

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: P935762

Luminaire Tested: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-6-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935762
REPORT IS A COMBINATION OF REPORTS P933767 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-6-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

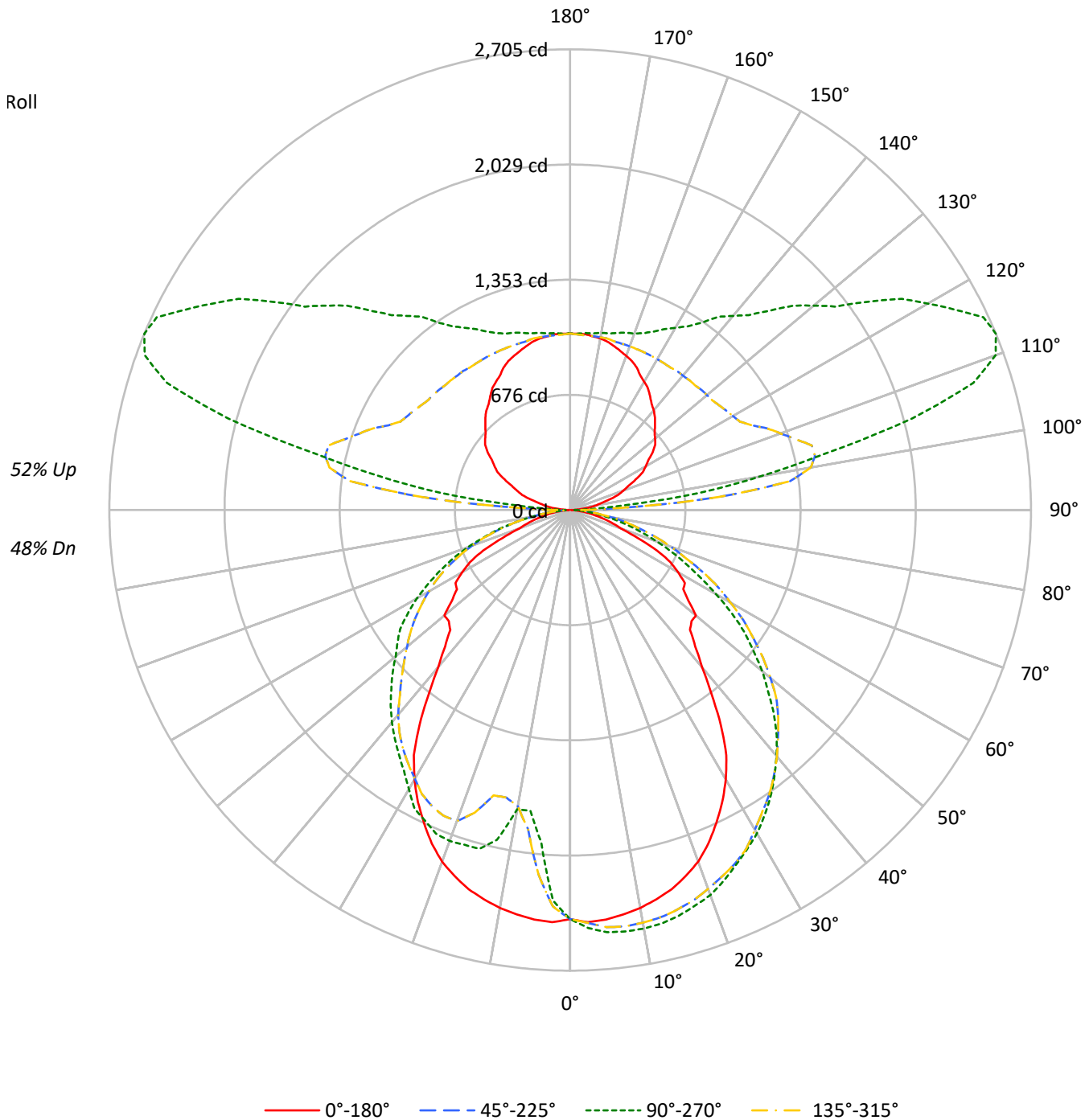
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12948.0 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 112.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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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	0
RCR																		
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48
1	97	93	89	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	41	39	34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29
4	74	63	55	49	68	59	52	46	50	44	40	41	37	34	34	31	28	25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19
7	58	45	38	32	53	42	35	30	36	31	26	30	26	23	25	22	19	17
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13
10	47	34	27	22	43	32	26	21	28	22	19	24	19	16	20	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14859	14859	14859	14859
5°	14964	14999	14964	11794
10°	14859	14775	14859	10563
15°	14692	14455	14692	12070
20°	14379	14076	14379	12095
25°	13744	13523	13744	11839
30°	12926	13063	12926	11277
35°	11518	12483	11518	10658
40°	9592	11799	9592	10191
45°	8565	10999	8565	9653
50°	9092	10044	9092	9114
55°	8546	9015	8546	8802
60°	8799	7657	8799	8062
65°	7965	6330	7965	7075
70°	5502	5044	5502	5930
75°	4806	3729	4806	4465
80°	3847	2465	3847	2684
85°	2164	1306	2164	1110

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13135 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.8	1.7
10°-20°	615.6	4.8
20°-30°	951.6	7.3
30°-40°	1136.0	8.8
40°-50°	1142.7	8.8
50°-60°	994.3	7.7
60°-70°	705.0	5.4
70°-80°	373.0	2.9
80°-90°	96.8	0.7
90°-100°	505.0	3.9
100°-110°	1327.7	10.3
110°-120°	1376.7	10.6
120°-130°	1104.3	8.5
130°-140°	866.5	6.7
140°-150°	665.1	5.1
150°-160°	478.9	3.7
160°-170°	293.0	2.3
170°-180°	99.0	0.8
0°-30°	1784.0	13.8
0°-40°	2920.0	22.6
0°-60°	5057.0	39.1
0°-90°	6231.7	48.1
90°-120°	3209.4	24.8
90°-150°	5845.2	45.1
90°-180°	6716.0	51.9
0°-180°	12948.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2402	2402	2402	2402	2402	
5°	2413	2488	2413	1956	2413	229
15°	2304	2466	2304	2059	2304	648
25°	2029	2300	2029	2013	2029	932
35°	1543	2052	1543	1752	1543	955
45°	995	1691	995	1484	995	797
55°	811	1248	811	1218	811	745
65°	564	752	564	841	564	539
75°	214	357	214	427	214	225
85°	36	91	36	77	36	49
90°	7	26	7	26	7	7
95°	67	305	67	305	67	74
105°	239	2079	239	2079	239	254
115°	425	2677	425	2677	425	420
125°	591	2132	591	2132	591	525
135°	704	1654	704	1654	704	545
145°	817	1342	817	1342	817	512
155°	923	1156	923	1156	923	424
165°	996	1076	996	1076	996	281
175°	1036	1043	1036	1043	1036	98
180°	1036	1036	1036	1036	1036	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9
2.5°	2422.4	2422.4	2436.1	2440.5	2440.5	2433.7	2426.9	2433.7	2454.2	2461.0	2458.7
5°	2413.3	2431.5	2456.5	2461.0	2465.6	2463.3	2458.7	2463.3	2486.0	2490.6	2492.8
7.5°	2395.1	2429.2	2461.0	2467.8	2474.6	2467.8	2465.6	2470.1	2492.8	2497.4	2497.4
10°	2372.4	2420.1	2456.5	2461.0	2467.8	2461.0	2461.0	2470.1	2492.8	2497.4	2499.6
12.5°	2340.6	2406.5	2440.5	2445.1	2454.2	2451.9	2449.7	2458.7	2481.4	2486.0	2486.0
15°	2304.3	2381.4	2413.3	2417.9	2433.7	2429.2	2429.2	2438.3	2463.3	2470.1	2467.8
17.5°	2254.2	2349.7	2386.0	2392.8	2404.2	2401.9	2404.2	2413.3	2436.1	2440.5	2442.9
20°	2197.5	2306.5	2349.7	2356.5	2367.8	2367.8	2367.8	2379.2	2401.9	2411.0	2411.0
22.5°	2120.2	2261.0	2306.5	2311.1	2324.7	2324.7	2329.2	2345.1	2365.6	2367.8	2367.8
25°	2029.2	2211.1	2249.7	2263.3	2277.0	2283.8	2290.6	2299.7	2306.5	2304.3	2306.5
27.5°	1933.8	2147.4	2197.5	2206.5	2224.7	2231.5	2240.6	2242.8	2245.2	2252.0	2247.4
30°	1827.0	2058.8	2133.8	2142.8	2172.4	2177.0	2167.9	2172.4	2183.8	2188.3	2192.9
32.5°	1706.6	1927.0	2067.9	2088.3	2115.6	2102.0	2099.7	2106.5	2124.7	2124.7	2129.2
35°	1543.0	1824.7	2006.6	2024.7	2045.2	2029.2	2038.4	2040.6	2052.0	2058.8	2056.5
37.5°	1363.5	1736.1	1942.9	1956.5	1972.5	1952.0	1965.7	1972.5	1981.5	1977.0	1977.0
40°	1204.4	1597.5	1867.9	1877.0	1890.6	1874.7	1888.4	1893.0	1897.4	1893.0	1890.6
42.5°	1086.2	1445.2	1788.4	1799.8	1790.6	1802.0	1806.6	1815.7	1808.8	1799.8	1799.8
45°	995.3	1404.4	1702.0	1715.7	1702.0	1720.3	1727.1	1727.1	1706.6	1702.0	1699.7
47.5°	965.8	1322.6	1615.7	1615.7	1608.9	1631.6	1643.0	1627.1	1606.5	1599.7	1599.7
50°	963.5	1231.7	1497.5	1488.5	1520.2	1547.5	1536.2	1520.2	1504.3	1479.3	1479.3
52.5°	874.9	1120.3	1345.3	1379.3	1429.4	1445.2	1427.0	1411.2	1383.9	1372.5	1363.5
55°	811.2	1004.4	1206.6	1274.8	1327.1	1347.5	1313.4	1297.6	1256.7	1249.9	1245.3
57.5°	797.6	836.2	1079.4	1165.8	1229.4	1227.1	1206.6	1177.1	1143.0	1136.2	1133.9
60°	731.7	604.4	943.0	1045.3	1111.2	1104.4	1086.2	1059.0	1027.1	1022.6	1018.1
62.5°	663.5	438.6	788.5	904.4	997.6	995.3	979.4	938.5	915.8	904.4	895.3
65°	563.6	368.2	561.3	752.2	886.3	890.7	856.7	827.2	802.2	788.5	786.3
67.5°	429.5	299.9	379.5	627.2	779.5	774.9	731.7	718.0	686.3	679.5	665.8
70°	318.1	200.0	263.6	509.0	674.9	663.5	629.5	613.6	584.0	568.1	559.0
72.5°	263.6	161.3	193.1	395.4	568.1	554.5	524.9	506.7	481.8	468.2	459.0
75°	213.6	170.5	147.7	293.1	461.3	452.2	424.9	406.7	386.3	368.2	370.4
77.5°	156.8	159.1	118.2	215.9	365.8	352.2	336.3	313.6	304.5	286.3	286.3
80°	118.2	125.0	88.6	147.7	263.6	263.6	250.0	234.0	218.2	209.1	209.1
82.5°	79.5	79.5	65.9	93.2	179.5	172.7	163.6	159.1	150.0	145.4	145.4
85°	36.3	45.5	40.9	56.9	97.7	102.2	102.2	97.7	95.4	90.9	93.2
87.5°	11.4	20.4	25.0	31.8	50.0	52.3	54.5	54.5	54.5	56.9	56.9
90°	7.0	12.5	18.1	19.4	30.5	45.4	52.8	46.9	35.2	26.4	26.4
92.5°	27.8	75.1	122.4	134.2	188.6	261.3	297.6	260.8	187.3	132.1	126.9
95°	66.8	153.3	239.8	261.4	464.2	734.7	869.9	776.2	588.9	448.5	432.5
97.5°	115.4	191.7	268.1	287.1	625.3	1076.3	1301.7	1242.5	1124.2	1035.3	1005.1
100°	153.0	222.2	291.4	308.7	683.9	1184.3	1434.5	1438.8	1447.5	1453.9	1417.8
102.5°	185.0	249.5	314.2	330.3	710.9	1218.3	1472.0	1547.4	1698.2	1811.3	1780.4
105°	239.2	293.9	348.5	362.2	730.8	1222.2	1467.9	1636.9	1975.0	2228.5	2211.9
107.5°	294.8	345.8	396.8	409.5	734.5	1167.8	1384.4	1620.2	2091.8	2445.5	2449.5
110°	332.3	378.4	424.4	435.9	728.9	1119.5	1314.9	1578.4	2105.7	2501.1	2518.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	369.2	413.1	457.0	468.0	729.1	1077.4	1251.6	1521.3	2060.9	2465.6	2492.2
115°	424.8	465.3	505.9	516.0	735.9	1029.2	1175.8	1435.7	1955.5	2345.4	2382.2
117.5°	479.8	516.6	553.3	562.5	749.6	998.9	1123.6	1358.2	1827.3	2179.2	2220.0
120°	511.8	546.4	581.0	589.7	760.7	988.7	1102.8	1317.1	1745.7	2067.2	2106.9
122.5°	543.1	578.0	612.9	621.6	776.7	983.4	1086.8	1279.8	1665.8	1955.3	1994.4
125°	591.0	622.9	654.7	662.6	798.3	979.0	1069.5	1233.4	1561.2	1807.2	1843.3
127.5°	629.9	662.1	694.2	702.3	819.8	976.5	1054.9	1195.6	1477.2	1688.3	1718.7
130°	650.8	685.5	720.0	728.7	835.5	977.9	1049.2	1174.6	1425.2	1613.2	1641.3
132.5°	672.4	707.0	741.6	750.3	848.3	979.0	1044.4	1156.6	1380.9	1549.2	1574.3
135°	704.3	735.9	767.4	775.3	862.2	978.1	1036.1	1130.0	1317.9	1458.8	1480.5
137.5°	737.0	768.3	799.5	807.3	883.0	984.1	1034.6	1114.0	1272.9	1392.0	1409.8
140°	764.1	792.9	821.6	828.8	895.8	985.1	1029.8	1098.4	1235.6	1338.5	1355.1
142.5°	785.0	811.6	838.2	844.8	906.5	988.7	1029.8	1090.0	1210.6	1301.0	1315.3
145°	817.0	840.2	863.3	869.2	920.4	988.7	1022.8	1072.1	1170.7	1244.7	1255.5
147.5°	849.0	871.6	894.1	899.8	940.8	995.5	1022.8	1061.6	1139.2	1197.4	1206.3
150°	869.9	890.3	910.6	915.7	951.4	999.0	1022.8	1055.6	1121.1	1170.3	1177.5
152.5°	891.4	906.9	922.4	926.2	958.4	1001.3	1022.8	1050.7	1106.7	1148.7	1154.1
155°	923.4	934.9	946.3	949.1	973.7	1006.4	1022.8	1045.1	1089.6	1123.0	1126.7
157.5°	947.1	958.2	969.3	972.0	989.0	1011.5	1022.8	1040.1	1074.7	1100.7	1103.2
160°	963.0	971.7	980.4	982.5	995.9	1013.9	1022.8	1037.7	1067.3	1089.6	1091.0
162.5°	979.0	985.5	992.0	993.6	1003.4	1016.4	1022.8	1035.3	1060.3	1079.1	1080.6
165°	996.4	1002.3	1008.2	1009.6	1014.0	1019.8	1022.8	1031.8	1049.8	1063.2	1064.6
167.5°	1012.4	1015.2	1018.0	1018.7	1022.4	1027.3	1029.8	1035.7	1047.4	1056.2	1056.8
170°	1022.8	1025.6	1028.4	1029.1	1029.3	1029.6	1029.8	1035.7	1047.4	1056.2	1056.2
172.5°	1028.4	1029.0	1029.6	1029.8	1029.8	1029.8	1029.8	1034.4	1043.7	1050.6	1050.1
175°	1036.1	1036.1	1036.1	1036.1	1034.0	1031.2	1029.8	1032.7	1038.7	1043.0	1043.0
177.5°	1036.1	1036.1	1036.1	1036.1	1034.4	1032.2	1031.1	1033.5	1038.1	1041.6	1041.0
180°	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9
2.5°	2463.3	2456.5	2463.3	2458.7	2461.0	2454.2	2433.7	2426.9	2433.7	2440.5	2440.5
5°	2492.8	2488.3	2492.8	2492.8	2490.6	2486.0	2463.3	2458.7	2463.3	2465.6	2461.0
7.5°	2501.9	2495.1	2501.9	2497.4	2497.4	2492.8	2470.1	2465.6	2467.8	2474.6	2467.8
10°	2501.9	2495.1	2501.9	2499.6	2497.4	2492.8	2470.1	2461.0	2461.0	2467.8	2461.0
12.5°	2490.6	2486.0	2490.6	2486.0	2486.0	2481.4	2458.7	2449.7	2451.9	2454.2	2445.1
15°	2472.4	2465.6	2472.4	2467.8	2470.1	2463.3	2438.3	2429.2	2429.2	2433.7	2417.9
17.5°	2445.1	2436.1	2445.1	2442.9	2440.5	2436.1	2413.3	2404.2	2401.9	2404.2	2392.8
20°	2413.3	2406.5	2413.3	2411.0	2411.0	2401.9	2379.2	2367.8	2367.8	2367.8	2356.5
22.5°	2363.3	2356.5	2363.3	2367.8	2367.8	2365.6	2345.1	2329.2	2324.7	2324.7	2311.1
25°	2306.5	2299.7	2306.5	2306.5	2304.3	2306.5	2299.7	2290.6	2283.8	2277.0	2263.3
27.5°	2252.0	2247.4	2252.0	2247.4	2252.0	2245.2	2242.8	2240.6	2231.5	2224.7	2206.5
30°	2197.5	2192.9	2197.5	2192.9	2188.3	2183.8	2172.4	2167.9	2177.0	2172.4	2142.8
32.5°	2129.2	2124.7	2129.2	2129.2	2124.7	2124.7	2106.5	2099.7	2102.0	2115.6	2088.3
35°	2058.8	2052.0	2058.8	2056.5	2058.8	2052.0	2040.6	2038.4	2029.2	2045.2	2024.7
37.5°	1977.0	1970.1	1977.0	1977.0	1977.0	1981.5	1972.5	1965.7	1952.0	1972.5	1956.5
40°	1893.0	1883.8	1893.0	1890.6	1893.0	1897.4	1893.0	1888.4	1874.7	1890.6	1877.0
42.5°	1797.5	1795.2	1797.5	1799.8	1799.8	1808.8	1815.7	1806.6	1802.0	1790.6	1799.8
45°	1695.2	1690.7	1695.2	1699.7	1702.0	1706.6	1727.1	1727.1	1720.3	1702.0	1715.7
47.5°	1586.1	1574.8	1586.1	1599.7	1599.7	1606.5	1627.1	1643.0	1631.6	1608.9	1615.7
50°	1470.3	1472.5	1470.3	1479.3	1479.3	1504.3	1520.2	1536.2	1547.5	1520.2	1488.5
52.5°	1356.7	1354.3	1356.7	1363.5	1372.5	1383.9	1411.2	1427.0	1445.2	1429.4	1379.3
55°	1243.0	1247.5	1243.0	1245.3	1249.9	1256.7	1297.6	1313.4	1347.5	1327.1	1274.8
57.5°	1129.3	1122.5	1129.3	1133.9	1136.2	1143.0	1177.1	1206.6	1227.1	1229.4	1165.8
60°	997.6	988.5	997.6	1018.1	1022.6	1027.1	1059.0	1086.2	1104.4	1111.2	1045.3
62.5°	881.7	865.8	881.7	895.3	904.4	915.8	938.5	979.4	995.3	997.6	904.4
65°	759.0	752.2	759.0	786.3	788.5	802.2	827.2	856.7	890.7	886.3	752.2
67.5°	647.7	647.7	647.7	665.8	679.5	686.3	718.0	731.7	774.9	779.5	627.2
70°	545.3	543.1	545.3	559.0	568.1	584.0	613.6	629.5	663.5	674.9	509.0
72.5°	447.7	445.4	447.7	459.0	468.2	481.8	506.7	524.9	554.5	568.1	395.4
75°	361.3	356.8	361.3	370.4	368.2	386.3	406.7	424.9	452.2	461.3	293.1
77.5°	277.3	277.3	277.3	286.3	286.3	304.5	313.6	336.3	352.2	365.8	215.9
80°	206.8	204.5	206.8	209.1	209.1	218.2	234.0	250.0	263.6	263.6	147.7
82.5°	145.4	140.9	145.4	145.4	145.4	150.0	159.1	163.6	172.7	179.5	93.2
85°	90.9	90.9	90.9	93.2	90.9	95.4	97.7	102.2	102.2	97.7	56.9
87.5°	59.1	56.9	59.1	56.9	56.9	54.5	54.5	54.5	52.3	50.0	31.8
90°	26.4	26.4	26.4	26.4	26.4	35.2	46.9	52.8	45.4	30.5	19.4
92.5°	105.8	84.8	105.8	126.9	132.1	187.3	260.8	297.6	261.3	188.6	134.2
95°	368.9	305.2	368.9	432.5	448.5	588.9	776.2	869.9	734.7	464.2	261.4
97.5°	883.9	762.8	883.9	1005.1	1035.3	1124.2	1242.5	1301.7	1076.3	625.3	287.1
100°	1273.6	1129.3	1273.6	1417.8	1453.9	1447.5	1438.8	1434.5	1184.3	683.9	308.7
102.5°	1656.8	1533.2	1656.8	1780.4	1811.3	1698.2	1547.4	1472.0	1218.3	710.9	330.3
105°	2145.4	2079.0	2145.4	2211.9	2228.5	1975.0	1636.9	1467.9	1222.2	730.8	362.2
107.5°	2465.5	2481.6	2465.5	2449.5	2445.5	2091.8	1620.2	1384.4	1167.8	734.5	409.5
110°	2587.6	2656.8	2587.6	2518.4	2501.1	2105.7	1578.4	1314.9	1119.5	728.9	435.9



TEST NUMBER: P935762

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2598.5	2704.8	2598.5	2492.2	2465.6	2060.9	1521.3	1251.6	1077.4	729.1	468.0
115°	2529.6	2677.0	2529.6	2382.2	2345.4	1955.5	1435.7	1175.8	1029.2	735.9	516.0
117.5°	2383.5	2547.0	2383.5	2220.0	2179.2	1827.3	1358.2	1123.6	998.9	749.6	562.5
120°	2265.8	2424.6	2265.8	2106.9	2067.2	1745.7	1317.1	1102.8	988.7	760.7	589.7
122.5°	2151.1	2307.8	2151.1	1994.4	1955.3	1665.8	1279.8	1086.8	983.4	776.7	621.6
125°	1987.6	2131.9	1987.6	1843.3	1807.2	1561.2	1233.4	1069.5	979.0	798.3	662.6
127.5°	1840.5	1962.3	1840.5	1718.7	1688.3	1477.2	1195.6	1054.9	976.5	819.8	702.3
130°	1753.8	1866.3	1753.8	1641.3	1613.2	1425.2	1174.6	1049.2	977.9	835.5	728.7
132.5°	1675.1	1775.9	1675.1	1574.3	1549.2	1380.9	1156.6	1044.4	979.0	848.3	750.3
135°	1567.3	1654.2	1567.3	1480.5	1458.8	1317.9	1130.0	1036.1	978.1	862.2	775.3
137.5°	1480.8	1551.9	1480.8	1409.8	1392.0	1272.9	1114.0	1034.6	984.1	883.0	807.3
140°	1421.6	1488.0	1421.6	1355.1	1338.5	1235.6	1098.4	1029.8	985.1	895.8	828.8
142.5°	1372.4	1429.6	1372.4	1315.3	1301.0	1210.6	1090.0	1029.8	988.7	906.5	844.8
145°	1298.7	1342.0	1298.7	1255.5	1244.7	1170.7	1072.1	1022.8	988.7	920.4	869.2
147.5°	1242.2	1278.1	1242.2	1206.3	1197.4	1139.2	1061.6	1022.8	995.5	940.8	899.8
150°	1206.6	1235.6	1206.6	1177.5	1170.3	1121.1	1055.6	1022.8	999.0	951.4	915.7
152.5°	1176.1	1198.0	1176.1	1154.1	1148.7	1106.7	1050.7	1022.8	1001.3	958.4	926.2
155°	1141.2	1155.7	1141.2	1126.7	1123.0	1089.6	1045.1	1022.8	1006.4	973.7	949.1
157.5°	1113.4	1123.6	1113.4	1103.2	1100.7	1074.7	1040.1	1022.8	1011.5	989.0	972.0
160°	1096.9	1102.8	1096.9	1091.0	1089.6	1067.3	1037.7	1022.8	1013.9	995.9	982.5
162.5°	1086.1	1091.7	1086.1	1080.6	1079.1	1060.3	1035.3	1022.8	1016.4	1003.4	993.6
165°	1070.5	1076.3	1070.5	1064.6	1063.2	1049.8	1031.8	1022.8	1019.8	1014.0	1009.6
167.5°	1059.2	1061.8	1059.2	1056.8	1056.2	1047.4	1035.7	1029.8	1027.3	1022.4	1018.7
170°	1056.2	1056.2	1056.2	1056.2	1056.2	1047.4	1035.7	1029.8	1029.6	1029.3	1029.1
172.5°	1048.0	1045.8	1048.0	1050.1	1050.6	1043.7	1034.4	1029.8	1029.8	1029.8	1029.8
175°	1043.0	1043.0	1043.0	1043.0	1043.0	1038.7	1032.7	1029.8	1031.2	1034.0	1036.1
177.5°	1038.6	1036.1	1038.6	1041.0	1041.6	1038.1	1033.5	1031.1	1032.2	1034.4	1036.1
180°	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1



TEST NUMBER: P935762

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9
2.5°	2436.1	2422.4	2422.4	2399.7	2390.6	2383.8	2372.4	2338.3	2329.2	2320.1	2333.7
5°	2456.5	2431.5	2413.3	2372.4	2338.3	2324.7	2281.5	2199.7	2145.2	2104.3	2081.5
7.5°	2461.0	2429.2	2395.1	2331.5	2249.7	2213.3	2081.5	1931.5	1890.6	1854.3	1831.5
10°	2456.5	2420.1	2372.4	2277.0	2083.8	2020.2	1888.4	1790.6	1765.6	1758.8	1765.6
12.5°	2440.5	2406.5	2340.6	2181.5	1911.1	1867.9	1790.6	1733.9	1729.3	1740.7	1802.0
15°	2413.3	2381.4	2304.3	2054.3	1815.7	1783.8	1729.3	1708.9	1733.9	1813.4	1997.4
17.5°	2386.0	2349.7	2254.2	1929.3	1742.9	1720.3	1681.6	1722.5	1863.4	1970.1	2031.6
20°	2349.7	2306.5	2197.5	1838.3	1690.7	1670.2	1652.0	1836.1	1942.9	1981.5	2015.6
22.5°	2306.5	2261.0	2120.2	1774.8	1636.1	1620.2	1631.6	1899.8	1942.9	1970.1	1999.7
25°	2249.7	2211.1	2029.2	1724.7	1592.9	1574.8	1617.9	1893.0	1917.9	1924.7	1983.8
27.5°	2197.5	2147.4	1933.8	1679.3	1540.7	1533.8	1629.3	1863.4	1881.6	1888.4	1952.0
30°	2133.8	2058.8	1827.0	1631.6	1486.1	1483.9	1631.6	1827.0	1822.5	1840.7	1904.2
32.5°	2067.9	1927.0	1706.6	1572.5	1433.9	1431.6	1615.7	1772.4	1768.0	1793.0	1840.7
35°	2006.6	1824.7	1543.0	1504.3	1367.9	1370.3	1577.1	1708.9	1711.1	1733.9	1763.4
37.5°	1942.9	1736.1	1363.5	1429.4	1304.4	1304.4	1524.8	1649.8	1645.2	1652.0	1692.9
40°	1867.9	1597.5	1204.4	1331.6	1245.3	1238.5	1461.1	1586.1	1570.2	1568.0	1624.8
42.5°	1788.4	1445.2	1086.2	1202.1	1177.1	1168.0	1383.9	1508.9	1479.3	1486.1	1558.8
45°	1702.0	1404.4	995.3	1015.7	1106.7	1099.8	1299.8	1420.2	1399.8	1418.0	1492.9
47.5°	1615.7	1322.6	965.8	843.0	1031.7	1029.4	1206.6	1333.9	1322.6	1340.7	1420.2
50°	1497.5	1231.7	963.5	722.6	947.6	956.6	1095.3	1249.9	1249.9	1265.7	1349.8
52.5°	1345.3	1120.3	874.9	654.5	849.9	877.1	997.6	1177.1	1181.6	1197.6	1272.5
55°	1206.6	1004.4	811.2	602.2	734.0	793.1	902.1	1102.1	1111.2	1127.1	1195.2
57.5°	1079.4	836.2	797.6	540.9	627.2	684.0	818.0	1029.4	1033.9	1047.6	1113.5
60°	943.0	604.4	731.7	475.0	534.1	577.2	740.8	943.0	959.0	968.0	1024.9
62.5°	788.5	438.6	663.5	429.5	488.6	497.6	677.2	861.2	881.7	888.5	922.6
65°	561.3	368.2	563.6	390.9	440.9	443.1	609.0	777.1	795.3	806.7	831.7
67.5°	379.5	299.9	429.5	354.5	404.5	406.7	543.1	679.5	704.4	713.6	729.4
70°	263.6	200.0	318.1	315.9	363.6	368.2	472.6	590.8	613.6	620.4	629.5
72.5°	193.1	161.3	263.6	284.1	320.4	325.0	399.9	490.8	513.6	520.4	524.9
75°	147.7	170.5	213.6	247.7	272.7	275.0	327.2	399.9	415.9	420.4	422.7
77.5°	118.2	159.1	156.8	200.0	222.7	218.2	256.8	309.1	322.7	322.7	322.7
80°	88.6	125.0	118.2	143.2	163.6	159.1	184.1	220.4	225.0	229.5	227.2
82.5°	65.9	79.5	79.5	90.9	109.0	104.6	122.7	143.2	143.2	143.2	147.7
85°	40.9	45.5	36.3	47.7	61.3	59.1	68.1	77.3	79.5	79.5	75.0
87.5°	25.0	20.4	11.4	18.2	27.3	27.3	31.8	34.1	31.8	31.8	31.8
90°	18.1	12.5	7.0	12.5	18.1	19.4	30.5	45.4	52.8	46.9	35.2
92.5°	122.4	75.1	27.8	75.1	122.4	134.2	188.6	261.3	297.6	260.8	187.3
95°	239.8	153.3	66.8	153.3	239.8	261.4	464.2	734.7	869.9	776.2	588.9
97.5°	268.1	191.7	115.4	191.7	268.1	287.1	625.3	1076.3	1301.7	1242.5	1124.2
100°	291.4	222.2	153.0	222.2	291.4	308.7	683.9	1184.3	1434.5	1438.8	1447.5
102.5°	314.2	249.5	185.0	249.5	314.2	330.3	710.9	1218.3	1472.0	1547.4	1698.2
105°	348.5	293.9	239.2	293.9	348.5	362.2	730.8	1222.2	1467.9	1636.9	1975.0
107.5°	396.8	345.8	294.8	345.8	396.8	409.5	734.5	1167.8	1384.4	1620.2	2091.8
110°	424.4	378.4	332.3	378.4	424.4	435.9	728.9	1119.5	1314.9	1578.4	2105.7



TEST NUMBER: P935762

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	457.0	413.1	369.2	413.1	457.0	468.0	729.1	1077.4	1251.6	1521.3	2060.9
115°	505.9	465.3	424.8	465.3	505.9	516.0	735.9	1029.2	1175.8	1435.7	1955.5
117.5°	553.3	516.6	479.8	516.6	553.3	562.5	749.6	998.9	1123.6	1358.2	1827.3
120°	581.0	546.4	511.8	546.4	581.0	589.7	760.7	988.7	1102.8	1317.1	1745.7
122.5°	612.9	578.0	543.1	578.0	612.9	621.6	776.7	983.4	1086.8	1279.8	1665.8
125°	654.7	622.9	591.0	622.9	654.7	662.6	798.3	979.0	1069.5	1233.4	1561.2
127.5°	694.2	662.1	629.9	662.1	694.2	702.3	819.8	976.5	1054.9	1195.6	1477.2
130°	720.0	685.5	650.8	685.5	720.0	728.7	835.5	977.9	1049.2	1174.6	1425.2
132.5°	741.6	707.0	672.4	707.0	741.6	750.3	848.3	979.0	1044.4	1156.6	1380.9
135°	767.4	735.9	704.3	735.9	767.4	775.3	862.2	978.1	1036.1	1130.0	1317.9
137.5°	799.5	768.3	737.0	768.3	799.5	807.3	883.0	984.1	1034.6	1114.0	1272.9
140°	821.6	792.9	764.1	792.9	821.6	828.8	895.8	985.1	1029.8	1098.4	1235.6
142.5°	838.2	811.6	785.0	811.6	838.2	844.8	906.5	988.7	1029.8	1090.0	1210.6
145°	863.3	840.2	817.0	840.2	863.3	869.2	920.4	988.7	1022.8	1072.1	1170.7
147.5°	894.1	871.6	849.0	871.6	894.1	899.8	940.8	995.5	1022.8	1061.6	1139.2
150°	910.6	890.3	869.9	890.3	910.6	915.7	951.4	999.0	1022.8	1055.6	1121.1
152.5°	922.4	906.9	891.4	906.9	922.4	926.2	958.4	1001.3	1022.8	1050.7	1106.7
155°	946.3	934.9	923.4	934.9	946.3	949.1	973.7	1006.4	1022.8	1045.1	1089.6
157.5°	969.3	958.2	947.1	958.2	969.3	972.0	989.0	1011.5	1022.8	1040.1	1074.7
160°	980.4	971.7	963.0	971.7	980.4	982.5	995.9	1013.9	1022.8	1037.7	1067.3
162.5°	992.0	985.5	979.0	985.5	992.0	993.6	1003.4	1016.4	1022.8	1035.3	1060.3
165°	1008.2	1002.3	996.4	1002.3	1008.2	1009.6	1014.0	1019.8	1022.8	1031.8	1049.8
167.5°	1018.0	1015.2	1012.4	1015.2	1018.0	1018.7	1022.4	1027.3	1029.8	1035.7	1047.4
170°	1028.4	1025.6	1022.8	1025.6	1028.4	1029.1	1029.3	1029.6	1029.8	1035.7	1047.4
172.5°	1029.6	1029.0	1028.4	1029.0	1029.6	1029.8	1029.8	1029.8	1029.8	1034.4	1043.7
175°	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1034.0	1031.2	1029.8	1032.7	1038.7
177.5°	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1034.4	1032.2	1031.1	1033.5	1038.1
180°	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1



TEST NUMBER: P935762

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-6-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9	2401.9
2.5°	2317.9	2311.1	2320.1	2295.1	2320.1	2311.1	2317.9	2333.7	2320.1	2329.2	2338.3
5°	2033.8	2022.4	1986.1	1956.5	1986.1	2022.4	2033.8	2081.5	2104.3	2145.2	2199.7
7.5°	1817.9	1808.8	1799.8	1781.6	1799.8	1808.8	1817.9	1831.5	1854.3	1890.6	1931.5
10°	1770.2	1772.4	1786.1	1783.8	1786.1	1772.4	1770.2	1765.6	1758.8	1765.6	1790.6
12.5°	1893.0	1913.4	1988.4	1983.8	1988.4	1913.4	1893.0	1802.0	1740.7	1729.3	1733.9
15°	2033.8	2040.6	2056.5	2058.8	2056.5	2040.6	2033.8	1997.4	1813.4	1733.9	1708.9
17.5°	2047.4	2049.7	2061.1	2061.1	2061.1	2049.7	2047.4	2031.6	1970.1	1863.4	1722.5
20°	2036.1	2040.6	2063.3	2067.9	2063.3	2040.6	2036.1	2015.6	1981.5	1942.9	1836.1
22.5°	2031.6	2040.6	2058.8	2056.5	2058.8	2040.6	2031.6	1999.7	1970.1	1942.9	1899.8
25°	2008.8	2008.8	2011.0	2013.4	2011.0	2008.8	2008.8	1983.8	1924.7	1917.9	1893.0
27.5°	1961.1	1965.7	1979.3	1977.0	1979.3	1965.7	1961.1	1952.0	1888.4	1881.6	1863.4
30°	1917.9	1913.4	1902.0	1893.0	1902.0	1913.4	1917.9	1904.2	1840.7	1822.5	1827.0
32.5°	1845.2	1833.9	1822.5	1815.7	1822.5	1833.9	1845.2	1840.7	1793.0	1768.0	1772.4
35°	1758.8	1761.1	1758.8	1752.0	1758.8	1761.1	1758.8	1763.4	1733.9	1711.1	1708.9
37.5°	1697.5	1702.0	1699.7	1690.7	1699.7	1702.0	1697.5	1692.9	1652.0	1645.2	1649.8
40°	1633.9	1636.1	1633.9	1627.1	1633.9	1636.1	1633.9	1624.8	1568.0	1570.2	1586.1
42.5°	1572.5	1570.2	1563.4	1558.8	1563.4	1570.2	1572.5	1558.8	1486.1	1479.3	1508.9
45°	1502.1	1504.3	1490.7	1483.9	1490.7	1504.3	1502.1	1492.9	1418.0	1399.8	1420.2
47.5°	1431.6	1431.6	1420.2	1413.4	1420.2	1431.6	1431.6	1420.2	1340.7	1322.6	1333.9
50°	1356.7	1354.3	1338.5	1336.2	1338.5	1354.3	1356.7	1349.8	1265.7	1249.9	1249.9
52.5°	1270.3	1270.3	1272.5	1277.1	1272.5	1270.3	1270.3	1272.5	1197.6	1181.6	1177.1
55°	1195.2	1197.6	1213.5	1218.0	1213.5	1197.6	1195.2	1195.2	1127.1	1111.2	1102.1
57.5°	1118.1	1118.1	1129.3	1129.3	1129.3	1118.1	1118.1	1113.5	1047.6	1033.9	1029.4
60°	1029.4	1033.9	1043.0	1040.8	1043.0	1033.9	1029.4	1024.9	968.0	959.0	943.0
62.5°	936.2	940.8	943.0	938.5	943.0	940.8	936.2	922.6	888.5	881.7	861.2
65°	838.5	843.0	845.4	840.8	845.4	843.0	838.5	831.7	806.7	795.3	777.1
67.5°	738.5	736.2	734.0	743.1	734.0	736.2	738.5	729.4	713.6	704.4	679.5
70°	636.3	636.3	634.0	638.5	634.0	636.3	636.3	629.5	620.4	613.6	590.8
72.5°	527.2	524.9	534.1	527.2	534.1	524.9	527.2	524.9	520.4	513.6	490.8
75°	420.4	424.9	420.4	427.2	420.4	424.9	420.4	422.7	420.4	415.9	399.9
77.5°	320.4	325.0	320.4	320.4	320.4	325.0	320.4	322.7	322.7	322.7	309.1
80°	227.2	225.0	225.0	222.7	225.0	225.0	227.2	227.2	229.5	225.0	220.4
82.5°	145.4	143.2	143.2	147.7	143.2	143.2	145.4	147.7	143.2	143.2	143.2
85°	79.5	81.8	77.3	77.3	77.3	81.8	79.5	75.0	79.5	79.5	77.3
87.5°	29.5	27.3	27.3	27.3	27.3	27.3	29.5	31.8	31.8	31.8	34.1
90°	26.4	26.4	26.4	26.4	26.4	26.4	26.4	35.2	46.9	52.8	45.4
92.5°	132.1	126.9	105.8	84.8	105.8	126.9	132.1	187.3	260.8	297.6	261.3
95°	448.5	432.5	368.9	305.2	368.9	432.5	448.5	588.9	776.2	869.9	734.7
97.5°	1035.3	1005.1	883.9	762.8	883.9	1005.1	1035.3	1124.2	1242.5	1301.7	1076.3
100°	1453.9	1417.8	1273.6	1129.3	1273.6	1417.8	1453.9	1447.5	1438.8	1434.5	1184.3
102.5°	1811.3	1780.4	1656.8	1533.2	1656.8	1780.4	1811.3	1698.2	1547.4	1472.0	1218.3
105°	2228.5	2211.9	2145.4	2079.0	2145.4	2211.9	2228.5	1975.0	1636.9	1467.9	1222.2
107.5°	2445.5	2449.5	2465.5	2481.6	2465.5	2449.5	2445.5	2091.8	1620.2	1384.4	1167.8
110°	2501.1	2518.4	2587.6	2656.8	2587.6	2518.4	2501.1	2105.7	1578.4	1314.9	1119.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2465.6	2492.2	2598.5	2704.8	2598.5	2492.2	2465.6	2060.9	1521.3	1251.6	1077.4
115°	2345.4	2382.2	2529.6	2677.0	2529.6	2382.2	2345.4	1955.5	1435.7	1175.8	1029.2
117.5°	2179.2	2220.0	2383.5	2547.0	2383.5	2220.0	2179.2	1827.3	1358.2	1123.6	998.9
120°	2067.2	2106.9	2265.8	2424.6	2265.8	2106.9	2067.2	1745.7	1317.1	1102.8	988.7
122.5°	1955.3	1994.4	2151.1	2307.8	2151.1	1994.4	1955.3	1665.8	1279.8	1086.8	983.4
125°	1807.2	1843.3	1987.6	2131.9	1987.6	1843.3	1807.2	1561.2	1233.4	1069.5	979.0
127.5°	1688.3	1718.7	1840.5	1962.3	1840.5	1718.7	1688.3	1477.2	1195.6	1054.9	976.5
130°	1613.2	1641.3	1753.8	1866.3	1753.8	1641.3	1613.2	1425.2	1174.6	1049.2	977.9
132.5°	1549.2	1574.3	1675.1	1775.9	1675.1	1574.3	1549.2	1380.9	1156.6	1044.4	979.0
135°	1458.8	1480.5	1567.3	1654.2	1567.3	1480.5	1458.8	1317.9	1130.0	1036.1	978.1
137.5°	1392.0	1409.8	1480.8	1551.9	1480.8	1409.8	1392.0	1272.9	1114.0	1034.6	984.1
140°	1338.5	1355.1	1421.6	1488.0	1421.6	1355.1	1338.5	1235.6	1098.4	1029.8	985.1
142.5°	1301.0	1315.3	1372.4	1429.6	1372.4	1315.3	1301.0	1210.6	1090.0	1029.8	988.7
145°	1244.7	1255.5	1298.7	1342.0	1298.7	1255.5	1244.7	1170.7	1072.1	1022.8	988.7
147.5°	1197.4	1206.3	1242.2	1278.1	1242.2	1206.3	1197.4	1139.2	1061.6	1022.8	995.5
150°	1170.3	1177.5	1206.6	1235.6	1206.6	1177.5	1170.3	1121.1	1055.6	1022.8	999.0
152.5°	1148.7	1154.1	1176.1	1198.0	1176.1	1154.1	1148.7	1106.7	1050.7	1022.8	1001.3
155°	1123.0	1126.7	1141.2	1155.7	1141.2	1126.7	1123.0	1089.6	1045.1	1022.8	1006.4
157.5°	1100.7	1103.2	1113.4	1123.6	1113.4	1103.2	1100.7	1074.7	1040.1	1022.8	1011.5
160°	1089.6	1091.0	1096.9	1102.8	1096.9	1091.0	1089.6	1067.3	1037.7	1022.8	1013.9
162.5°	1079.1	1080.6	1086.1	1091.7	1086.1	1080.6	1079.1	1060.3	1035.3	1022.8	1016.4
165°	1063.2	1064.6	1070.5	1076.3	1070.5	1064.6	1063.2	1049.8	1031.8	1022.8	1019.8
167.5°	1056.2	1056.8	1059.2	1061.8	1059.2	1056.8	1056.2	1047.4	1035.7	1029.8	1027.3
170°	1056.2	1056.2	1056.2	1056.2	1056.2	1056.2	1056.2	1047.4	1035.7	1029.8	1029.6
172.5°	1050.6	1050.1	1048.0	1045.8	1048.0	1050.1	1050.6	1043.7	1034.4	1029.8	1029.8
175°	1043.0	1043.0	1043.0	1043.0	1043.0	1043.0	1043.0	1038.7	1032.7	1029.8	1031.2
177.5°	1041.6	1041.0	1038.6	1036.1	1038.6	1041.0	1041.6	1038.1	1033.5	1031.1	1032.2
180°	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2401.9	2401.9	2401.9	2401.9	2401.9
2.5°	2372.4	2383.8	2390.6	2399.7	2422.4
5°	2281.5	2324.7	2338.3	2372.4	2413.3
7.5°	2081.5	2213.3	2249.7	2331.5	2395.1
10°	1888.4	2020.2	2083.8	2277.0	2372.4
12.5°	1790.6	1867.9	1911.1	2181.5	2340.6
15°	1729.3	1783.8	1815.7	2054.3	2304.3
17.5°	1681.6	1720.3	1742.9	1929.3	2254.2
20°	1652.0	1670.2	1690.7	1838.3	2197.5
22.5°	1631.6	1620.2	1636.1	1774.8	2120.2
25°	1617.9	1574.8	1592.9	1724.7	2029.2
27.5°	1629.3	1533.8	1540.7	1679.3	1933.8
30°	1631.6	1483.9	1486.1	1631.6	1827.0
32.5°	1615.7	1431.6	1433.9	1572.5	1706.6
35°	1577.1	1370.3	1367.9	1504.3	1543.0
37.5°	1524.8	1304.4	1304.4	1429.4	1363.5
40°	1461.1	1238.5	1245.3	1331.6	1204.4
42.5°	1383.9	1168.0	1177.1	1202.1	1086.2
45°	1299.8	1099.8	1106.7	1015.7	995.3
47.5°	1206.6	1029.4	1031.7	843.0	965.8
50°	1095.3	956.6	947.6	722.6	963.5
52.5°	997.6	877.1	849.9	654.5	874.9
55°	902.1	793.1	734.0	602.2	811.2
57.5°	818.0	684.0	627.2	540.9	797.6
60°	740.8	577.2	534.1	475.0	731.7
62.5°	677.2	497.6	488.6	429.5	663.5
65°	609.0	443.1	440.9	390.9	563.6
67.5°	543.1	406.7	404.5	354.5	429.5
70°	472.6	368.2	363.6	315.9	318.1
72.5°	399.9	325.0	320.4	284.1	263.6
75°	327.2	275.0	272.7	247.7	213.6
77.5°	256.8	218.2	222.7	200.0	156.8
80°	184.1	159.1	163.6	143.2	118.2
82.5°	122.7	104.6	109.0	90.9	79.5
85°	68.1	59.1	61.3	47.7	36.3
87.5°	31.8	27.3	27.3	18.2	11.4
90°	30.5	19.4	18.1	12.5	7.0
92.5°	188.6	134.2	122.4	75.1	27.8
95°	464.2	261.4	239.8	153.3	66.8
97.5°	625.3	287.1	268.1	191.7	115.4
100°	683.9	308.7	291.4	222.2	153.0
102.5°	710.9	330.3	314.2	249.5	185.0
105°	730.8	362.2	348.5	293.9	239.2
107.5°	734.5	409.5	396.8	345.8	294.8
110°	728.9	435.9	424.4	378.4	332.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	729.1	468.0	457.0	413.1	369.2
115°	735.9	516.0	505.9	465.3	424.8
117.5°	749.6	562.5	553.3	516.6	479.8
120°	760.7	589.7	581.0	546.4	511.8
122.5°	776.7	621.6	612.9	578.0	543.1
125°	798.3	662.6	654.7	622.9	591.0
127.5°	819.8	702.3	694.2	662.1	629.9
130°	835.5	728.7	720.0	685.5	650.8
132.5°	848.3	750.3	741.6	707.0	672.4
135°	862.2	775.3	767.4	735.9	704.3
137.5°	883.0	807.3	799.5	768.3	737.0
140°	895.8	828.8	821.6	792.9	764.1
142.5°	906.5	844.8	838.2	811.6	785.0
145°	920.4	869.2	863.3	840.2	817.0
147.5°	940.8	899.8	894.1	871.6	849.0
150°	951.4	915.7	910.6	890.3	869.9
152.5°	958.4	926.2	922.4	906.9	891.4
155°	973.7	949.1	946.3	934.9	923.4
157.5°	989.0	972.0	969.3	958.2	947.1
160°	995.9	982.5	980.4	971.7	963.0
162.5°	1003.4	993.6	992.0	985.5	979.0
165°	1014.0	1009.6	1008.2	1002.3	996.4
167.5°	1022.4	1018.7	1018.0	1015.2	1012.4
170°	1029.3	1029.1	1028.4	1025.6	1022.8
172.5°	1029.8	1029.8	1029.6	1029.0	1028.4
175°	1034.0	1036.1	1036.1	1036.1	1036.1
177.5°	1034.4	1036.1	1036.1	1036.1	1036.1
180°	1036.1	1036.1	1036.1	1036.1	1036.1



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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	14.00	14.85	14.98	15.83	17.13	16.83	17.67	17.80	18.66	19.96
	3H	14.48	15.24	15.46	16.23	17.55	18.17	18.93	19.15	19.92	21.24
	4H	14.67	15.39	15.67	16.39	17.71	18.61	19.33	19.61	20.33	21.66
	6H	14.79	15.45	15.80	16.45	17.79	18.89	19.55	19.90	20.56	21.90
	8H	14.79	15.42	15.80	16.44	17.77	18.97	19.60	19.98	20.62	21.95
	12H	14.76	15.36	15.78	16.37	17.73	19.01	19.60	20.02	20.62	21.98
4H	2H	15.03	15.75	16.04	16.75	18.08	17.23	17.95	18.24	18.95	20.28
	3H	16.06	16.65	17.07	17.68	19.02	18.74	19.33	19.75	20.36	21.70
	4H	16.33	16.88	17.35	17.90	19.26	19.26	19.81	20.28	20.83	22.19
	6H	16.46	16.93	17.49	17.97	19.33	19.63	20.10	20.66	21.14	22.50
	8H	16.46	16.90	17.50	17.94	19.31	19.73	20.17	20.76	21.21	22.58
	12H	16.43	16.83	17.48	17.88	19.26	19.79	20.18	20.84	21.23	22.62
8H	4H	16.78	17.22	17.82	18.26	19.64	19.39	19.83	20.42	20.86	22.24
	6H	17.05	17.41	18.10	18.49	19.86	19.82	20.18	20.88	21.26	22.64
	8H	17.09	17.41	18.15	18.47	19.86	19.97	20.29	21.04	21.35	22.75
	12H	17.07	17.35	18.14	18.41	19.84	20.07	20.35	21.14	21.41	22.84
12H	4H	16.79	17.19	17.84	18.24	19.62	19.35	19.75	20.40	20.80	22.18
	6H	17.11	17.42	18.17	18.49	19.88	19.82	20.14	20.88	21.20	22.59
	8H	17.17	17.45	18.24	18.51	19.95	19.98	20.26	21.05	21.32	22.75