	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4
2.5°	2690.1	2690.1	2705.2	2710.3	2710.3	2702.7	2695.2	2702.7	2725.5	2733.0	2730.5
5°	2680.0	2700.2	2728.0	2733.0	2738.1	2735.5	2730.5	2735.5	2760.8	2765.9	2768.4
7.5°	2659.9	2697.7	2733.0	2740.6	2748.2	2740.6	2738.1	2743.1	2768.4	2773.4	2773.4
10°	2634.6	2687.6	2728.0	2733.0	2740.6	2733.0	2733.0	2743.1	2768.4	2773.4	2775.9
12.5°	2599.2	2672.5	2710.3	2715.4	2725.5	2722.9	2720.4	2730.5	2755.7	2760.8	2760.8
15°	2558.9	2644.7	2680.0	2685.1	2702.7	2697.7	2697.7	2707.8	2735.5	2743.1	2740.6
17.5°	2503.3	2609.3	2649.7	2657.3	2669.9	2667.4	2669.9	2680.0	2705.2	2710.3	2712.9
20°	2440.3	2561.4	2609.3	2616.9	2629.6	2629.6	2629.6	2642.2	2667.4	2677.5	2677.5
22.5°	2354.5	2511.0	2561.4	2566.5	2581.6	2581.6	2586.6	2604.3	2627.0	2629.6	2629.6
25°	2253.5	2455.4	2498.3	2513.5	2528.6	2536.2	2543.7	2553.9	2561.4	2558.9	2561.4
27.5°	2147.5	2384.7	2440.3	2450.3	2470.6	2478.1	2488.3	2490.7	2493.3	2500.9	2495.8
30°	2028.9	2286.4	2369.6	2379.8	2412.5	2417.6	2407.5	2412.5	2425.1	2430.2	2435.2
32.5°	1895.2	2140.0	2296.5	2319.1	2349.4	2334.3	2331.7	2339.4	2359.5	2359.5	2364.6
35°	1713.5	2026.4	2228.3	2248.5	2271.2	2253.5	2263.6	2266.1	2278.8	2286.4	2283.8
37.5°	1514.2	1928.0	2157.6	2172.8	2190.5	2167.8	2182.8	2190.5	2200.5	2195.5	2195.5
40°	1337.5	1774.1	2074.4	2084.5	2099.6	2081.9	2097.1	2102.1	2107.2	2102.1	2099.6
42.5°	1206.3	1605.0	1986.0	1998.6	1988.6	2001.2	2006.3	2016.3	2008.7	1998.6	1998.6
45°	1105.3	1559.5	1890.1	1905.3	1890.1	1910.4	1917.9	1917.9	1895.2	1890.1	1887.7
47.5°	1072.6	1468.7	1794.3	1794.3	1786.7	1811.9	1824.5	1806.9	1784.1	1776.6	1776.6
50°	1070.0	1367.8	1663.0	1652.9	1688.2	1718.5	1705.9	1688.2	1670.6	1642.8	1642.8
52.5°	971.6	1244.1	1493.9	1531.8	1587.3	1605.0	1584.8	1567.2	1536.9	1524.3	1514.2
55°	900.9	1115.4	1340.1	1415.7	1473.8	1496.5	1458.6	1441.0	1395.5	1388.0	1382.9
57.5°	885.8	928.6	1198.7	1294.6	1365.3	1362.7	1340.1	1307.2	1269.4	1261.7	1259.3
60°	812.6	671.3	1047.3	1160.8	1234.1	1226.4	1206.3	1176.0	1140.7	1135.6	1130.5
62.5°	736.9	487.0	875.6	1004.4	1107.8	1105.3	1087.6	1042.2	1017.0	1004.4	994.3
65°	625.8	408.8	623.3	835.3	984.2	989.2	951.4	918.6	890.8	875.6	873.2
67.5°	476.9	333.1	421.4	696.5	865.6	860.6	812.6	797.4	762.1	754.5	739.4
70°	353.3	222.0	292.7	565.3	749.5	736.9	699.1	681.4	648.5	630.9	620.8
72.5°	292.7	179.2	214.5	439.1	630.9	615.8	582.9	562.8	535.0	519.8	509.8
75°	237.2	189.3	164.1	325.6	512.3	502.2	471.9	451.7	429.0	408.8	411.3
77.5°	174.1	176.7	131.2	239.7	406.3	391.2	373.5	348.3	338.2	318.0	318.0
80°	131.2	138.8	98.5	164.1	292.7	292.7	277.6	260.0	242.3	232.2	232.2
82.5°	88.3	88.3	73.2	103.4	199.4	191.8	181.7	176.7	166.6	161.5	161.5
85°	40.4	50.4	45.5	63.1	108.5	113.5	113.5	108.5	106.0	100.9	103.4
87.5°	12.6	22.7	27.8	35.3	55.5	58.1	60.5	60.5	60.5	63.1	63.1
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°	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4
2.5°	2735.5	2728.0	2735.5	2730.5	2733.0	2725.5	2702.7	2695.2	2702.7	2710.3	2710.3
5°	2768.4	2763.3	2768.4	2768.4	2765.9	2760.8	2735.5	2730.5	2735.5	2738.1	2733.0
7.5°	2778.5	2770.8	2778.5	2773.4	2773.4	2768.4	2743.1	2738.1	2740.6	2748.2	2740.6
10°	2778.5	2770.8	2778.5	2775.9	2773.4	2768.4	2743.1	2733.0	2733.0	2740.6	2733.0
12.5°	2765.9	2760.8	2765.9	2760.8	2760.8	2755.7	2730.5	2720.4	2722.9	2725.5	2715.4
15°	2745.6	2738.1	2745.6	2740.6	2743.1	2735.5	2707.8	2697.7	2697.7	2702.7	2685.1
17.5°	2715.4	2705.2	2715.4	2712.9	2710.3	2705.2	2680.0	2669.9	2667.4	2669.9	2657.3
20°	2680.0	2672.5	2680.0	2677.5	2677.5	2667.4	2642.2	2629.6	2629.6	2629.6	2616.9
22.5°	2624.5	2616.9	2624.5	2629.6	2629.6	2627.0	2604.3	2586.6	2581.6	2581.6	2566.5
25°	2561.4	2553.9	2561.4	2561.4	2558.9	2561.4	2553.9	2543.7	2536.2	2528.6	2513.5
27.5°	2500.9	2495.8	2500.9	2495.8	2500.9	2493.3	2490.7	2488.3	2478.1	2470.6	2450.3
30°	2440.3	2435.2	2440.3	2435.2	2430.2	2425.1	2412.5	2407.5	2417.6	2412.5	2379.8
32.5°	2364.6	2359.5	2364.6	2364.6	2359.5	2359.5	2339.4	2331.7	2334.3	2349.4	2319.1
35°	2286.4	2278.8	2286.4	2283.8	2286.4	2278.8	2266.1	2263.6	2253.5	2271.2	2248.5
37.5°	2195.5	2187.9	2195.5	2195.5	2195.5	2200.5	2190.5	2182.8	2167.8	2190.5	2172.8
40°	2102.1	2092.0	2102.1	2099.6	2102.1	2107.2	2102.1	2097.1	2081.9	2099.6	2084.5
42.5°	1996.1	1993.7	1996.1	1998.6	1998.6	2008.7	2016.3	2006.3	2001.2	1988.6	1998.6
45°	1882.6	1877.5	1882.6	1887.7	1890.1	1895.2	1917.9	1917.9	1910.4	1890.1	1905.3
47.5°	1761.4	1748.8	1761.4	1776.6	1776.6	1784.1	1806.9	1824.5	1811.9	1786.7	1794.3
50°	1632.8	1635.2	1632.8	1642.8	1642.8	1670.6	1688.2	1705.9	1718.5	1688.2	1652.9
52.5°	1506.6	1504.0	1506.6	1514.2	1524.3	1536.9	1567.2	1584.8	1605.0	1587.3	1531.8
55°	1380.4	1385.4	1380.4	1382.9	1388.0	1395.5	1441.0	1458.6	1496.5	1473.8	1415.7
57.5°	1254.2	1246.7	1254.2	1259.3	1261.7	1269.4	1307.2	1340.1	1362.7	1365.3	1294.6
60°	1107.8	1097.8	1107.8	1130.5	1135.6	1140.7	1176.0	1206.3	1226.4	1234.1	1160.8
62.5°	979.2	961.5	979.2	994.3	1004.4	1017.0	1042.2	1087.6	1105.3	1107.8	1004.4
65°	842.9	835.3	842.9	873.2	875.6	890.8	918.6	951.4	989.2	984.2	835.3
67.5°	719.2	719.2	719.2	739.4	754.5	762.1	797.4	812.6	860.6	865.6	696.5
70°	605.7	603.2	605.7	620.8	630.9	648.5	681.4	699.1	736.9	749.5	565.3
72.5°	497.2	494.6	497.2	509.8	519.8	535.0	562.8	582.9	615.8	630.9	439.1
75°	401.3	396.2	401.3	411.3	408.8	429.0	451.7	471.9	502.2	512.3	325.6
77.5°	307.9	307.9	307.9	318.0	318.0	338.2	348.3	373.5	391.2	406.3	239.7
80°	229.7	227.1	229.7	232.2	232.2	242.3	260.0	277.6	292.7	292.7	164.1
82.5°	161.5	156.4	161.5	161.5	161.5	166.6	176.7	181.7	191.8	199.4	103.4
85°	100.9	100.9	100.9	103.4	100.9	106.0	108.5	113.5	113.5	108.5	63.1
87.5°	65.6	63.1	65.6	63.1	63.1	60.5	60.5	60.5	58.1	55.5	35.3
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: P935695

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-8-4000K

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



TEST NUMBER: P935695

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4
2.5°	2705.2	2690.1	2690.1	2664.9	2654.8	2647.3	2634.6	2596.7	2586.6	2576.6	2591.7
5°	2728.0	2700.2	2680.0	2634.6	2596.7	2581.6	2533.6	2442.8	2382.2	2336.8	2311.6
7.5°	2733.0	2697.7	2659.9	2589.2	2498.3	2458.0	2311.6	2145.0	2099.6	2059.3	2034.0
10°	2728.0	2687.6	2634.6	2528.6	2314.1	2243.5	2097.1	1988.6	1960.8	1953.3	1960.8
12.5°	2710.3	2672.5	2599.2	2422.6	2122.3	2074.4	1988.6	1925.5	1920.4	1933.0	2001.2
15°	2680.0	2644.7	2558.9	2281.3	2016.3	1981.0	1920.4	1897.7	1925.5	2013.8	2218.2
17.5°	2649.7	2609.3	2503.3	2142.5	1935.6	1910.4	1867.4	1912.9	2069.3	2187.9	2256.1
20°	2609.3	2561.4	2440.3	2041.6	1877.5	1854.8	1834.7	2039.0	2157.6	2200.5	2238.4
22.5°	2561.4	2511.0	2354.5	1970.9	1817.0	1799.3	1811.9	2109.7	2157.6	2187.9	2220.8
25°	2498.3	2455.4	2253.5	1915.3	1769.0	1748.8	1796.7	2102.1	2129.8	2137.5	2203.1
27.5°	2440.3	2384.7	2147.5	1864.9	1711.0	1703.4	1809.4	2069.3	2089.5	2097.1	2167.8
30°	2369.6	2286.4	2028.9	1811.9	1650.4	1647.9	1811.9	2028.9	2023.9	2044.1	2114.8
32.5°	2296.5	2140.0	1895.2	1746.3	1592.4	1589.9	1794.3	1968.4	1963.3	1991.1	2044.1
35°	2228.3	2026.4	1713.5	1670.6	1519.2	1521.7	1751.4	1897.7	1900.3	1925.5	1958.3
37.5°	2157.6	1928.0	1514.2	1587.3	1448.5	1448.5	1693.3	1832.1	1827.1	1834.7	1880.0
40°	2074.4	1774.1	1337.5	1478.8	1382.9	1375.3	1622.6	1761.4	1743.7	1741.3	1804.4
42.5°	1986.0	1605.0	1206.3	1335.0	1307.2	1297.1	1536.9	1675.6	1642.8	1650.4	1731.1
45°	1890.1	1559.5	1105.3	1128.0	1229.0	1221.4	1443.5	1577.2	1554.5	1574.7	1658.0
47.5°	1794.3	1468.7	1072.6	936.3	1145.7	1143.1	1340.1	1481.3	1468.7	1488.9	1577.2
50°	1663.0	1367.8	1070.0	802.5	1052.3	1062.4	1216.4	1388.0	1388.0	1405.7	1499.0
52.5°	1493.9	1244.1	971.6	726.8	943.8	974.1	1107.8	1307.2	1312.3	1329.9	1413.2
55°	1340.1	1115.4	900.9	668.8	815.1	880.7	1001.9	1223.9	1234.1	1251.7	1327.4
57.5°	1198.7	928.6	885.8	600.6	696.5	759.6	908.5	1143.1	1148.2	1163.4	1236.5
60°	1047.3	671.3	812.6	527.4	593.1	641.0	822.6	1047.3	1064.9	1075.0	1138.2
62.5°	875.6	487.0	736.9	476.9	542.5	552.7	752.1	956.4	979.2	986.7	1024.5
65°	623.3	408.8	625.8	434.0	489.5	492.1	676.3	863.0	883.3	895.9	923.6
67.5°	421.4	333.1	476.9	393.7	449.2	451.7	603.2	754.5	782.3	792.4	810.0
70°	292.7	222.0	353.3	350.8	403.8	408.8	524.9	656.1	681.4	688.9	699.1
72.5°	214.5	179.2	292.7	315.4	355.8	360.9	444.2	545.1	570.3	577.9	582.9
75°	164.1	189.3	237.2	275.0	302.8	305.3	363.4	444.2	461.8	466.9	469.4
77.5°	131.2	176.7	174.1	222.0	247.3	242.3	285.2	343.2	358.3	358.3	358.3
80°	98.5	138.8	131.2	159.0	181.7	176.7	204.4	244.8	249.8	254.9	252.3
82.5°	73.2	88.3	88.3	100.9	121.1	116.1	136.3	159.0	159.0	159.0	164.1
85°	45.5	50.4	40.4	53.0	68.1	65.6	75.7	85.8	88.3	88.3	83.3
87.5°	27.8	22.7	12.6	20.2	30.3	30.3	35.3	37.8	35.3	35.3	35.3
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: P935695

CATALOG NUMBER: SQ4-FA-125U-100D-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: P935695

CATALOG NUMBER: SQ4-FA-125U-100D-B2750-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4	2667.4
2.5°	2574.0	2566.5	2576.6	2548.8	2576.6	2566.5	2574.0	2591.7	2576.6	2586.6	2596.7
5°	2258.6	2246.0	2205.6	2172.8	2205.6	2246.0	2258.6	2311.6	2336.8	2382.2	2442.8
7.5°	2018.9	2008.7	1998.6	1978.5	1998.6	2008.7	2018.9	2034.0	2059.3	2099.6	2145.0
10°	1965.9	1968.4	1983.5	1981.0	1983.5	1968.4	1965.9	1960.8	1953.3	1960.8	1988.6
12.5°	2102.1	2124.9	2208.2	2203.1	2208.2	2124.9	2102.1	2001.2	1933.0	1920.4	1925.5
15°	2258.6	2266.1	2283.8	2286.4	2283.8	2266.1	2258.6	2218.2	2013.8	1925.5	1897.7
17.5°	2273.8	2276.2	2288.8	2288.8	2288.8	2276.2	2273.8	2256.1	2187.9	2069.3	1912.9
20°	2261.2	2266.1	2291.4	2296.5	2291.4	2266.1	2261.2	2238.4	2200.5	2157.6	2039.0
22.5°	2256.1	2266.1	2286.4	2283.8	2286.4	2266.1	2256.1	2220.8	2187.9	2157.6	2109.7
25°	2230.8	2230.8	2233.4	2235.8	2233.4	2230.8	2230.8	2203.1	2137.5	2129.8	2102.1
27.5°	2177.9	2182.8	2198.0	2195.5	2198.0	2182.8	2177.9	2167.8	2097.1	2089.5	2069.3
30°	2129.8	2124.9	2112.2	2102.1	2112.2	2124.9	2129.8	2114.8	2044.1	2023.9	2028.9
32.5°	2049.1	2036.5	2023.9	2016.3	2023.9	2036.5	2049.1	2044.1	1991.1	1963.3	1968.4
35°	1953.3	1955.7	1953.3	1945.6	1953.3	1955.7	1953.3	1958.3	1925.5	1900.3	1897.7
37.5°	1885.1	1890.1	1887.7	1877.5	1887.7	1890.1	1885.1	1880.0	1834.7	1827.1	1832.1
40°	1814.4	1817.0	1814.4	1806.9	1814.4	1817.0	1814.4	1804.4	1741.3	1743.7	1761.4
42.5°	1746.3	1743.7	1736.2	1731.1	1736.2	1743.7	1746.3	1731.1	1650.4	1642.8	1675.6
45°	1668.1	1670.6	1655.5	1647.9	1655.5	1670.6	1668.1	1658.0	1574.7	1554.5	1577.2
47.5°	1589.9	1589.9	1577.2	1569.6	1577.2	1589.9	1589.9	1577.2	1488.9	1468.7	1481.3
50°	1506.6	1504.0	1486.4	1483.9	1486.4	1504.0	1506.6	1499.0	1405.7	1388.0	1388.0
52.5°	1410.6	1410.6	1413.2	1418.3	1413.2	1410.6	1410.6	1413.2	1329.9	1312.3	1307.2
55°	1327.4	1329.9	1347.6	1352.7	1347.6	1329.9	1327.4	1327.4	1251.7	1234.1	1223.9
57.5°	1241.6	1241.6	1254.2	1254.2	1254.2	1241.6	1241.6	1236.5	1163.4	1148.2	1143.1
60°	1143.1	1148.2	1158.3	1155.8	1158.3	1148.2	1143.1	1138.2	1075.0	1064.9	1047.3
62.5°	1039.7	1044.8	1047.3	1042.2	1047.3	1044.8	1039.7	1024.5	986.7	979.2	956.4
65°	931.2	936.3	938.8	933.7	938.8	936.3	931.2	923.6	895.9	883.3	863.0
67.5°	820.2	817.7	815.1	825.2	815.1	817.7	820.2	810.0	792.4	782.3	754.5
70°	706.6	706.6	704.0	709.1	704.0	706.6	706.6	699.1	688.9	681.4	656.1
72.5°	585.5	582.9	593.1	585.5	593.1	582.9	585.5	582.9	577.9	570.3	545.1
75°	466.9	471.9	466.9	474.4	466.9	471.9	466.9	469.4	466.9	461.8	444.2
77.5°	355.8	360.9	355.8	355.8	355.8	360.9	355.8	358.3	358.3	358.3	343.2
80°	252.3	249.8	249.8	247.3	249.8	249.8	252.3	252.3	254.9	249.8	244.8
82.5°	161.5	159.0	159.0	164.1	159.0	159.0	161.5	164.1	159.0	159.0	159.0
85°	88.3	90.8	85.8	85.8	85.8	90.8	88.3	83.3	88.3	88.3	85.8
87.5°	32.9	30.3	30.3	30.3	30.3	30.3	32.9	35.3	35.3	35.3	37.8
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°	2667.4	2667.4	2667.4	2667.4	2667.4
2.5°	2634.6	2647.3	2654.8	2664.9	2690.1
5°	2533.6	2581.6	2596.7	2634.6	2680.0
7.5°	2311.6	2458.0	2498.3	2589.2	2659.9
10°	2097.1	2243.5	2314.1	2528.6	2634.6
12.5°	1988.6	2074.4	2122.3	2422.6	2599.2
15°	1920.4	1981.0	2016.3	2281.3	2558.9
17.5°	1867.4	1910.4	1935.6	2142.5	2503.3
20°	1834.7	1854.8	1877.5	2041.6	2440.3
22.5°	1811.9	1799.3	1817.0	1970.9	2354.5
25°	1796.7	1748.8	1769.0	1915.3	2253.5
27.5°	1809.4	1703.4	1711.0	1864.9	2147.5
30°	1811.9	1647.9	1650.4	1811.9	2028.9
32.5°	1794.3	1589.9	1592.4	1746.3	1895.2
35°	1751.4	1521.7	1519.2	1670.6	1713.5
37.5°	1693.3	1448.5	1448.5	1587.3	1514.2
40°	1622.6	1375.3	1382.9	1478.8	1337.5
42.5°	1536.9	1297.1	1307.2	1335.0	1206.3
45°	1443.5	1221.4	1229.0	1128.0	1105.3
47.5°	1340.1	1143.1	1145.7	936.3	1072.6
50°	1216.4	1062.4	1052.3	802.5	1070.0
52.5°	1107.8	974.1	943.8	726.8	971.6
55°	1001.9	880.7	815.1	668.8	900.9
57.5°	908.5	759.6	696.5	600.6	885.8
60°	822.6	641.0	593.1	527.4	812.6
62.5°	752.1	552.7	542.5	476.9	736.9
65°	676.3	492.1	489.5	434.0	625.8
67.5°	603.2	451.7	449.2	393.7	476.9
70°	524.9	408.8	403.8	350.8	353.3
72.5°	444.2	360.9	355.8	315.4	292.7
75°	363.4	305.3	302.8	275.0	237.2
77.5°	285.2	242.3	247.3	222.0	174.1
80°	204.4	176.7	181.7	159.0	131.2
82.5°	136.3	116.1	121.1	100.9	88.3
85°	75.7	65.6	68.1	53.0	40.4
87.5°	35.3	30.3	30.3	20.2	12.6
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	12.76	13.56	13.78	14.59	15.97	15.60	16.39	16.62	17.42	18.81
	3H	13.23	13.94	14.27	14.98	16.39	16.94	17.65	17.98	18.69	20.09
	4H	13.42	14.10	14.47	15.14	16.55	17.39	18.06	18.43	19.10	20.51
	6H	13.54	14.16	14.59	15.20	16.62	17.67	18.29	18.72	19.34	20.76
	8H	13.54	14.13	14.60	15.19	16.60	17.74	18.33	18.80	19.40	20.81
	12H	13.51	14.07	14.57	15.12	16.56	17.78	18.34	18.84	19.40	20.84
4H	2H	13.79	14.46	14.84	15.50	16.91	16.00	16.67	17.05	17.72	19.12
	3H	14.81	15.37	15.87	16.44	17.86	17.50	18.06	18.56	19.13	20.55
	4H	15.08	15.60	16.15	16.66	18.10	18.03	18.54	19.10	19.60	21.05
	6H	15.20	15.65	16.28	16.73	18.17	18.39	18.83	19.47	19.92	21.36
	8H	15.21	15.62	16.28	16.70	18.15	18.50	18.91	19.57	19.99	21.44
	12H	15.17	15.54	16.26	16.63	18.09	18.55	18.93	19.65	20.02	21.48
8H	4H	15.53	15.94	16.61	17.02	18.47	18.15	18.56	19.22	19.64	21.09
	6H	15.79	16.13	16.89	17.25	18.70	18.58	18.92	19.68	20.04	21.49
	8H	15.83	16.13	16.94	17.23	18.70	18.74	19.04	19.84	20.14	21.61
	12H	15.81	16.08	16.92	17.17	18.68	18.83	19.10	19.94	20.19	21.70
12H	4H	15.53	15.91	16.63	17.00	18.46	18.11	18.48	19.20	19.57	21.03
	6H	15.85	16.15	16.96	17.25	18.72	18.58	18.88	19.69	19.98	21.45
	8H	15.91	16.18	17.02	17.27	18.78	18.74	19.00	19.85	20.10	21.61