

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: P936072

Luminaire Tested: SQ4-FA-150U-100D-935-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936072
REPORT IS A COMBINATION OF REPORTS P933780 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-100D-935-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

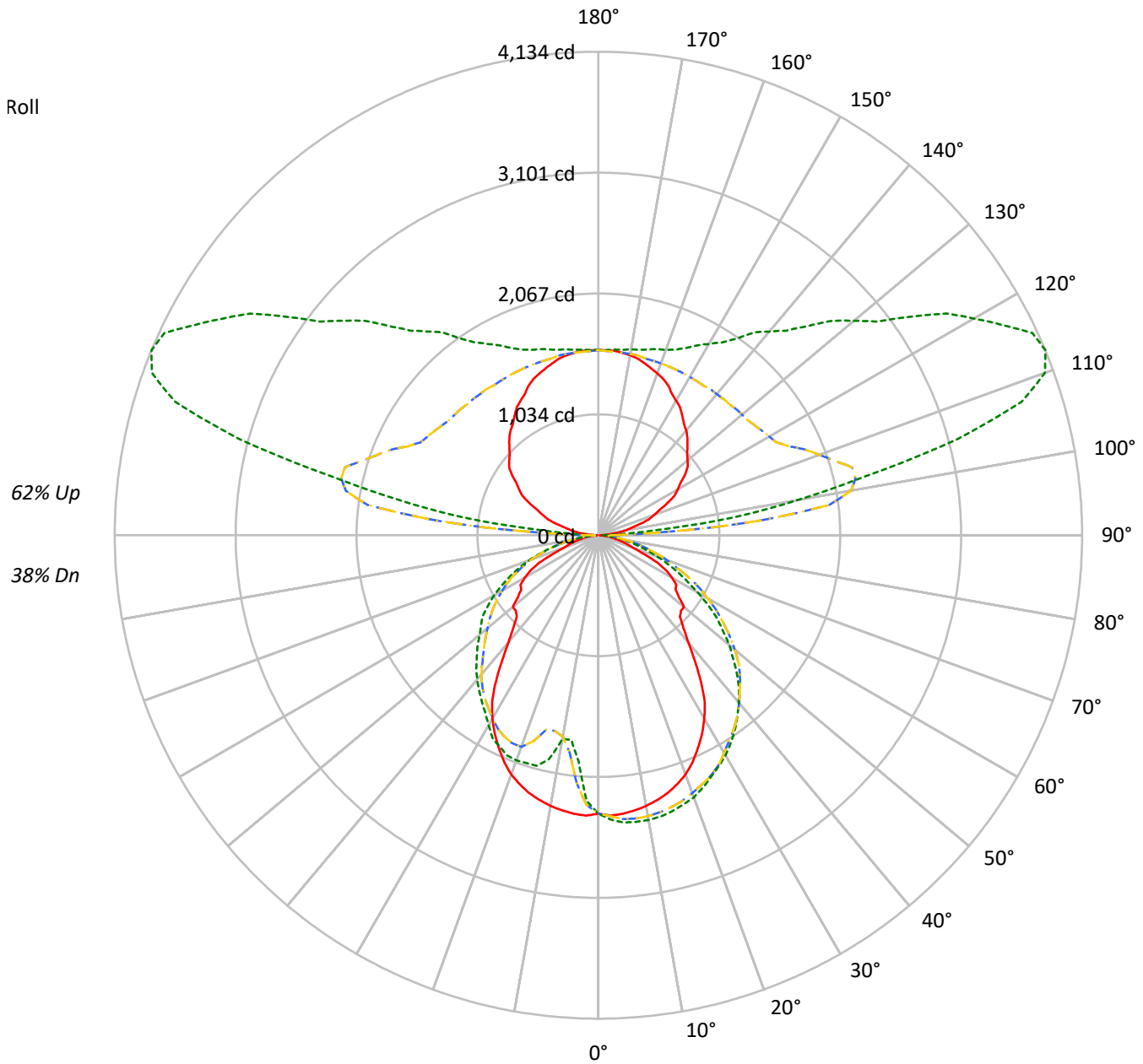
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16441.9 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 144.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - · - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				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	104	104	104	104	94	94	94	94	76	76	76	60	60	60	45	45	45	38				38
1	95	91	87	84	86	83	79	76	67	65	63	53	51	50	40	39	38	32				32
2	87	79	73	68	78	72	67	63	59	55	52	46	44	42	35	33	32	27				27
3	79	70	62	57	71	63	57	52	52	47	44	41	38	35	31	29	27	23				23
4	72	62	54	48	65	56	49	44	46	41	37	36	33	30	28	25	23	19				19
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17				17
6	61	49	41	35	55	45	38	33	37	32	28	29	26	23	22	20	18	15				15
7	56	44	36	31	51	40	34	29	33	28	24	27	23	20	20	18	16	13				13
8	52	40	32	27	47	37	30	25	30	25	21	24	21	18	19	16	14	12				12
9	48	36	29	24	44	33	27	22	28	23	19	22	19	16	17	15	13	10				10
10	45	33	26	21	41	31	24	20	25	21	17	21	17	14	16	13	11	9				9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11041	11041	11041	11041
5°	11124	11146	11124	8764
10°	11049	10979	11049	7849
15°	10929	10741	10929	8969
20°	10700	10459	10700	8988
25°	10233	10048	10233	8797
30°	9628	9707	9628	8379
35°	8583	9275	8583	7919
40°	7152	8767	7152	7572
45°	6390	8172	6390	7173
50°	6789	7463	6789	6772
55°	6388	6699	6388	6541
60°	6585	5690	6585	5991
65°	5969	4703	5969	5257
70°	4134	3748	4134	4407
75°	3624	2771	3624	3318
80°	2922	1831	2922	1995
85°	1677	971	1677	824

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 9794 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.8	1.3
10°-20°	609.9	3.7
20°-30°	942.8	5.7
30°-40°	1125.5	6.8
40°-50°	1132.1	6.9
50°-60°	985.1	6.0
60°-70°	698.4	4.2
70°-80°	369.5	2.2
80°-90°	98.1	0.6
90°-100°	771.9	4.7
100°-110°	2029.4	12.3
110°-120°	2104.3	12.8
120°-130°	1687.9	10.3
130°-140°	1324.4	8.1
140°-150°	1016.5	6.2
150°-160°	732.1	4.5
160°-170°	447.9	2.7
170°-180°	151.3	0.9
0°-30°	1767.5	10.8
0°-40°	2893.0	17.6
0°-60°	5010.2	30.5
0°-90°	6176.2	37.6
90°-120°	4905.6	29.8
90°-150°	8934.4	54.3
90°-180°	10266.0	62.4
0°-180°	16441.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2380	2380	2380	2380	2380	
5°	2391	2465	2391	1938	2391	227
15°	2283	2443	2283	2040	2283	642
25°	2010	2278	2010	1995	2010	923
35°	1529	2033	1529	1736	1529	946
45°	986	1675	986	1470	986	790
55°	804	1236	804	1207	804	739
65°	558	745	558	833	558	534
75°	212	354	212	423	212	222
85°	36	90	36	76	36	49
90°	11	40	11	40	11	10
95°	102	467	102	467	102	113
105°	366	3178	366	3178	366	388
115°	649	4092	649	4092	649	641
125°	903	3259	903	3259	903	802
135°	1077	2528	1077	2528	1077	833
145°	1249	2051	1249	2051	1249	782
155°	1411	1766	1411	1766	1411	648
165°	1523	1645	1523	1645	1523	430
175°	1584	1594	1584	1594	1584	150
180°	1584	1584	1584	1584	1584	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7
2.5°	2400.0	2400.0	2413.5	2418.0	2418.0	2411.2	2404.5	2411.2	2431.5	2438.3	2436.0
5°	2391.0	2408.9	2433.7	2438.3	2442.8	2440.5	2436.0	2440.5	2463.0	2467.6	2469.8
7.5°	2373.0	2406.7	2438.3	2445.0	2451.8	2445.0	2442.8	2447.3	2469.8	2474.3	2474.3
10°	2350.4	2397.7	2433.7	2438.3	2445.0	2438.3	2438.3	2447.3	2469.8	2474.3	2476.5
12.5°	2318.9	2384.2	2418.0	2422.5	2431.5	2429.2	2427.0	2436.0	2458.5	2463.0	2463.0
15°	2282.9	2359.4	2391.0	2395.5	2411.2	2406.7	2406.7	2415.8	2440.5	2447.3	2445.0
17.5°	2233.3	2327.9	2364.0	2370.7	2381.9	2379.7	2381.9	2391.0	2413.5	2418.0	2420.3
20°	2177.1	2285.1	2327.9	2334.7	2346.0	2346.0	2346.0	2357.2	2379.7	2388.8	2388.8
22.5°	2100.5	2240.2	2285.1	2289.7	2303.1	2303.1	2307.6	2323.4	2343.7	2346.0	2346.0
25°	2010.5	2190.6	2228.8	2242.4	2255.9	2262.7	2269.4	2278.4	2285.1	2282.9	2285.1
27.5°	1915.9	2127.5	2177.1	2186.1	2204.1	2210.9	2219.9	2222.1	2224.4	2231.1	2226.6
30°	1810.1	2039.8	2114.1	2123.1	2152.3	2156.8	2147.8	2152.3	2163.6	2168.1	2172.6
32.5°	1690.8	1909.2	2048.8	2069.0	2096.0	2082.5	2080.2	2087.1	2105.0	2105.0	2109.6
35°	1528.7	1807.9	1988.0	2005.9	2026.2	2010.5	2019.5	2021.7	2033.0	2039.8	2037.5
37.5°	1350.8	1720.0	1924.9	1938.5	1954.2	1934.0	1947.4	1954.2	1963.2	1958.7	1958.7
40°	1193.2	1582.8	1850.6	1859.7	1873.1	1857.4	1870.9	1875.4	1879.9	1875.4	1873.1
42.5°	1076.2	1431.9	1771.8	1783.1	1774.1	1785.4	1789.9	1798.8	1792.1	1783.1	1783.1
45°	986.1	1391.3	1686.3	1699.8	1686.3	1704.3	1711.1	1711.1	1690.8	1686.3	1684.1
47.5°	956.9	1310.3	1600.7	1600.7	1594.0	1616.5	1627.7	1612.0	1591.7	1585.0	1585.0
50°	954.6	1220.2	1483.7	1474.6	1506.2	1533.2	1521.9	1506.2	1490.4	1465.6	1465.6
52.5°	866.8	1109.9	1332.8	1366.6	1416.1	1431.9	1413.9	1398.1	1371.1	1359.9	1350.8
55°	803.8	995.1	1195.5	1263.0	1314.8	1335.1	1301.3	1285.6	1245.0	1238.3	1233.8
57.5°	790.2	828.5	1069.4	1155.0	1218.0	1215.7	1195.5	1166.2	1132.5	1125.7	1123.4
60°	725.0	598.9	934.3	1035.6	1101.0	1094.1	1076.2	1049.2	1017.6	1013.1	1008.6
62.5°	657.4	434.5	781.2	896.0	988.3	986.1	970.3	929.8	907.3	896.0	887.0
65°	558.3	364.7	556.1	745.2	878.1	882.5	848.8	819.5	794.7	781.2	779.0
67.5°	425.5	297.2	376.0	621.4	772.3	767.7	725.0	711.4	679.9	673.2	659.6
70°	315.2	198.1	261.1	504.3	668.6	657.4	623.7	607.9	578.6	562.8	553.8
72.5°	261.1	159.8	191.4	391.7	562.8	549.4	520.1	502.1	477.3	463.7	454.8
75°	211.6	168.9	146.4	290.4	457.0	448.1	421.0	403.0	382.7	364.7	367.0
77.5°	155.3	157.6	117.1	213.9	362.4	349.0	333.2	310.7	301.7	283.7	283.7
80°	117.1	123.8	87.8	146.4	261.1	261.1	247.7	231.9	216.2	207.1	207.1
82.5°	78.8	78.8	65.3	92.3	177.9	171.1	162.1	157.6	148.6	144.1	144.1
85°	36.0	45.0	40.6	56.3	96.8	101.3	101.3	96.8	94.6	90.1	92.3
87.5°	11.2	20.3	24.8	31.5	49.5	51.8	54.0	54.0	54.0	56.3	56.3
90°	10.6	19.2	27.6	29.7	46.8	69.4	80.8	71.8	53.8	40.4	40.4
92.5°	42.5	114.8	187.1	205.2	288.4	399.4	454.9	398.7	286.3	201.9	193.9
95°	102.1	234.3	366.5	399.6	709.5	1122.9	1329.5	1186.4	900.2	685.5	661.2
97.5°	176.4	293.1	409.8	439.0	955.9	1645.0	1989.6	1899.1	1718.2	1582.5	1536.2
100°	233.8	339.6	445.4	471.9	1045.5	1810.2	2192.5	2199.2	2212.4	2222.3	2167.1
102.5°	282.7	381.4	480.1	504.8	1086.6	1862.1	2250.0	2365.2	2595.7	2768.6	2721.4
105°	365.6	449.2	532.8	553.7	1117.0	1868.0	2243.6	2502.0	3018.7	3406.3	3380.9
107.5°	450.6	528.6	606.5	626.0	1122.7	1784.9	2116.0	2476.4	3197.3	3737.9	3744.0
110°	508.0	578.4	648.8	666.3	1114.2	1711.2	2009.8	2412.7	3218.5	3822.9	3849.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	564.4	631.4	698.5	715.3	1114.5	1646.8	1913.0	2325.4	3150.1	3768.7	3809.3
115°	649.4	711.2	773.1	788.6	1124.8	1573.0	1797.2	2194.4	2988.9	3584.8	3641.1
117.5°	733.3	789.5	845.8	859.8	1145.7	1526.9	1717.5	2076.0	2793.0	3330.8	3393.3
120°	782.2	835.1	888.0	901.2	1162.7	1511.3	1685.6	2013.2	2668.4	3159.7	3220.4
122.5°	830.0	883.4	936.8	950.2	1187.2	1503.2	1661.1	1956.1	2546.1	2988.6	3048.5
125°	903.4	952.0	1000.7	1012.9	1220.1	1496.4	1634.6	1885.1	2386.3	2762.2	2817.3
127.5°	962.9	1012.0	1061.2	1073.4	1253.0	1492.5	1612.2	1827.4	2257.7	2580.5	2627.0
130°	994.8	1047.7	1100.6	1113.8	1277.1	1494.8	1603.7	1795.2	2178.4	2465.7	2508.7
132.5°	1027.8	1080.7	1133.6	1146.8	1296.7	1496.5	1596.3	1767.7	2110.7	2367.9	2406.4
135°	1076.6	1124.8	1173.0	1185.0	1317.9	1495.0	1583.5	1727.2	2014.4	2229.8	2262.9
137.5°	1126.6	1174.3	1221.9	1233.9	1349.7	1504.2	1581.5	1702.9	1945.6	2127.7	2154.9
140°	1168.0	1212.0	1255.8	1266.8	1369.2	1505.7	1574.0	1678.9	1888.6	2045.9	2071.3
142.5°	1199.9	1240.5	1281.2	1291.3	1385.5	1511.2	1574.0	1666.1	1850.3	1988.5	2010.3
145°	1248.8	1284.2	1319.7	1328.5	1406.8	1511.2	1563.3	1638.7	1789.4	1902.4	1919.0
147.5°	1297.7	1332.2	1366.7	1375.3	1438.0	1521.6	1563.3	1622.6	1741.1	1830.1	1843.8
150°	1329.5	1360.7	1391.9	1399.7	1454.2	1527.0	1563.3	1613.4	1713.5	1788.7	1799.8
152.5°	1362.5	1386.1	1409.8	1415.7	1464.9	1530.5	1563.3	1606.1	1691.6	1755.7	1764.1
155°	1411.4	1428.9	1446.4	1450.7	1488.3	1538.3	1563.3	1597.3	1665.4	1716.4	1722.0
157.5°	1447.5	1464.6	1481.5	1485.8	1511.6	1546.1	1563.3	1589.8	1642.7	1682.4	1686.4
160°	1472.0	1485.2	1498.4	1501.7	1522.3	1549.6	1563.3	1586.0	1631.4	1665.4	1667.6
162.5°	1496.5	1506.3	1516.3	1518.8	1533.6	1553.5	1563.3	1582.5	1620.8	1649.5	1651.6
165°	1523.0	1531.9	1540.9	1543.1	1549.9	1558.8	1563.3	1577.1	1604.5	1625.0	1627.2
167.5°	1547.4	1551.7	1555.9	1557.0	1562.7	1570.2	1574.0	1582.9	1600.9	1614.4	1615.3
170°	1563.3	1567.6	1571.9	1573.0	1573.3	1573.7	1574.0	1582.9	1600.9	1614.4	1614.4
172.5°	1571.9	1572.8	1573.7	1574.0	1574.0	1574.0	1574.0	1581.1	1595.2	1605.8	1605.0
175°	1583.5	1583.5	1583.5	1583.5	1580.4	1576.1	1574.0	1578.5	1587.4	1594.2	1594.2
177.5°	1583.5	1583.5	1583.5	1583.5	1581.1	1577.7	1576.1	1579.7	1586.8	1592.0	1591.1
180°	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7
2.5°	2440.5	2433.7	2440.5	2436.0	2438.3	2431.5	2411.2	2404.5	2411.2	2418.0	2418.0
5°	2469.8	2465.3	2469.8	2469.8	2467.6	2463.0	2440.5	2436.0	2440.5	2442.8	2438.3
7.5°	2478.8	2472.0	2478.8	2474.3	2474.3	2469.8	2447.3	2442.8	2445.0	2451.8	2445.0
10°	2478.8	2472.0	2478.8	2476.5	2474.3	2469.8	2447.3	2438.3	2438.3	2445.0	2438.3
12.5°	2467.6	2463.0	2467.6	2463.0	2463.0	2458.5	2436.0	2427.0	2429.2	2431.5	2422.5
15°	2449.5	2442.8	2449.5	2445.0	2447.3	2440.5	2415.8	2406.7	2406.7	2411.2	2395.5
17.5°	2422.5	2413.5	2422.5	2420.3	2418.0	2413.5	2391.0	2381.9	2379.7	2381.9	2370.7
20°	2391.0	2384.2	2391.0	2388.8	2388.8	2379.7	2357.2	2346.0	2346.0	2346.0	2334.7
22.5°	2341.5	2334.7	2341.5	2346.0	2346.0	2343.7	2323.4	2307.6	2303.1	2303.1	2289.7
25°	2285.1	2278.4	2285.1	2285.1	2282.9	2285.1	2278.4	2269.4	2262.7	2255.9	2242.4
27.5°	2231.1	2226.6	2231.1	2226.6	2231.1	2224.4	2222.1	2219.9	2210.9	2204.1	2186.1
30°	2177.1	2172.6	2177.1	2172.6	2168.1	2163.6	2152.3	2147.8	2156.8	2152.3	2123.1
32.5°	2109.6	2105.0	2109.6	2109.6	2105.0	2105.0	2087.1	2080.2	2082.5	2096.0	2069.0
35°	2039.8	2033.0	2039.8	2037.5	2039.8	2033.0	2021.7	2019.5	2010.5	2026.2	2005.9
37.5°	1958.7	1951.9	1958.7	1958.7	1958.7	1963.2	1954.2	1947.4	1934.0	1954.2	1938.5
40°	1875.4	1866.4	1875.4	1873.1	1875.4	1879.9	1875.4	1870.9	1857.4	1873.1	1859.7
42.5°	1780.9	1778.6	1780.9	1783.1	1783.1	1792.1	1798.8	1789.9	1785.4	1774.1	1783.1
45°	1679.5	1675.0	1679.5	1684.1	1686.3	1690.8	1711.1	1711.1	1704.3	1686.3	1699.8
47.5°	1571.4	1560.2	1571.4	1585.0	1585.0	1591.7	1612.0	1627.7	1616.5	1594.0	1600.7
50°	1456.7	1458.9	1456.7	1465.6	1465.6	1490.4	1506.2	1521.9	1533.2	1506.2	1474.6
52.5°	1344.1	1341.8	1344.1	1350.8	1359.9	1371.1	1398.1	1413.9	1431.9	1416.1	1366.6
55°	1231.5	1236.0	1231.5	1233.8	1238.3	1245.0	1285.6	1301.3	1335.1	1314.8	1263.0
57.5°	1118.9	1112.2	1118.9	1123.4	1125.7	1132.5	1166.2	1195.5	1215.7	1218.0	1155.0
60°	988.3	979.4	988.3	1008.6	1013.1	1017.6	1049.2	1076.2	1094.1	1101.0	1035.6
62.5°	873.6	857.8	873.6	887.0	896.0	907.3	929.8	970.3	986.1	988.3	896.0
65°	752.0	745.2	752.0	779.0	781.2	794.7	819.5	848.8	882.5	878.1	745.2
67.5°	641.6	641.6	641.6	659.6	673.2	679.9	711.4	725.0	767.7	772.3	621.4
70°	540.3	538.1	540.3	553.8	562.8	578.6	607.9	623.7	657.4	668.6	504.3
72.5°	443.6	441.3	443.6	454.8	463.7	477.3	502.1	520.1	549.4	562.8	391.7
75°	358.0	353.5	358.0	367.0	364.7	382.7	403.0	421.0	448.1	457.0	290.4
77.5°	274.7	274.7	274.7	283.7	283.7	301.7	310.7	333.2	349.0	362.4	213.9
80°	204.9	202.6	204.9	207.1	207.1	216.2	231.9	247.7	261.1	261.1	146.4
82.5°	144.1	139.6	144.1	144.1	144.1	148.6	157.6	162.1	171.1	177.9	92.3
85°	90.1	90.1	90.1	92.3	90.1	94.6	96.8	101.3	101.3	96.8	56.3
87.5°	58.5	56.3	58.5	56.3	56.3	54.0	54.0	54.0	51.8	49.5	31.5
90°	40.4	40.4	40.4	40.4	40.4	53.8	71.8	80.8	69.4	46.8	29.7
92.5°	161.8	129.7	161.8	193.9	201.9	286.3	398.7	454.9	399.4	288.4	205.2
95°	563.9	466.6	563.9	661.2	685.5	900.2	1186.4	1329.5	1122.9	709.5	399.6
97.5°	1351.0	1165.9	1351.0	1536.2	1582.5	1718.2	1899.1	1989.6	1645.0	955.9	439.0
100°	1946.6	1726.0	1946.6	2167.1	2222.3	2212.4	2199.2	2192.5	1810.2	1045.5	471.9
102.5°	2532.4	2343.5	2532.4	2721.4	2768.6	2595.7	2365.2	2250.0	1862.1	1086.6	504.8
105°	3279.3	3177.8	3279.3	3380.9	3406.3	3018.7	2502.0	2243.6	1868.0	1117.0	553.7
107.5°	3768.6	3793.1	3768.6	3744.0	3737.9	3197.3	2476.4	2116.0	1784.9	1122.7	626.0
110°	3955.2	4061.0	3955.2	3849.3	3822.9	3218.5	2412.7	2009.8	1711.2	1114.2	666.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3971.8	4134.2	3971.8	3809.3	3768.7	3150.1	2325.4	1913.0	1646.8	1114.5	715.3
115°	3866.5	4091.7	3866.5	3641.1	3584.8	2988.9	2194.4	1797.2	1573.0	1124.8	788.6
117.5°	3643.2	3893.0	3643.2	3393.3	3330.8	2793.0	2076.0	1717.5	1526.9	1145.7	859.8
120°	3463.2	3705.9	3463.2	3220.4	3159.7	2668.4	2013.2	1685.6	1511.3	1162.7	901.2
122.5°	3288.0	3527.5	3288.0	3048.5	2988.6	2546.1	1956.1	1661.1	1503.2	1187.2	950.2
125°	3038.0	3258.6	3038.0	2817.3	2762.2	2386.3	1885.1	1634.6	1496.4	1220.1	1012.9
127.5°	2813.1	2999.2	2813.1	2627.0	2580.5	2257.7	1827.4	1612.2	1492.5	1253.0	1073.4
130°	2680.6	2852.6	2680.6	2508.7	2465.7	2178.4	1795.2	1603.7	1494.8	1277.1	1113.8
132.5°	2560.3	2714.4	2560.3	2406.4	2367.9	2110.7	1767.7	1596.3	1496.5	1296.7	1146.8
135°	2395.7	2528.4	2395.7	2262.9	2229.8	2014.4	1727.2	1583.5	1495.0	1317.9	1185.0
137.5°	2263.5	2372.1	2263.5	2154.9	2127.7	1945.6	1702.9	1581.5	1504.2	1349.7	1233.9
140°	2172.9	2274.4	2172.9	2071.3	2045.9	1888.6	1678.9	1574.0	1505.7	1369.2	1266.8
142.5°	2097.7	2185.1	2097.7	2010.3	1988.5	1850.3	1666.1	1574.0	1511.2	1385.5	1291.3
145°	1985.1	2051.2	1985.1	1919.0	1902.4	1789.4	1638.7	1563.3	1511.2	1406.8	1328.5
147.5°	1898.6	1953.4	1898.6	1843.8	1830.1	1741.1	1622.6	1563.3	1521.6	1438.0	1375.3
150°	1844.2	1888.6	1844.2	1799.8	1788.7	1713.5	1613.4	1563.3	1527.0	1454.2	1399.7
152.5°	1797.6	1831.2	1797.6	1764.1	1755.7	1691.6	1606.1	1563.3	1530.5	1464.9	1415.7
155°	1744.2	1766.4	1744.2	1722.0	1716.4	1665.4	1597.3	1563.3	1538.3	1488.3	1450.7
157.5°	1701.9	1717.5	1701.9	1686.4	1682.4	1642.7	1589.8	1563.3	1546.1	1511.6	1485.8
160°	1676.7	1685.6	1676.7	1667.6	1665.4	1631.4	1586.0	1563.3	1549.6	1522.3	1501.7
162.5°	1660.0	1668.6	1660.0	1651.6	1649.5	1620.8	1582.5	1563.3	1553.5	1533.6	1518.8
165°	1636.3	1645.2	1636.3	1627.2	1625.0	1604.5	1577.1	1563.3	1558.8	1549.9	1543.1
167.5°	1619.1	1622.9	1619.1	1615.3	1614.4	1600.9	1582.9	1574.0	1570.2	1562.7	1557.0
170°	1614.4	1614.4	1614.4	1614.4	1614.4	1600.9	1582.9	1574.0	1573.7	1573.3	1573.0
172.5°	1601.8	1598.4	1601.8	1605.0	1605.8	1595.2	1581.1	1574.0	1574.0	1574.0	1574.0
175°	1594.2	1594.2	1594.2	1594.2	1594.2	1587.4	1578.5	1574.0	1576.1	1580.4	1583.5
177.5°	1587.3	1583.5	1587.3	1591.1	1592.0	1586.8	1579.7	1576.1	1577.7	1581.1	1583.5
180°	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7
2.5°	2413.5	2400.0	2400.0	2377.5	2368.5	2361.7	2350.4	2316.7	2307.6	2298.7	2312.2
5°	2433.7	2408.9	2391.0	2350.4	2316.7	2303.1	2260.4	2179.3	2125.3	2084.8	2062.3
7.5°	2438.3	2406.7	2373.0	2309.9	2228.8	2192.9	2062.3	1913.7	1873.1	1837.2	1814.6
10°	2433.7	2397.7	2350.4	2255.9	2064.5	2001.5	1870.9	1774.1	1749.3	1742.6	1749.3
12.5°	2418.0	2384.2	2318.9	2161.4	1893.4	1850.6	1774.1	1717.8	1713.3	1724.5	1785.4
15°	2391.0	2359.4	2282.9	2035.3	1798.8	1767.3	1713.3	1693.0	1717.8	1796.6	1978.9
17.5°	2364.0	2327.9	2233.3	1911.5	1726.8	1704.3	1666.0	1706.6	1846.1	1951.9	2012.8
20°	2327.9	2285.1	2177.1	1821.4	1675.0	1654.8	1636.8	1819.1	1924.9	1963.2	1997.0
22.5°	2285.1	2240.2	2100.5	1758.4	1621.0	1605.3	1616.5	1882.2	1924.9	1951.9	1981.2
25°	2228.8	2190.6	2010.5	1708.8	1578.2	1560.2	1603.0	1875.4	1900.1	1906.9	1965.5
27.5°	2177.1	2127.5	1915.9	1663.8	1526.4	1519.7	1614.3	1846.1	1864.2	1870.9	1934.0
30°	2114.1	2039.8	1810.1	1616.5	1472.4	1470.1	1616.5	1810.1	1805.6	1823.6	1886.7
32.5°	2048.8	1909.2	1690.8	1558.0	1420.6	1418.4	1600.7	1756.1	1751.5	1776.3	1823.6
35°	1988.0	1807.9	1528.7	1490.4	1355.4	1357.6	1562.5	1693.0	1695.3	1717.8	1747.1
37.5°	1924.9	1720.0	1350.8	1416.1	1292.3	1292.3	1510.7	1634.5	1630.0	1636.8	1677.2
40°	1850.6	1582.8	1193.2	1319.3	1233.8	1227.0	1447.6	1571.4	1555.7	1553.5	1609.8
42.5°	1771.8	1431.9	1076.2	1191.0	1166.2	1157.2	1371.1	1494.9	1465.6	1472.4	1544.4
45°	1686.3	1391.3	986.1	1006.4	1096.4	1089.7	1287.8	1407.1	1386.9	1404.9	1479.2
47.5°	1600.7	1310.3	956.9	835.3	1022.1	1019.8	1195.5	1321.5	1310.3	1328.4	1407.1
50°	1483.7	1220.2	954.6	715.9	938.8	947.8	1085.2	1238.3	1238.3	1254.1	1337.3
52.5°	1332.8	1109.9	866.8	648.4	842.0	869.0	988.3	1166.2	1170.7	1186.5	1260.8
55°	1195.5	995.1	803.8	596.7	727.2	785.7	893.8	1091.9	1101.0	1116.7	1184.2
57.5°	1069.4	828.5	790.2	535.8	621.4	677.7	810.5	1019.8	1024.4	1037.9	1103.2
60°	934.3	598.9	725.0	470.6	529.1	571.9	733.9	934.3	950.1	959.1	1015.4
62.5°	781.2	434.5	657.4	425.5	484.0	493.1	670.9	853.3	873.6	880.3	914.0
65°	556.1	364.7	558.3	387.2	436.7	439.0	603.4	770.0	788.0	799.3	824.0
67.5°	376.0	297.2	425.5	351.2	400.8	403.0	538.1	673.2	698.0	706.9	722.7
70°	261.1	198.1	315.2	312.9	360.2	364.7	468.3	585.3	607.9	614.6	623.7
72.5°	191.4	159.8	261.1	281.4	317.5	322.0	396.3	486.3	508.8	515.5	520.1
75°	146.4	168.9	211.6	245.4	270.2	272.4	324.2	396.3	412.0	416.5	418.8
77.5°	117.1	157.6	155.3	198.1	220.7	216.2	254.4	306.2	319.7	319.7	319.7
80°	87.8	123.8	117.1	141.9	162.1	157.6	182.3	218.4	222.9	227.4	225.1
82.5°	65.3	78.8	78.8	90.1	108.0	103.6	121.6	141.9	141.9	141.9	146.4
85°	40.6	45.0	36.0	47.3	60.7	58.5	67.6	76.5	78.8	78.8	74.3
87.5°	24.8	20.3	11.2	18.0	27.0	27.0	31.5	33.7	31.5	31.5	31.5
90°	27.6	19.2	10.6	19.2	27.6	29.7	46.8	69.4	80.8	71.8	53.8
92.5°	187.1	114.8	42.5	114.8	187.1	205.2	288.4	399.4	454.9	398.7	286.3
95°	366.5	234.3	102.1	234.3	366.5	399.6	709.5	1122.9	1329.5	1186.4	900.2
97.5°	409.8	293.1	176.4	293.1	409.8	439.0	955.9	1645.0	1989.6	1899.1	1718.2
100°	445.4	339.6	233.8	339.6	445.4	471.9	1045.5	1810.2	2192.5	2199.2	2212.4
102.5°	480.1	381.4	282.7	381.4	480.1	504.8	1086.6	1862.1	2250.0	2365.2	2595.7
105°	532.8	449.2	365.6	449.2	532.8	553.7	1117.0	1868.0	2243.6	2502.0	3018.7
107.5°	606.5	528.6	450.6	528.6	606.5	626.0	1122.7	1784.9	2116.0	2476.4	3197.3
110°	648.8	578.4	508.0	578.4	648.8	666.3	1114.2	1711.2	2009.8	2412.7	3218.5



TEST NUMBER: P936072

CATALOG NUMBER: SQ4-FA-150U-100D-935-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	698.5	631.4	564.4	631.4	698.5	715.3	1114.5	1646.8	1913.0	2325.4	3150.1
115°	773.1	711.2	649.4	711.2	773.1	788.6	1124.8	1573.0	1797.2	2194.4	2988.9
117.5°	845.8	789.5	733.3	789.5	845.8	859.8	1145.7	1526.9	1717.5	2076.0	2793.0
120°	888.0	835.1	782.2	835.1	888.0	901.2	1162.7	1511.3	1685.6	2013.2	2668.4
122.5°	936.8	883.4	830.0	883.4	936.8	950.2	1187.2	1503.2	1661.1	1956.1	2546.1
125°	1000.7	952.0	903.4	952.0	1000.7	1012.9	1220.1	1496.4	1634.6	1885.1	2386.3
127.5°	1061.2	1012.0	962.9	1012.0	1061.2	1073.4	1253.0	1492.5	1612.2	1827.4	2257.7
130°	1100.6	1047.7	994.8	1047.7	1100.6	1113.8	1277.1	1494.8	1603.7	1795.2	2178.4
132.5°	1133.6	1080.7	1027.8	1080.7	1133.6	1146.8	1296.7	1496.5	1596.3	1767.7	2110.7
135°	1173.0	1124.8	1076.6	1124.8	1173.0	1185.0	1317.9	1495.0	1583.5	1727.2	2014.4
137.5°	1221.9	1174.3	1126.6	1174.3	1221.9	1233.9	1349.7	1504.2	1581.5	1702.9	1945.6
140°	1255.8	1212.0	1168.0	1212.0	1255.8	1266.8	1369.2	1505.7	1574.0	1678.9	1888.6
142.5°	1281.2	1240.5	1199.9	1240.5	1281.2	1291.3	1385.5	1511.2	1574.0	1666.1	1850.3
145°	1319.7	1284.2	1248.8	1284.2	1319.7	1328.5	1406.8	1511.2	1563.3	1638.7	1789.4
147.5°	1366.7	1332.2	1297.7	1332.2	1366.7	1375.3	1438.0	1521.6	1563.3	1622.6	1741.1
150°	1391.9	1360.7	1329.5	1360.7	1391.9	1399.7	1454.2	1527.0	1563.3	1613.4	1713.5
152.5°	1409.8	1386.1	1362.5	1386.1	1409.8	1415.7	1464.9	1530.5	1563.3	1606.1	1691.6
155°	1446.4	1428.9	1411.4	1428.9	1446.4	1450.7	1488.3	1538.3	1563.3	1597.3	1665.4
157.5°	1481.5	1464.6	1447.5	1464.6	1481.5	1485.8	1511.6	1546.1	1563.3	1589.8	1642.7
160°	1498.4	1485.2	1472.0	1485.2	1498.4	1501.7	1522.3	1549.6	1563.3	1586.0	1631.4
162.5°	1516.3	1506.3	1496.5	1506.3	1516.3	1518.8	1533.6	1553.5	1563.3	1582.5	1620.8
165°	1540.9	1531.9	1523.0	1531.9	1540.9	1543.1	1549.9	1558.8	1563.3	1577.1	1604.5
167.5°	1555.9	1551.7	1547.4	1551.7	1555.9	1557.0	1562.7	1570.2	1574.0	1582.9	1600.9
170°	1571.9	1567.6	1563.3	1567.6	1571.9	1573.0	1573.3	1573.7	1574.0	1582.9	1600.9
172.5°	1573.7	1572.8	1571.9	1572.8	1573.7	1574.0	1574.0	1574.0	1574.0	1581.1	1595.2
175°	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1580.4	1576.1	1574.0	1578.5	1587.4
177.5°	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1581.1	1577.7	1576.1	1579.7	1586.8
180°	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7	2379.7
2.5°	2296.4	2289.7	2298.7	2273.9	2298.7	2289.7	2296.4	2312.2	2298.7	2307.6	2316.7
5°	2015.0	2003.7	1967.7	1938.5	1967.7	2003.7	2015.0	2062.3	2084.8	2125.3	2179.3
7.5°	1801.1	1792.1	1783.1	1765.1	1783.1	1792.1	1801.1	1814.6	1837.2	1873.1	1913.7
10°	1753.8	1756.1	1769.6	1767.3	1769.6	1756.1	1753.8	1749.3	1742.6	1749.3	1774.1
12.5°	1875.4	1895.7	1970.0	1965.5	1970.0	1895.7	1875.4	1785.4	1724.5	1713.3	1717.8
15°	2015.0	2021.7	2037.5	2039.8	2037.5	2021.7	2015.0	1978.9	1796.6	1717.8	1693.0
17.5°	2028.5	2030.7	2042.0	2042.0	2042.0	2030.7	2028.5	2012.8	1951.9	1846.1	1706.6
20°	2017.3	2021.7	2044.3	2048.8	2044.3	2021.7	2017.3	1997.0	1963.2	1924.9	1819.1
22.5°	2012.8	2021.7	2039.8	2037.5	2039.8	2021.7	2012.8	1981.2	1951.9	1924.9	1882.2
25°	1990.2	1990.2	1992.5	1994.7	1992.5	1990.2	1990.2	1965.5	1906.9	1900.1	1875.4
27.5°	1943.0	1947.4	1961.0	1958.7	1961.0	1947.4	1943.0	1934.0	1870.9	1864.2	1846.1
30°	1900.1	1895.7	1884.4	1875.4	1884.4	1895.7	1900.1	1886.7	1823.6	1805.6	1810.1
32.5°	1828.1	1816.9	1805.6	1798.8	1805.6	1816.9	1828.1	1823.6	1776.3	1751.5	1756.1
35°	1742.6	1744.8	1742.6	1735.8	1742.6	1744.8	1742.6	1747.1	1717.8	1695.3	1693.0
37.5°	1681.8	1686.3	1684.1	1675.0	1684.1	1686.3	1681.8	1677.2	1636.8	1630.0	1634.5
40°	1618.7	1621.0	1618.7	1612.0	1618.7	1621.0	1618.7	1609.8	1553.5	1555.7	1571.4
42.5°	1558.0	1555.7	1548.9	1544.4	1548.9	1555.7	1558.0	1544.4	1472.4	1465.6	1494.9
45°	1488.2	1490.4	1476.9	1470.1	1476.9	1490.4	1488.2	1479.2	1404.9	1386.9	1407.1
47.5°	1418.4	1418.4	1407.1	1400.3	1407.1	1418.4	1418.4	1407.1	1328.4	1310.3	1321.5
50°	1344.1	1341.8	1326.1	1323.8	1326.1	1341.8	1344.1	1337.3	1254.1	1238.3	1238.3
52.5°	1258.5	1258.5	1260.8	1265.3	1260.8	1258.5	1258.5	1260.8	1186.5	1170.7	1166.2
55°	1184.2	1186.5	1202.3	1206.8	1202.3	1186.5	1184.2	1184.2	1116.7	1101.0	1091.9
57.5°	1107.7	1107.7	1118.9	1118.9	1118.9	1107.7	1107.7	1103.2	1037.9	1024.4	1019.8
60°	1019.8	1024.4	1033.4	1031.2	1033.4	1024.4	1019.8	1015.4	959.1	950.1	934.3
62.5°	927.6	932.1	934.3	929.8	934.3	932.1	927.6	914.0	880.3	873.6	853.3
65°	830.8	835.3	837.5	833.0	837.5	835.3	830.8	824.0	799.3	788.0	770.0
67.5°	731.7	729.5	727.2	736.2	727.2	729.5	731.7	722.7	706.9	698.0	673.2
70°	630.4	630.4	628.1	632.6	628.1	630.4	630.4	623.7	614.6	607.9	585.3
72.5°	522.4	520.1	529.1	522.4	529.1	520.1	522.4	520.1	515.5	508.8	486.3
75°	416.5	421.0	416.5	423.3	416.5	421.0	416.5	418.8	416.5	412.0	396.3
77.5°	317.5	322.0	317.5	317.5	317.5	322.0	317.5	319.7	319.7	319.7	306.2
80°	225.1	222.9	222.9	220.7	222.9	222.9	225.1	225.1	227.4	222.9	218.4
82.5°	144.1	141.9	141.9	146.4	141.9	141.9	144.1	146.4	141.9	141.9	141.9
85°	78.8	81.0	76.5	76.5	76.5	81.0	78.8	74.3	78.8	78.8	76.5
87.5°	29.3	27.0	27.0	27.0	27.0	27.0	29.3	31.5	31.5	31.5	33.7
90°	40.4	40.4	40.4	40.4	40.4	40.4	40.4	53.8	71.8	80.8	69.4
92.5°	201.9	193.9	161.8	129.7	161.8	193.9	201.9	286.3	398.7	454.9	399.4
95°	685.5	661.2	563.9	466.6	563.9	661.2	685.5	900.2	1186.4	1329.5	1122.9
97.5°	1582.5	1536.2	1351.0	1165.9	1351.0	1536.2	1582.5	1718.2	1899.1	1989.6	1645.0
100°	2222.3	2167.1	1946.6	1726.0	1946.6	2167.1	2222.3	2212.4	2199.2	2192.5	1810.2
102.5°	2768.6	2721.4	2532.4	2343.5	2532.4	2721.4	2768.6	2595.7	2365.2	2250.0	1862.1
105°	3406.3	3380.9	3279.3	3177.8	3279.3	3380.9	3406.3	3018.7	2502.0	2243.6	1868.0
107.5°	3737.9	3744.0	3768.6	3793.1	3768.6	3744.0	3737.9	3197.3	2476.4	2116.0	1784.9
110°	3822.9	3849.3	3955.2	4061.0	3955.2	3849.3	3822.9	3218.5	2412.7	2009.8	1711.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3768.7	3809.3	3971.8	4134.2	3971.8	3809.3	3768.7	3150.1	2325.4	1913.0	1646.8
115°	3584.8	3641.1	3866.5	4091.7	3866.5	3641.1	3584.8	2988.9	2194.4	1797.2	1573.0
117.5°	3330.8	3393.3	3643.2	3893.0	3643.2	3393.3	3330.8	2793.0	2076.0	1717.5	1526.9
120°	3159.7	3220.4	3463.2	3705.9	3463.2	3220.4	3159.7	2668.4	2013.2	1685.6	1511.3
122.5°	2988.6	3048.5	3288.0	3527.5	3288.0	3048.5	2988.6	2546.1	1956.1	1661.1	1503.2
125°	2762.2	2817.3	3038.0	3258.6	3038.0	2817.3	2762.2	2386.3	1885.1	1634.6	1496.4
127.5°	2580.5	2627.0	2813.1	2999.2	2813.1	2627.0	2580.5	2257.7	1827.4	1612.2	1492.5
130°	2465.7	2508.7	2680.6	2852.6	2680.6	2508.7	2465.7	2178.4	1795.2	1603.7	1494.8
132.5°	2367.9	2406.4	2560.3	2714.4	2560.3	2406.4	2367.9	2110.7	1767.7	1596.3	1496.5
135°	2229.8	2262.9	2395.7	2528.4	2395.7	2262.9	2229.8	2014.4	1727.2	1583.5	1495.0
137.5°	2127.7	2154.9	2263.5	2372.1	2263.5	2154.9	2127.7	1945.6	1702.9	1581.5	1504.2
140°	2045.9	2071.3	2172.9	2274.4	2172.9	2071.3	2045.9	1888.6	1678.9	1574.0	1505.7
142.5°	1988.5	2010.3	2097.7	2185.1	2097.7	2010.3	1988.5	1850.3	1666.1	1574.0	1511.2
145°	1902.4	1919.0	1985.1	2051.2	1985.1	1919.0	1902.4	1789.4	1638.7	1563.3	1511.2
147.5°	1830.1	1843.8	1898.6	1953.4	1898.6	1843.8	1830.1	1741.1	1622.6	1563.3	1521.6
150°	1788.7	1799.8	1844.2	1888.6	1844.2	1799.8	1788.7	1713.5	1613.4	1563.3	1527.0
152.5°	1755.7	1764.1	1797.6	1831.2	1797.6	1764.1	1755.7	1691.6	1606.1	1563.3	1530.5
155°	1716.4	1722.0	1744.2	1766.4	1744.2	1722.0	1716.4	1665.4	1597.3	1563.3	1538.3
157.5°	1682.4	1686.4	1701.9	1717.5	1701.9	1686.4	1682.4	1642.7	1589.8	1563.3	1546.1
160°	1665.4	1667.6	1676.7	1685.6	1676.7	1667.6	1665.4	1631.4	1586.0	1563.3	1549.6
162.5°	1649.5	1651.6	1660.0	1668.6	1660.0	1651.6	1649.5	1620.8	1582.5	1563.3	1553.5
165°	1625.0	1627.2	1636.3	1645.2	1636.3	1627.2	1625.0	1604.5	1577.1	1563.3	1558.8
167.5°	1614.4	1615.3	1619.1	1622.9	1619.1	1615.3	1614.4	1600.9	1582.9	1574.0	1570.2
170°	1614.4	1614.4	1614.4	1614.4	1614.4	1614.4	1614.4	1600.9	1582.9	1574.0	1573.7
172.5°	1605.8	1605.0	1601.8	1598.4	1601.8	1605.0	1605.8	1595.2	1581.1	1574.0	1574.0
175°	1594.2	1594.2	1594.2	1594.2	1594.2	1594.2	1594.2	1587.4	1578.5	1574.0	1576.1
177.5°	1592.0	1591.1	1587.3	1583.5	1587.3	1591.1	1592.0	1586.8	1579.7	1576.1	1577.7
180°	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5	1583.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2379.7	2379.7	2379.7	2379.7	2379.7
2.5°	2350.4	2361.7	2368.5	2377.5	2400.0
5°	2260.4	2303.1	2316.7	2350.4	2391.0
7.5°	2062.3	2192.9	2228.8	2309.9	2373.0
10°	1870.9	2001.5	2064.5	2255.9	2350.4
12.5°	1774.1	1850.6	1893.4	2161.4	2318.9
15°	1713.3	1767.3	1798.8	2035.3	2282.9
17.5°	1666.0	1704.3	1726.8	1911.5	2233.3
20°	1636.8	1654.8	1675.0	1821.4	2177.1
22.5°	1616.5	1605.3	1621.0	1758.4	2100.5
25°	1603.0	1560.2	1578.2	1708.8	2010.5
27.5°	1614.3	1519.7	1526.4	1663.8	1915.9
30°	1616.5	1470.1	1472.4	1616.5	1810.1
32.5°	1600.7	1418.4	1420.6	1558.0	1690.8
35°	1562.5	1357.6	1355.4	1490.4	1528.7
37.5°	1510.7	1292.3	1292.3	1416.1	1350.8
40°	1447.6	1227.0	1233.8	1319.3	1193.2
42.5°	1371.1	1157.2	1166.2	1191.0	1076.2
45°	1287.8	1089.7	1096.4	1006.4	986.1
47.5°	1195.5	1019.8	1022.1	835.3	956.9
50°	1085.2	947.8	938.8	715.9	954.6
52.5°	988.3	869.0	842.0	648.4	866.8
55°	893.8	785.7	727.2	596.7	803.8
57.5°	810.5	677.7	621.4	535.8	790.2
60°	733.9	571.9	529.1	470.6	725.0
62.5°	670.9	493.1	484.0	425.5	657.4
65°	603.4	439.0	436.7	387.2	558.3
67.5°	538.1	403.0	400.8	351.2	425.5
70°	468.3	364.7	360.2	312.9	315.2
72.5°	396.3	322.0	317.5	281.4	261.1
75°	324.2	272.4	270.2	245.4	211.6
77.5°	254.4	216.2	220.7	198.1	155.3
80°	182.3	157.6	162.1	141.9	117.1
82.5°	121.6	103.6	108.0	90.1	78.8
85°	67.6	58.5	60.7	47.3	36.0
87.5°	31.5	27.0	27.0	18.0	11.2
90°	46.8	29.7	27.6	19.2	10.6
92.5°	288.4	205.2	187.1	114.8	42.5
95°	709.5	399.6	366.5	234.3	102.1
97.5°	955.9	439.0	409.8	293.1	176.4
100°	1045.5	471.9	445.4	339.6	233.8
102.5°	1086.6	504.8	480.1	381.4	282.7
105°	1117.0	553.7	532.8	449.2	365.6
107.5°	1122.7	626.0	606.5	528.6	450.6
110°	1114.2	666.3	648.8	578.4	508.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1114.5	715.3	698.5	631.4	564.4
115°	1124.8	788.6	773.1	711.2	649.4
117.5°	1145.7	859.8	845.8	789.5	733.3
120°	1162.7	901.2	888.0	835.1	782.2
122.5°	1187.2	950.2	936.8	883.4	830.0
125°	1220.1	1012.9	1000.7	952.0	903.4
127.5°	1253.0	1073.4	1061.2	1012.0	962.9
130°	1277.1	1113.8	1100.6	1047.7	994.8
132.5°	1296.7	1146.8	1133.6	1080.7	1027.8
135°	1317.9	1185.0	1173.0	1124.8	1076.6
137.5°	1349.7	1233.9	1221.9	1174.3	1126.6
140°	1369.2	1266.8	1255.8	1212.0	1168.0
142.5°	1385.5	1291.3	1281.2	1240.5	1199.9
145°	1406.8	1328.5	1319.7	1284.2	1248.8
147.5°	1438.0	1375.3	1366.7	1332.2	1297.7
150°	1454.2	1399.7	1391.9	1360.7	1329.5
152.5°	1464.9	1415.7	1409.8	1386.1	1362.5
155°	1488.3	1450.7	1446.4	1428.9	1411.4
157.5°	1511.6	1485.8	1481.5	1464.6	1447.5
160°	1522.3	1501.7	1498.4	1485.2	1472.0
162.5°	1533.6	1518.8	1516.3	1506.3	1496.5
165°	1549.9	1543.1	1540.9	1531.9	1523.0
167.5°	1562.7	1557.0	1555.9	1551.7	1547.4
170°	1573.3	1573.0	1571.9	1567.6	1563.3
172.5°	1574.0	1574.0	1573.7	1572.8	1571.9
175°	1580.4	1583.5	1583.5	1583.5	1583.5
177.5°	1581.1	1583.5	1583.5	1583.5	1583.5
180°	1583.5	1583.5	1583.5	1583.5	1583.5



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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	11.88	12.64	12.94	13.70	15.14	14.72	15.48	15.77	16.54	17.98
	3H	12.35	13.03	13.41	14.10	15.55	16.06	16.74	17.12	17.81	19.26
	4H	12.53	13.18	13.61	14.25	15.71	16.50	17.14	17.58	18.21	19.68
	6H	12.65	13.24	13.74	14.32	15.79	16.78	17.37	17.87	18.45	19.92
	8H	12.65	13.21	13.74	14.30	15.77	16.85	17.42	17.94	18.51	19.98
	12H	12.61	13.15	13.71	14.23	15.73	16.89	17.42	17.98	18.51	20.00
4H	2H	12.90	13.55	13.99	14.62	16.08	15.11	15.76	16.20	16.83	18.29
	3H	13.92	14.46	15.01	15.55	17.03	16.61	17.15	17.70	18.25	19.72
	4H	14.19	14.68	15.29	15.77	17.27	17.14	17.63	18.23	18.72	20.22
	6H	14.31	14.73	15.41	15.84	17.33	17.50	17.92	18.60	19.03	20.52
	8H	14.31	14.71	15.42	15.81	17.32	17.60	18.00	18.71	19.10	20.61
	12H	14.27	14.63	15.40	15.75	17.26	17.66	18.01	18.78	19.13	20.64
8H	4H	14.64	15.03	15.74	16.14	17.64	17.25	17.65	18.36	18.75	20.26
	6H	14.89	15.22	16.02	16.37	17.87	17.69	18.01	18.81	19.16	20.66
	8H	14.94	15.22	16.07	16.35	17.87	17.84	18.12	18.97	19.25	20.77
	12H	14.91	15.17	16.05	16.29	17.85	17.93	18.19	19.07	19.31	20.87
12H	4H	14.64	15.00	15.76	16.11	17.62	17.21	17.57	18.33	18.69	20.20
	6H	14.95	15.24	16.09	16.37	17.89	17.68	17.97	18.82	19.10	20.62
	8H	15.02	15.27	16.15	16.39	17.95	17.84	18.09	18.98	19.22	20.78