

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: P936143

Luminaire Tested: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-8-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936143
REPORT IS A COMBINATION OF REPORTS P933784 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-8-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

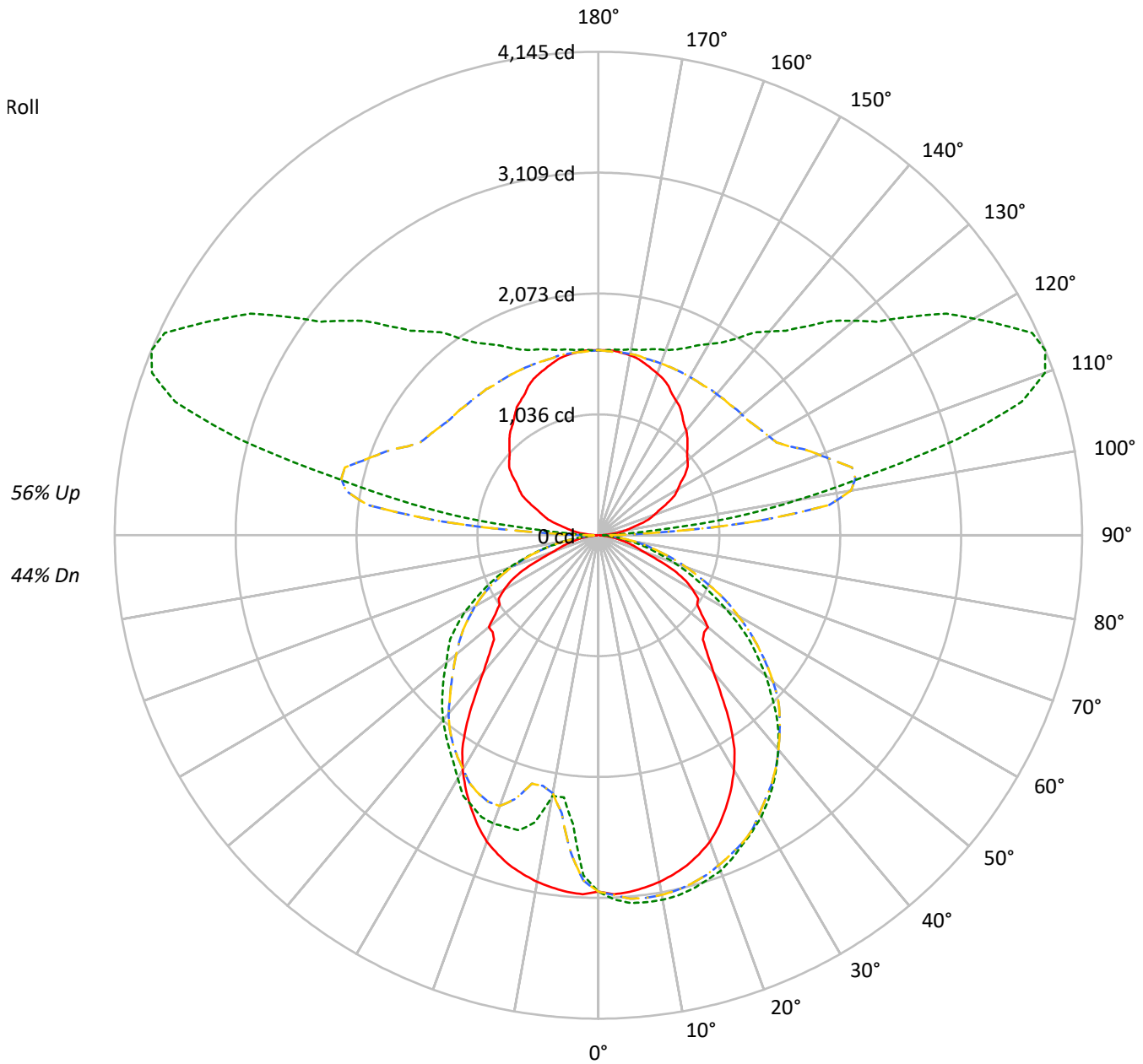
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18219.4 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 166.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	44	44	44	44
1	96	92	88	85	88	84	81	78	70	68	66	57	55	54	44	43	42	37	37	37	37
2	88	80	74	69	80	74	69	64	61	58	54	50	47	45	39	37	36	31	31	31	31
3	80	71	63	58	73	65	59	54	54	49	46	44	41	38	35	32	30	26	26	26	26
4	73	63	55	49	67	57	51	45	48	43	39	39	35	32	31	28	26	22	22	22	22
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	28	25	23	19	19	19	19
6	62	50	42	36	56	46	39	34	39	33	29	32	28	24	25	22	20	17	17	17	17
7	57	45	37	31	52	41	34	29	35	29	25	29	25	22	23	20	18	15	15	15	15
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16	13	13	13	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12	12	12	12
10	46	34	27	22	42	31	25	21	27	22	18	22	18	16	18	15	13	11	11	11	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14176	14176	14176	14176
5°	14281	14310	14281	11252
10°	14186	14096	14186	10078
15°	14032	13790	14032	11515
20°	13738	13428	13738	11539
25°	13138	12901	13138	11295
30°	12362	12463	12362	10758
35°	11020	11909	11020	10168
40°	9182	11256	9182	9722
45°	8205	10493	8205	9209
50°	8716	9582	8716	8695
55°	8201	8601	8201	8398
60°	8453	7305	8453	7691
65°	7665	6039	7665	6750
70°	5308	4812	5308	5658
75°	4653	3557	4653	4259
80°	3750	2352	3750	2561
85°	2152	1245	2152	1059

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 12575 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.8	1.5
10°-20°	783.1	4.3
20°-30°	1210.5	6.6
30°-40°	1445.1	7.9
40°-50°	1453.5	8.0
50°-60°	1264.8	6.9
60°-70°	896.7	4.9
70°-80°	474.4	2.6
80°-90°	124.2	0.7
90°-100°	773.9	4.2
100°-110°	2034.5	11.2
110°-120°	2109.5	11.6
120°-130°	1692.1	9.3
130°-140°	1327.7	7.3
140°-150°	1019.0	5.6
150°-160°	733.9	4.0
160°-170°	449.0	2.5
170°-180°	151.7	0.8
0°-30°	2269.4	12.5
0°-40°	3714.4	20.4
0°-60°	6432.7	35.3
0°-90°	7928.1	43.5
90°-120°	4917.9	27.0
90°-150°	8956.7	49.2
90°-180°	10291.0	56.5
0°-180°	18219.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3055	3055	3055	3055	3055	
5°	3070	3165	3070	2489	3070	291
15°	2931	3136	2931	2619	2931	825
25°	2581	2925	2581	2561	2581	1185
35°	1963	2610	1963	2229	1963	1214
45°	1266	2151	1266	1888	1266	1014
55°	1032	1587	1032	1549	1032	948
65°	717	957	717	1070	717	685
75°	272	454	272	543	272	286
85°	46	116	46	98	46	62
90°	11	40	11	40	11	11
95°	102	468	102	468	102	114
105°	366	3186	366	3186	366	389
115°	651	4102	651	4102	651	643
125°	906	3267	906	3267	906	804
135°	1079	2535	1079	2535	1079	835
145°	1252	2056	1252	2056	1252	784
155°	1415	1771	1415	1771	1415	650
165°	1527	1649	1527	1649	1527	431
175°	1588	1598	1588	1598	1588	151
180°	1588	1588	1588	1588	1588	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3055.4	3055.4	3055.4	3055.4	3055.4	3055.4	3055.4	3055.4	3055.4	3055.4	3055.4
2.5°	3081.4	3081.4	3098.7	3104.5	3104.5	3095.9	3087.2	3095.9	3121.8	3130.5	3127.6
5°	3069.8	3093.0	3124.7	3130.5	3136.3	3133.5	3127.6	3133.5	3162.3	3168.1	3171.0
7.5°	3046.7	3090.1	3130.5	3139.2	3147.9	3139.2	3136.3	3142.1	3171.0	3176.8	3176.8
10°	3017.8	3078.5	3124.7	3130.5	3139.2	3130.5	3130.5	3142.1	3171.0	3176.8	3179.7
12.5°	2977.3	3061.1	3104.5	3110.3	3121.8	3118.9	3116.1	3127.6	3156.5	3162.3	3162.3
15°	2931.1	3029.3	3069.8	3075.6	3095.9	3090.1	3090.1	3101.6	3133.5	3142.1	3139.2
17.5°	2867.5	2988.9	3035.1	3043.8	3058.3	3055.4	3058.3	3069.8	3098.7	3104.5	3107.4
20°	2795.2	2933.9	2988.9	2997.6	3012.0	3012.0	3012.0	3026.4	3055.4	3066.9	3066.9
22.5°	2696.9	2876.2	2933.9	2939.7	2957.1	2957.1	2962.9	2983.1	3009.1	3012.0	3012.0
25°	2581.3	2812.6	2861.7	2879.0	2896.3	2905.1	2913.8	2925.3	2933.9	2931.1	2933.9
27.5°	2459.9	2731.6	2795.2	2806.8	2829.9	2838.6	2850.1	2853.0	2855.9	2864.6	2858.8
30°	2324.1	2618.9	2714.2	2725.9	2763.4	2769.2	2757.6	2763.4	2777.9	2783.7	2789.4
32.5°	2170.9	2451.3	2630.5	2656.5	2691.2	2673.8	2670.9	2679.6	2702.7	2702.7	2708.5
35°	1962.7	2321.2	2552.4	2575.5	2601.5	2581.3	2592.9	2595.8	2610.2	2618.9	2616.0
37.5°	1734.4	2208.4	2471.5	2488.8	2509.1	2483.0	2500.4	2509.1	2520.6	2514.8	2514.8
40°	1532.0	2032.1	2376.1	2387.6	2405.0	2384.7	2402.1	2407.9	2413.7	2407.9	2405.0
42.5°	1381.7	1838.4	2274.9	2289.3	2277.8	2292.2	2298.0	2309.6	2300.9	2289.3	2289.3
45°	1266.1	1786.4	2165.0	2182.4	2165.0	2188.2	2196.9	2196.9	2170.9	2165.0	2162.1
47.5°	1228.5	1682.3	2055.2	2055.2	2046.6	2075.4	2089.9	2069.6	2043.7	2035.0	2035.0
50°	1225.6	1566.7	1904.9	1893.3	1933.8	1968.5	1954.1	1933.8	1913.6	1881.8	1881.8
52.5°	1112.8	1425.0	1711.2	1754.6	1818.2	1838.4	1815.3	1795.0	1760.4	1745.9	1734.4
55°	1032.0	1277.7	1535.0	1621.6	1688.1	1714.1	1670.8	1650.5	1598.5	1589.9	1584.1
57.5°	1014.6	1063.7	1373.0	1482.9	1563.8	1560.9	1535.0	1497.4	1454.0	1445.3	1442.5
60°	930.7	768.9	1199.6	1329.7	1413.5	1404.9	1381.7	1347.0	1306.6	1300.8	1295.0
62.5°	844.0	557.9	1003.0	1150.4	1269.0	1266.1	1245.8	1193.8	1164.9	1150.4	1138.9
65°	716.9	468.3	714.0	956.8	1127.4	1133.1	1089.8	1052.2	1020.3	1003.0	1000.2
67.5°	546.3	381.5	482.8	797.8	991.5	985.7	930.7	913.4	873.0	864.3	847.0
70°	404.7	254.4	335.3	647.5	858.5	844.0	800.7	780.5	742.9	722.7	711.1
72.5°	335.3	205.2	245.7	503.0	722.7	705.3	667.8	644.6	612.8	595.5	583.9
75°	271.7	216.8	187.9	372.9	586.8	575.3	540.6	517.4	491.4	468.3	471.1
77.5°	199.4	202.3	150.3	274.6	465.4	448.1	427.8	398.9	387.3	364.2	364.2
80°	150.3	159.0	112.7	187.9	335.3	335.3	318.0	297.7	277.5	266.0	266.0
82.5°	101.1	101.1	83.8	118.6	228.4	219.7	208.2	202.3	190.8	185.0	185.0
85°	46.2	57.8	52.0	72.3	124.3	130.1	130.1	124.3	121.4	115.6	118.6
87.5°	14.4	26.1	31.8	40.5	63.6	66.5	69.4	69.4	69.4	72.3	72.3
90°	10.7	19.2	27.7	29.8	46.9	69.6	81.0	72.0	54.0	40.5	40.5
92.5°	42.6	115.1	187.6	205.7	289.1	400.4	456.0	399.6	287.0	202.4	194.4
95°	102.3	234.9	367.4	400.6	711.3	1125.7	1332.9	1189.4	902.5	687.2	662.8
97.5°	176.9	293.8	410.8	440.0	958.2	1649.2	1994.6	1903.9	1722.5	1586.5	1540.1
100°	234.4	340.5	446.5	473.1	1048.1	1814.7	2198.0	2204.7	2217.9	2227.8	2172.6
102.5°	283.4	382.4	481.3	506.1	1089.3	1866.8	2255.6	2371.1	2602.2	2775.5	2728.2
105°	366.5	450.3	534.2	555.1	1119.8	1872.7	2249.2	2508.2	3026.3	3414.8	3389.4
107.5°	451.7	529.9	608.0	627.5	1125.5	1789.4	2121.3	2482.6	3205.3	3747.2	3753.4
110°	509.3	579.9	650.4	668.0	1116.9	1715.5	2014.8	2418.7	3226.6	3832.5	3859.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	565.8	633.0	700.2	717.0	1117.3	1650.9	1917.8	2331.2	3158.0	3778.1	3818.8
115°	651.0	713.0	775.0	790.6	1127.6	1577.0	1801.7	2199.9	2996.4	3593.7	3650.2
117.5°	735.1	791.5	847.9	862.0	1148.5	1530.7	1721.8	2081.2	2800.0	3339.1	3401.7
120°	784.2	837.2	890.3	903.5	1165.6	1515.1	1689.8	2018.2	2675.0	3167.6	3228.4
122.5°	832.1	885.6	939.1	952.5	1190.1	1506.9	1665.3	1961.0	2552.5	2996.0	3056.1
125°	905.6	954.4	1003.2	1015.4	1223.1	1500.1	1638.6	1889.8	2392.2	2769.1	2824.3
127.5°	965.3	1014.5	1063.8	1076.1	1256.2	1496.3	1616.3	1831.9	2263.4	2586.9	2633.5
130°	997.3	1050.3	1103.4	1116.6	1280.3	1498.6	1607.7	1799.7	2183.8	2471.8	2515.0
132.5°	1030.3	1083.4	1136.4	1149.7	1299.9	1500.2	1600.3	1772.1	2115.9	2373.8	2412.4
135°	1079.3	1127.6	1176.0	1188.0	1321.2	1498.7	1587.5	1731.5	2019.4	2235.3	2268.6
137.5°	1129.4	1177.2	1225.0	1236.9	1353.1	1508.0	1585.4	1707.1	1950.5	2133.0	2160.3
140°	1170.9	1215.0	1259.0	1270.0	1372.7	1509.5	1577.9	1683.1	1893.3	2051.0	2076.5
142.5°	1202.9	1243.6	1284.4	1294.5	1389.0	1515.0	1577.9	1670.2	1854.9	1993.4	2015.3
145°	1251.9	1287.4	1323.0	1331.8	1410.3	1515.0	1567.2	1642.7	1793.8	1907.2	1923.8
147.5°	1300.9	1335.5	1370.1	1378.7	1441.6	1525.4	1567.2	1626.7	1745.5	1834.7	1848.4
150°	1332.9	1364.1	1395.4	1403.2	1457.8	1530.8	1567.2	1617.5	1717.8	1793.2	1804.3
152.5°	1365.9	1389.6	1413.3	1419.2	1468.6	1534.4	1567.2	1610.1	1695.8	1760.1	1768.5
155°	1414.9	1432.5	1450.0	1454.3	1492.0	1542.1	1567.2	1601.3	1669.6	1720.7	1726.3
157.5°	1451.2	1468.2	1485.2	1489.5	1515.4	1550.0	1567.2	1593.8	1646.8	1686.6	1690.6
160°	1475.7	1488.9	1502.2	1505.5	1526.1	1553.5	1567.2	1590.0	1635.5	1669.6	1671.8
162.5°	1500.2	1510.1	1520.1	1522.6	1537.4	1557.3	1567.2	1586.5	1624.8	1653.6	1655.7
165°	1526.8	1535.7	1544.8	1547.0	1553.7	1562.7	1567.2	1581.0	1608.5	1629.1	1631.3
167.5°	1551.3	1555.5	1559.8	1560.9	1566.6	1574.2	1577.9	1586.9	1604.9	1618.4	1619.3
170°	1567.2	1571.5	1575.8	1576.9	1577.2	1577.7	1577.9	1586.9	1604.9	1618.4	1618.4
172.5°	1575.8	1576.7	1577.7	1577.9	1577.9	1577.9	1577.9	1585.0	1599.2	1609.9	1609.0
175°	1587.5	1587.5	1587.5	1587.5	1584.3	1580.1	1577.9	1582.4	1591.4	1598.2	1598.2
177.5°	1587.5	1587.5	1587.5	1587.5	1585.0	1581.7	1580.1	1583.6	1590.7	1596.0	1595.1
180°	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3055.4	3055.4	3055.4	3055.4	3055.4	3055.4	3055.4	3055.4	3055.4	3055.4	3055.4
2.5°	3133.5	3124.7	3133.5	3127.6	3130.5	3121.8	3095.9	3087.2	3095.9	3104.5	3104.5
5°	3171.0	3165.2	3171.0	3171.0	3168.1	3162.3	3133.5	3127.6	3133.5	3136.3	3130.5
7.5°	3182.6	3173.9	3182.6	3176.8	3176.8	3171.0	3142.1	3136.3	3139.2	3147.9	3139.2
10°	3182.6	3173.9	3182.6	3179.7	3176.8	3171.0	3142.1	3130.5	3130.5	3139.2	3130.5
12.5°	3168.1	3162.3	3168.1	3162.3	3162.3	3156.5	3127.6	3116.1	3118.9	3121.8	3110.3
15°	3145.0	3136.3	3145.0	3139.2	3142.1	3133.5	3101.6	3090.1	3090.1	3095.9	3075.6
17.5°	3110.3	3098.7	3110.3	3107.4	3104.5	3098.7	3069.8	3058.3	3055.4	3058.3	3043.8
20°	3069.8	3061.1	3069.8	3066.9	3066.9	3055.4	3026.4	3012.0	3012.0	3012.0	2997.6
22.5°	3006.2	2997.6	3006.2	3012.0	3012.0	3009.1	2983.1	2962.9	2957.1	2957.1	2939.7
25°	2933.9	2925.3	2933.9	2933.9	2931.1	2933.9	2925.3	2913.8	2905.1	2896.3	2879.0
27.5°	2864.6	2858.8	2864.6	2858.8	2864.6	2855.9	2853.0	2850.1	2838.6	2829.9	2806.8
30°	2795.2	2789.4	2795.2	2789.4	2783.7	2777.9	2763.4	2757.6	2769.2	2763.4	2725.9
32.5°	2708.5	2702.7	2708.5	2708.5	2702.7	2702.7	2679.6	2670.9	2673.8	2691.2	2656.5
35°	2618.9	2610.2	2618.9	2616.0	2618.9	2610.2	2595.8	2592.9	2581.3	2601.5	2575.5
37.5°	2514.8	2506.2	2514.8	2514.8	2514.8	2520.6	2509.1	2500.4	2483.0	2509.1	2488.8
40°	2407.9	2396.3	2407.9	2405.0	2407.9	2413.7	2407.9	2402.1	2384.7	2405.0	2387.6
42.5°	2286.5	2283.6	2286.5	2289.3	2289.3	2300.9	2309.6	2298.0	2292.2	2277.8	2289.3
45°	2156.4	2150.6	2156.4	2162.1	2165.0	2170.9	2196.9	2196.9	2188.2	2165.0	2182.4
47.5°	2017.6	2003.2	2017.6	2035.0	2035.0	2043.7	2069.6	2089.9	2075.4	2046.6	2055.2
50°	1870.2	1873.1	1870.2	1881.8	1881.8	1913.6	1933.8	1954.1	1968.5	1933.8	1893.3
52.5°	1725.7	1722.8	1725.7	1734.4	1745.9	1760.4	1795.0	1815.3	1838.4	1818.2	1754.6
55°	1581.2	1587.0	1581.2	1584.1	1589.9	1598.5	1650.5	1670.8	1714.1	1688.1	1621.6
57.5°	1436.6	1427.9	1436.6	1442.5	1445.3	1454.0	1497.4	1535.0	1560.9	1563.8	1482.9
60°	1269.0	1257.4	1269.0	1295.0	1300.8	1306.6	1347.0	1381.7	1404.9	1413.5	1329.7
62.5°	1121.6	1101.3	1121.6	1138.9	1150.4	1164.9	1193.8	1245.8	1266.1	1269.0	1150.4
65°	965.4	956.8	965.4	1000.2	1003.0	1020.3	1052.2	1089.8	1133.1	1127.4	956.8
67.5°	823.8	823.8	823.8	847.0	864.3	873.0	913.4	930.7	985.7	991.5	797.8
70°	693.7	690.8	693.7	711.1	722.7	742.9	780.5	800.7	844.0	858.5	647.5
72.5°	569.4	566.5	569.4	583.9	595.5	612.8	644.6	667.8	705.3	722.7	503.0
75°	459.6	453.8	459.6	471.1	468.3	491.4	517.4	540.6	575.3	586.8	372.9
77.5°	352.7	352.7	352.7	364.2	364.2	387.3	398.9	427.8	448.1	465.4	274.6
80°	263.1	260.2	263.1	266.0	266.0	277.5	297.7	318.0	335.3	335.3	187.9
82.5°	185.0	179.2	185.0	185.0	185.0	190.8	202.3	208.2	219.7	228.4	118.6
85°	115.6	115.6	115.6	118.6	115.6	121.4	124.3	130.1	130.1	124.3	72.3
87.5°	75.2	72.3	75.2	72.3	72.3	69.4	69.4	69.4	66.5	63.6	40.5
90°	40.5	40.5	40.5	40.5	40.5	54.0	72.0	81.0	69.6	46.9	29.8
92.5°	162.2	130.0	162.2	194.4	202.4	287.0	399.6	456.0	400.4	289.1	205.7
95°	565.3	467.7	565.3	662.8	687.2	902.5	1189.4	1332.9	1125.7	711.3	400.6
97.5°	1354.4	1168.8	1354.4	1540.1	1586.5	1722.5	1903.9	1994.6	1649.2	958.2	440.0
100°	1951.4	1730.3	1951.4	2172.6	2227.8	2217.9	2204.7	2198.0	1814.7	1048.1	473.1
102.5°	2538.7	2349.4	2538.7	2728.2	2775.5	2602.2	2371.1	2255.6	1866.8	1089.3	506.1
105°	3287.5	3185.7	3287.5	3389.4	3414.8	3026.3	2508.2	2249.2	1872.7	1119.8	555.1
107.5°	3778.0	3802.6	3778.0	3753.4	3747.2	3205.3	2482.6	2121.3	1789.4	1125.5	627.5
110°	3965.0	4071.1	3965.0	3859.0	3832.5	3226.6	2418.7	2014.8	1715.5	1116.9	668.0



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CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3981.7	4144.6	3981.7	3818.8	3778.1	3158.0	2331.2	1917.8	1650.9	1117.3	717.0
115°	3876.1	4101.9	3876.1	3650.2	3593.7	2996.4	2199.9	1801.7	1577.0	1127.6	790.6
117.5°	3652.3	3902.8	3652.3	3401.7	3339.1	2800.0	2081.2	1721.8	1530.7	1148.5	862.0
120°	3471.9	3715.2	3471.9	3228.4	3167.6	2675.0	2018.2	1689.8	1515.1	1165.6	903.5
122.5°	3296.2	3536.3	3296.2	3056.1	2996.0	2552.5	1961.0	1665.3	1506.9	1190.1	952.5
125°	3045.6	3266.7	3045.6	2824.3	2769.1	2392.2	1889.8	1638.6	1500.1	1223.1	1015.4
127.5°	2820.2	3006.7	2820.2	2633.5	2586.9	2263.4	1831.9	1616.3	1496.3	1256.2	1076.1
130°	2687.3	2859.7	2687.3	2515.0	2471.8	2183.8	1799.7	1607.7	1498.6	1280.3	1116.6
132.5°	2566.7	2721.2	2566.7	2412.4	2373.8	2115.9	1772.1	1600.3	1500.2	1299.9	1149.7
135°	2401.6	2534.7	2401.6	2268.6	2235.3	2019.4	1731.5	1587.5	1498.7	1321.2	1188.0
137.5°	2269.2	2378.1	2269.2	2160.3	2133.0	1950.5	1707.1	1585.4	1508.0	1353.1	1236.9
140°	2178.3	2280.1	2178.3	2076.5	2051.0	1893.3	1683.1	1577.9	1509.5	1372.7	1270.0
142.5°	2102.9	2190.6	2102.9	2015.3	1993.4	1854.9	1670.2	1577.9	1515.0	1389.0	1294.5
145°	1990.0	2056.3	1990.0	1923.8	1907.2	1793.8	1642.7	1567.2	1515.0	1410.3	1331.8
147.5°	1903.3	1958.3	1903.3	1848.4	1834.7	1745.5	1626.7	1567.2	1525.4	1441.6	1378.7
150°	1848.8	1893.3	1848.8	1804.3	1793.2	1717.8	1617.5	1567.2	1530.8	1457.8	1403.2
152.5°	1802.1	1835.8	1802.1	1768.5	1760.1	1695.8	1610.1	1567.2	1534.4	1468.6	1419.2
155°	1748.6	1770.8	1748.6	1726.3	1720.7	1669.6	1601.3	1567.2	1542.1	1492.0	1454.3
157.5°	1706.1	1721.8	1706.1	1690.6	1686.6	1646.8	1593.8	1567.2	1550.0	1515.4	1489.5
160°	1680.8	1689.8	1680.8	1671.8	1669.6	1635.5	1590.0	1567.2	1553.5	1526.1	1505.5
162.5°	1664.2	1672.7	1664.2	1655.7	1653.6	1624.8	1586.5	1567.2	1557.3	1537.4	1522.6
165°	1640.4	1649.3	1640.4	1631.3	1629.1	1608.5	1581.0	1567.2	1562.7	1553.7	1547.0
167.5°	1623.2	1626.9	1623.2	1619.3	1618.4	1604.9	1586.9	1577.9	1574.2	1566.6	1560.9
170°	1618.4	1618.4	1618.4	1618.4	1618.4	1604.9	1586.9	1577.9	1577.7	1577.2	1576.9
172.5°	1605.8	1602.4	1605.8	1609.0	1609.9	1599.2	1585.0	1577.9	1577.9	1577.9	1577.9
175°	1598.2	1598.2	1598.2	1598.2	1598.2	1591.4	1582.4	1577.9	1580.1	1584.3	1587.5
177.5°	1591.2	1587.5	1591.2	1595.1	1596.0	1590.7	1583.6	1580.1	1581.7	1585.0	1587.5
180°	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3055.4	3055.4	3055.4	3055.4	3055.4	3055.4	3055.4	3055.4	3055.4	3055.4	3055.4
2.5°	3098.7	3081.4	3081.4	3052.5	3041.0	3032.2	3017.8	2974.4	2962.9	2951.3	2968.7
5°	3124.7	3093.0	3069.8	3017.8	2974.4	2957.1	2902.2	2798.1	2728.8	2676.7	2647.8
7.5°	3130.5	3090.1	3046.7	2965.8	2861.7	2815.5	2647.8	2457.0	2405.0	2358.8	2329.8
10°	3124.7	3078.5	3017.8	2896.3	2650.7	2569.7	2402.1	2277.8	2246.0	2237.3	2246.0
12.5°	3104.5	3061.1	2977.3	2775.0	2431.0	2376.1	2277.8	2205.5	2199.7	2214.2	2292.2
15°	3069.8	3029.3	2931.1	2613.1	2309.6	2269.2	2199.7	2173.8	2205.5	2306.7	2540.9
17.5°	3035.1	2988.9	2867.5	2454.2	2217.1	2188.2	2139.1	2191.1	2370.3	2506.2	2584.2
20°	2988.9	2933.9	2795.2	2338.5	2150.6	2124.6	2101.5	2335.6	2471.5	2520.6	2564.0
22.5°	2933.9	2876.2	2696.9	2257.5	2081.3	2061.0	2075.4	2416.6	2471.5	2506.2	2543.8
25°	2861.7	2812.6	2581.3	2194.0	2026.3	2003.2	2058.1	2407.9	2439.6	2448.4	2523.5
27.5°	2795.2	2731.6	2459.9	2136.2	1959.8	1951.2	2072.5	2370.3	2393.4	2402.1	2483.0
30°	2714.2	2618.9	2324.1	2075.4	1890.4	1887.5	2075.4	2324.1	2318.3	2341.4	2422.3
32.5°	2630.5	2451.3	2170.9	2000.3	1824.0	1821.1	2055.2	2254.6	2248.9	2280.7	2341.4
35°	2552.4	2321.2	1962.7	1913.6	1740.1	1743.0	2006.1	2173.8	2176.7	2205.5	2243.1
37.5°	2471.5	2208.4	1734.4	1818.2	1659.2	1659.2	1939.6	2098.6	2092.8	2101.5	2153.5
40°	2376.1	2032.1	1532.0	1693.9	1584.1	1575.4	1858.7	2017.6	1997.4	1994.6	2066.8
42.5°	2274.9	1838.4	1381.7	1529.1	1497.4	1485.8	1760.4	1919.4	1881.8	1890.4	1982.9
45°	2165.0	1786.4	1266.1	1292.1	1407.7	1399.1	1653.4	1806.7	1780.6	1803.7	1899.2
47.5°	2055.2	1682.3	1228.5	1072.4	1312.4	1309.5	1535.0	1696.8	1682.3	1705.4	1806.7
50°	1904.9	1566.7	1225.6	919.2	1205.3	1217.0	1393.3	1589.9	1589.9	1610.0	1717.1
52.5°	1711.2	1425.0	1112.8	832.5	1081.1	1115.7	1269.0	1497.4	1503.1	1523.3	1618.7
55°	1535.0	1277.7	1032.0	766.0	933.6	1008.8	1147.6	1402.0	1413.5	1433.7	1520.4
57.5°	1373.0	1063.7	1014.6	688.0	797.8	870.1	1040.6	1309.5	1315.2	1332.6	1416.4
60°	1199.6	768.9	930.7	604.1	679.3	734.2	942.4	1199.6	1219.9	1231.4	1303.7
62.5°	1003.0	557.9	844.0	546.3	621.5	633.1	861.4	1095.5	1121.6	1130.3	1173.6
65°	714.0	468.3	716.9	497.2	560.7	563.6	774.7	988.6	1011.7	1026.1	1057.9
67.5°	482.8	381.5	546.3	450.9	514.5	517.4	690.8	864.3	896.1	907.7	927.9
70°	335.3	254.4	404.7	401.8	462.5	468.3	601.2	751.5	780.5	789.1	800.7
72.5°	245.7	205.2	335.3	361.3	407.6	413.4	508.7	624.4	653.2	661.9	667.8
75°	187.9	216.8	271.7	315.1	346.9	349.8	416.2	508.7	529.0	534.8	537.7
77.5°	150.3	202.3	199.4	254.4	283.3	277.5	326.6	393.2	410.5	410.5	410.5
80°	112.7	159.0	150.3	182.1	208.2	202.3	234.1	280.4	286.1	291.9	289.0
82.5°	83.8	101.1	101.1	115.6	138.7	133.0	156.1	182.1	182.1	182.1	187.9
85°	52.0	57.8	46.2	60.7	78.1	75.2	86.7	98.3	101.1	101.1	95.4
87.5°	31.8	26.1	14.4	23.1	34.7	34.7	40.5	43.4	40.5	40.5	40.5
90°	27.7	19.2	10.7	19.2	27.7	29.8	46.9	69.6	81.0	72.0	54.0
92.5°	187.6	115.1	42.6	115.1	187.6	205.7	289.1	400.4	456.0	399.6	287.0
95°	367.4	234.9	102.3	234.9	367.4	400.6	711.3	1125.7	1332.9	1189.4	902.5
97.5°	410.8	293.8	176.9	293.8	410.8	440.0	958.2	1649.2	1994.6	1903.9	1722.5
100°	446.5	340.5	234.4	340.5	446.5	473.1	1048.1	1814.7	2198.0	2204.7	2217.9
102.5°	481.3	382.4	283.4	382.4	481.3	506.1	1089.3	1866.8	2255.6	2371.1	2602.2
105°	534.2	450.3	366.5	450.3	534.2	555.1	1119.8	1872.7	2249.2	2508.2	3026.3
107.5°	608.0	529.9	451.7	529.9	608.0	627.5	1125.5	1789.4	2121.3	2482.6	3205.3
110°	650.4	579.9	509.3	579.9	650.4	668.0	1116.9	1715.5	2014.8	2418.7	3226.6



TEST NUMBER: P936143

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-8-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	700.2	633.0	565.8	633.0	700.2	717.0	1117.3	1650.9	1917.8	2331.2	3158.0
115°	775.0	713.0	651.0	713.0	775.0	790.6	1127.6	1577.0	1801.7	2199.9	2996.4
117.5°	847.9	791.5	735.1	791.5	847.9	862.0	1148.5	1530.7	1721.8	2081.2	2800.0
120°	890.3	837.2	784.2	837.2	890.3	903.5	1165.6	1515.1	1689.8	2018.2	2675.0
122.5°	939.1	885.6	832.1	885.6	939.1	952.5	1190.1	1506.9	1665.3	1961.0	2552.5
125°	1003.2	954.4	905.6	954.4	1003.2	1015.4	1223.1	1500.1	1638.6	1889.8	2392.2
127.5°	1063.8	1014.5	965.3	1014.5	1063.8	1076.1	1256.2	1496.3	1616.3	1831.9	2263.4
130°	1103.4	1050.3	997.3	1050.3	1103.4	1116.6	1280.3	1498.6	1607.7	1799.7	2183.8
132.5°	1136.4	1083.4	1030.3	1083.4	1136.4	1149.7	1299.9	1500.2	1600.3	1772.1	2115.9
135°	1176.0	1127.6	1079.3	1127.6	1176.0	1188.0	1321.2	1498.7	1587.5	1731.5	2019.4
137.5°	1225.0	1177.2	1129.4	1177.2	1225.0	1236.9	1353.1	1508.0	1585.4	1707.1	1950.5
140°	1259.0	1215.0	1170.9	1215.0	1259.0	1270.0	1372.7	1509.5	1577.9	1683.1	1893.3
142.5°	1284.4	1243.6	1202.9	1243.6	1284.4	1294.5	1389.0	1515.0	1577.9	1670.2	1854.9
145°	1323.0	1287.4	1251.9	1287.4	1323.0	1331.8	1410.3	1515.0	1567.2	1642.7	1793.8
147.5°	1370.1	1335.5	1300.9	1335.5	1370.1	1378.7	1441.6	1525.4	1567.2	1626.7	1745.5
150°	1395.4	1364.1	1332.9	1364.1	1395.4	1403.2	1457.8	1530.8	1567.2	1617.5	1717.8
152.5°	1413.3	1389.6	1365.9	1389.6	1413.3	1419.2	1468.6	1534.4	1567.2	1610.1	1695.8
155°	1450.0	1432.5	1414.9	1432.5	1450.0	1454.3	1492.0	1542.1	1567.2	1601.3	1669.6
157.5°	1485.2	1468.2	1451.2	1468.2	1485.2	1489.5	1515.4	1550.0	1567.2	1593.8	1646.8
160°	1502.2	1488.9	1475.7	1488.9	1502.2	1505.5	1526.1	1553.5	1567.2	1590.0	1635.5
162.5°	1520.1	1510.1	1500.2	1510.1	1520.1	1522.6	1537.4	1557.3	1567.2	1586.5	1624.8
165°	1544.8	1535.7	1526.8	1535.7	1544.8	1547.0	1553.7	1562.7	1567.2	1581.0	1608.5
167.5°	1559.8	1555.5	1551.3	1555.5	1559.8	1560.9	1566.6	1574.2	1577.9	1586.9	1604.9
170°	1575.8	1571.5	1567.2	1571.5	1575.8	1576.9	1577.2	1577.7	1577.9	1586.9	1604.9
172.5°	1577.7	1576.7	1575.8	1576.7	1577.7	1577.9	1577.9	1577.9	1577.9	1585.0	1599.2
175°	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1584.3	1580.1	1577.9	1582.4	1591.4
177.5°	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1585.0	1581.7	1580.1	1583.6	1590.7
180°	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5



TEST NUMBER: P936143

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3055.4	3055.4	3055.4	3055.4	3055.4	3055.4	3055.4	3055.4	3055.4	3055.4	3055.4
2.5°	2948.4	2939.7	2951.3	2919.5	2951.3	2939.7	2948.4	2968.7	2951.3	2962.9	2974.4
5°	2587.1	2572.6	2526.4	2488.8	2526.4	2572.6	2587.1	2647.8	2676.7	2728.8	2798.1
7.5°	2312.5	2300.9	2289.3	2266.3	2289.3	2300.9	2312.5	2329.8	2358.8	2405.0	2457.0
10°	2251.8	2254.6	2272.0	2269.2	2272.0	2254.6	2251.8	2246.0	2237.3	2246.0	2277.8
12.5°	2407.9	2433.9	2529.2	2523.5	2529.2	2433.9	2407.9	2292.2	2214.2	2199.7	2205.5
15°	2587.1	2595.8	2616.0	2618.9	2616.0	2595.8	2587.1	2540.9	2306.7	2205.5	2173.8
17.5°	2604.4	2607.3	2621.7	2621.7	2621.7	2607.3	2604.4	2584.2	2506.2	2370.3	2191.1
20°	2590.0	2595.8	2624.6	2630.5	2624.6	2595.8	2590.0	2564.0	2520.6	2471.5	2335.6
22.5°	2584.2	2595.8	2618.9	2616.0	2618.9	2595.8	2584.2	2543.8	2506.2	2471.5	2416.6
25°	2555.3	2555.3	2558.2	2561.1	2558.2	2555.3	2555.3	2523.5	2448.4	2439.6	2407.9
27.5°	2494.6	2500.4	2517.7	2514.8	2517.7	2500.4	2494.6	2483.0	2402.1	2393.4	2370.3
30°	2439.6	2433.9	2419.4	2407.9	2419.4	2433.9	2439.6	2422.3	2341.4	2318.3	2324.1
32.5°	2347.1	2332.7	2318.3	2309.6	2318.3	2332.7	2347.1	2341.4	2280.7	2248.9	2254.6
35°	2237.3	2240.2	2237.3	2228.7	2237.3	2240.2	2237.3	2243.1	2205.5	2176.7	2173.8
37.5°	2159.3	2165.0	2162.1	2150.6	2162.1	2165.0	2159.3	2153.5	2101.5	2092.8	2098.6
40°	2078.3	2081.3	2078.3	2069.6	2078.3	2081.3	2078.3	2066.8	1994.6	1997.4	2017.6
42.5°	2000.3	1997.4	1988.8	1982.9	1988.8	1997.4	2000.3	1982.9	1890.4	1881.8	1919.4
45°	1910.7	1913.6	1896.2	1887.5	1896.2	1913.6	1910.7	1899.2	1803.7	1780.6	1806.7
47.5°	1821.1	1821.1	1806.7	1797.9	1806.7	1821.1	1821.1	1806.7	1705.4	1682.3	1696.8
50°	1725.7	1722.8	1702.5	1699.7	1702.5	1722.8	1725.7	1717.1	1610.0	1589.9	1589.9
52.5°	1615.8	1615.8	1618.7	1624.6	1618.7	1615.8	1615.8	1618.7	1523.3	1503.1	1497.4
55°	1520.4	1523.3	1543.6	1549.4	1543.6	1523.3	1520.4	1520.4	1433.7	1413.5	1402.0
57.5°	1422.2	1422.2	1436.6	1436.6	1436.6	1422.2	1422.2	1416.4	1332.6	1315.2	1309.5
60°	1309.5	1315.2	1326.8	1323.9	1326.8	1315.2	1309.5	1303.7	1231.4	1219.9	1199.6
62.5°	1190.9	1196.7	1199.6	1193.8	1199.6	1196.7	1190.9	1173.6	1130.3	1121.6	1095.5
65°	1066.6	1072.4	1075.3	1069.5	1075.3	1072.4	1066.6	1057.9	1026.1	1011.7	988.6
67.5°	939.5	936.6	933.6	945.3	933.6	936.6	939.5	927.9	907.7	896.1	864.3
70°	809.4	809.4	806.5	812.3	806.5	809.4	809.4	800.7	789.1	780.5	751.5
72.5°	670.7	667.8	679.3	670.7	679.3	667.8	670.7	667.8	661.9	653.2	624.4
75°	534.8	540.6	534.8	543.4	534.8	540.6	534.8	537.7	534.8	529.0	508.7
77.5°	407.6	413.4	407.6	407.6	407.6	413.4	407.6	410.5	410.5	410.5	393.2
80°	289.0	286.1	286.1	283.3	286.1	286.1	289.0	289.0	291.9	286.1	280.4
82.5°	185.0	182.1	182.1	187.9	182.1	182.1	185.0	187.9	182.1	182.1	182.1
85°	101.1	104.0	98.3	98.3	98.3	104.0	101.1	95.4	101.1	101.1	98.3
87.5°	37.6	34.7	34.7	34.7	34.7	34.7	37.6	40.5	40.5	40.5	43.4
90°	40.5	40.5	40.5	40.5	40.5	40.5	40.5	54.0	72.0	81.0	69.6
92.5°	202.4	194.4	162.2	130.0	162.2	194.4	202.4	287.0	399.6	456.0	400.4
95°	687.2	662.8	565.3	467.7	565.3	662.8	687.2	902.5	1189.4	1332.9	1125.7
97.5°	1586.5	1540.1	1354.4	1168.8	1354.4	1540.1	1586.5	1722.5	1903.9	1994.6	1649.2
100°	2227.8	2172.6	1951.4	1730.3	1951.4	2172.6	2227.8	2217.9	2204.7	2198.0	1814.7
102.5°	2775.5	2728.2	2538.7	2349.4	2538.7	2728.2	2775.5	2602.2	2371.1	2255.6	1866.8
105°	3414.8	3389.4	3287.5	3185.7	3287.5	3389.4	3414.8	3026.3	2508.2	2249.2	1872.7
107.5°	3747.2	3753.4	3778.0	3802.6	3778.0	3753.4	3747.2	3205.3	2482.6	2121.3	1789.4
110°	3832.5	3859.0	3965.0	4071.1	3965.0	3859.0	3832.5	3226.6	2418.7	2014.8	1715.5



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3778.1	3818.8	3981.7	4144.6	3981.7	3818.8	3778.1	3158.0	2331.2	1917.8	1650.9
115°	3593.7	3650.2	3876.1	4101.9	3876.1	3650.2	3593.7	2996.4	2199.9	1801.7	1577.0
117.5°	3339.1	3401.7	3652.3	3902.8	3652.3	3401.7	3339.1	2800.0	2081.2	1721.8	1530.7
120°	3167.6	3228.4	3471.9	3715.2	3471.9	3228.4	3167.6	2675.0	2018.2	1689.8	1515.1
122.5°	2996.0	3056.1	3296.2	3536.3	3296.2	3056.1	2996.0	2552.5	1961.0	1665.3	1506.9
125°	2769.1	2824.3	3045.6	3266.7	3045.6	2824.3	2769.1	2392.2	1889.8	1638.6	1500.1
127.5°	2586.9	2633.5	2820.2	3006.7	2820.2	2633.5	2586.9	2263.4	1831.9	1616.3	1496.3
130°	2471.8	2515.0	2687.3	2859.7	2687.3	2515.0	2471.8	2183.8	1799.7	1607.7	1498.6
132.5°	2373.8	2412.4	2566.7	2721.2	2566.7	2412.4	2373.8	2115.9	1772.1	1600.3	1500.2
135°	2235.3	2268.6	2401.6	2534.7	2401.6	2268.6	2235.3	2019.4	1731.5	1587.5	1498.7
137.5°	2133.0	2160.3	2269.2	2378.1	2269.2	2160.3	2133.0	1950.5	1707.1	1585.4	1508.0
140°	2051.0	2076.5	2178.3	2280.1	2178.3	2076.5	2051.0	1893.3	1683.1	1577.9	1509.5
142.5°	1993.4	2015.3	2102.9	2190.6	2102.9	2015.3	1993.4	1854.9	1670.2	1577.9	1515.0
145°	1907.2	1923.8	1990.0	2056.3	1990.0	1923.8	1907.2	1793.8	1642.7	1567.2	1515.0
147.5°	1834.7	1848.4	1903.3	1958.3	1903.3	1848.4	1834.7	1745.5	1626.7	1567.2	1525.4
150°	1793.2	1804.3	1848.8	1893.3	1848.8	1804.3	1793.2	1717.8	1617.5	1567.2	1530.8
152.5°	1760.1	1768.5	1802.1	1835.8	1802.1	1768.5	1760.1	1695.8	1610.1	1567.2	1534.4
155°	1720.7	1726.3	1748.6	1770.8	1748.6	1726.3	1720.7	1669.6	1601.3	1567.2	1542.1
157.5°	1686.6	1690.6	1706.1	1721.8	1706.1	1690.6	1686.6	1646.8	1593.8	1567.2	1550.0
160°	1669.6	1671.8	1680.8	1689.8	1680.8	1671.8	1669.6	1635.5	1590.0	1567.2	1553.5
162.5°	1653.6	1655.7	1664.2	1672.7	1664.2	1655.7	1653.6	1624.8	1586.5	1567.2	1557.3
165°	1629.1	1631.3	1640.4	1649.3	1640.4	1631.3	1629.1	1608.5	1581.0	1567.2	1562.7
167.5°	1618.4	1619.3	1623.2	1626.9	1623.2	1619.3	1618.4	1604.9	1586.9	1577.9	1574.2
170°	1618.4	1618.4	1618.4	1618.4	1618.4	1618.4	1618.4	1604.9	1586.9	1577.9	1577.7
172.5°	1609.9	1609.0	1605.8	1602.4	1605.8	1609.0	1609.9	1599.2	1585.0	1577.9	1577.9
175°	1598.2	1598.2	1598.2	1598.2	1598.2	1598.2	1598.2	1591.4	1582.4	1577.9	1580.1
177.5°	1596.0	1595.1	1591.2	1587.5	1591.2	1595.1	1596.0	1590.7	1583.6	1580.1	1581.7
180°	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5	1587.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3055.4	3055.4	3055.4	3055.4	3055.4
2.5°	3017.8	3032.2	3041.0	3052.5	3081.4
5°	2902.2	2957.1	2974.4	3017.8	3069.8
7.5°	2647.8	2815.5	2861.7	2965.8	3046.7
10°	2402.1	2569.7	2650.7	2896.3	3017.8
12.5°	2277.8	2376.1	2431.0	2775.0	2977.3
15°	2199.7	2269.2	2309.6	2613.1	2931.1
17.5°	2139.1	2188.2	2217.1	2454.2	2867.5
20°	2101.5	2124.6	2150.6	2338.5	2795.2
22.5°	2075.4	2061.0	2081.3	2257.5	2696.9
25°	2058.1	2003.2	2026.3	2194.0	2581.3
27.5°	2072.5	1951.2	1959.8	2136.2	2459.9
30°	2075.4	1887.5	1890.4	2075.4	2324.1
32.5°	2055.2	1821.1	1824.0	2000.3	2170.9
35°	2006.1	1743.0	1740.1	1913.6	1962.7
37.5°	1939.6	1659.2	1659.2	1818.2	1734.4
40°	1858.7	1575.4	1584.1	1693.9	1532.0
42.5°	1760.4	1485.8	1497.4	1529.1	1381.7
45°	1653.4	1399.1	1407.7	1292.1	1266.1
47.5°	1535.0	1309.5	1312.4	1072.4	1228.5
50°	1393.3	1217.0	1205.3	919.2	1225.6
52.5°	1269.0	1115.7	1081.1	832.5	1112.8
55°	1147.6	1008.8	933.6	766.0	1032.0
57.5°	1040.6	870.1	797.8	688.0	1014.6
60°	942.4	734.2	679.3	604.1	930.7
62.5°	861.4	633.1	621.5	546.3	844.0
65°	774.7	563.6	560.7	497.2	716.9
67.5°	690.8	517.4	514.5	450.9	546.3
70°	601.2	468.3	462.5	401.8	404.7
72.5°	508.7	413.4	407.6	361.3	335.3
75°	416.2	349.8	346.9	315.1	271.7
77.5°	326.6	277.5	283.3	254.4	199.4
80°	234.1	202.3	208.2	182.1	150.3
82.5°	156.1	133.0	138.7	115.6	101.1
85°	86.7	75.2	78.1	60.7	46.2
87.5°	40.5	34.7	34.7	23.1	14.4
90°	46.9	29.8	27.7	19.2	10.7
92.5°	289.1	205.7	187.6	115.1	42.6
95°	711.3	400.6	367.4	234.9	102.3
97.5°	958.2	440.0	410.8	293.8	176.9
100°	1048.1	473.1	446.5	340.5	234.4
102.5°	1089.3	506.1	481.3	382.4	283.4
105°	1119.8	555.1	534.2	450.3	366.5
107.5°	1125.5	627.5	608.0	529.9	451.7
110°	1116.9	668.0	650.4	579.9	509.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1117.3	717.0	700.2	633.0	565.8
115°	1127.6	790.6	775.0	713.0	651.0
117.5°	1148.5	862.0	847.9	791.5	735.1
120°	1165.6	903.5	890.3	837.2	784.2
122.5°	1190.1	952.5	939.1	885.6	832.1
125°	1223.1	1015.4	1003.2	954.4	905.6
127.5°	1256.2	1076.1	1063.8	1014.5	965.3
130°	1280.3	1116.6	1103.4	1050.3	997.3
132.5°	1299.9	1149.7	1136.4	1083.4	1030.3
135°	1321.2	1188.0	1176.0	1127.6	1079.3
137.5°	1353.1	1236.9	1225.0	1177.2	1129.4
140°	1372.7	1270.0	1259.0	1215.0	1170.9
142.5°	1389.0	1294.5	1284.4	1243.6	1202.9
145°	1410.3	1331.8	1323.0	1287.4	1251.9
147.5°	1441.6	1378.7	1370.1	1335.5	1300.9
150°	1457.8	1403.2	1395.4	1364.1	1332.9
152.5°	1468.6	1419.2	1413.3	1389.6	1365.9
155°	1492.0	1454.3	1450.0	1432.5	1414.9
157.5°	1515.4	1489.5	1485.2	1468.2	1451.2
160°	1526.1	1505.5	1502.2	1488.9	1475.7
162.5°	1537.4	1522.6	1520.1	1510.1	1500.2
165°	1553.7	1547.0	1544.8	1535.7	1526.8
167.5°	1566.6	1560.9	1559.8	1555.5	1551.3
170°	1577.2	1576.9	1575.8	1571.5	1567.2
172.5°	1577.9	1577.9	1577.7	1576.7	1575.8
175°	1584.3	1587.5	1587.5	1587.5	1587.5
177.5°	1585.0	1587.5	1587.5	1587.5	1587.5
180°	1587.5	1587.5	1587.5	1587.5	1587.5



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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	13.39	14.19	14.40	15.22	16.58	16.23	17.03	17.24	18.05	19.41
	3H	13.86	14.58	14.88	15.61	16.99	17.57	18.29	18.59	19.32	20.70
	4H	14.05	14.73	15.08	15.77	17.15	18.01	18.70	19.05	19.73	21.12
	6H	14.17	14.80	15.21	15.83	17.23	18.30	18.93	19.34	19.96	21.36
	8H	14.17	14.76	15.21	15.82	17.21	18.37	18.97	19.42	20.02	21.42
	12H	14.13	14.70	15.19	15.75	17.17	18.41	18.98	19.46	20.03	21.45
4H	2H	14.42	15.10	15.46	16.13	17.52	16.63	17.31	17.67	18.35	19.73
	3H	15.44	16.01	16.49	17.07	18.47	18.13	18.70	19.18	19.76	21.16
	4H	15.71	16.23	16.77	17.29	18.71	18.66	19.18	19.71	20.23	21.66
	6H	15.83	16.28	16.90	17.36	18.78	19.02	19.47	20.09	20.55	21.97
	8H	15.84	16.26	16.90	17.32	18.76	19.13	19.55	20.20	20.62	22.05
	12H	15.80	16.18	16.89	17.26	18.70	19.19	19.56	20.27	20.65	22.08
8H	4H	16.16	16.58	17.23	17.65	19.08	18.78	19.20	19.84	20.26	21.70
	6H	16.42	16.77	17.51	17.88	19.31	19.22	19.56	20.30	20.67	22.10
	8H	16.46	16.77	17.56	17.86	19.31	19.37	19.67	20.46	20.76	22.22
	12H	16.45	16.71	17.54	17.80	19.29	19.47	19.73	20.56	20.82	22.31
12H	4H	16.17	16.54	17.25	17.63	19.07	18.74	19.12	19.82	20.20	21.64
	6H	16.48	16.79	17.58	17.88	19.33	19.21	19.52	20.31	20.61	22.06
	8H	16.55	16.81	17.65	17.90	19.39	19.37	19.64	20.47	20.73	22.22