

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: P935746

Luminaire Tested: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935746
REPORT IS A COMBINATION OF REPORTS P933768 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-8-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

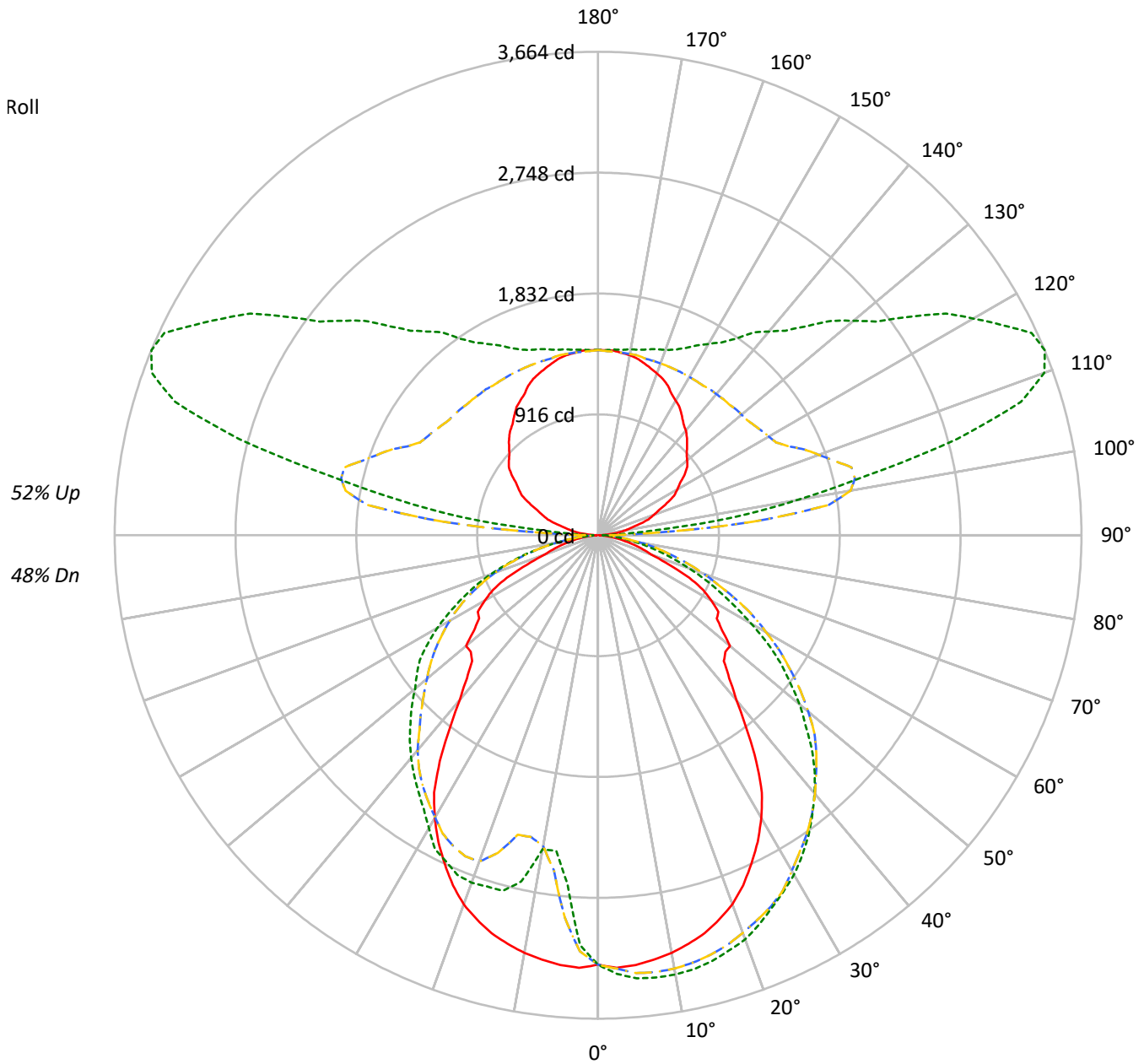
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17540.5 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: General Diffuse

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

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CATALOG NUMBER: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-8-4000K

Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15097	15097	15097	15097
5°	15210	15240	15210	11983
10°	15108	15012	15108	10733
15°	14944	14686	14944	12264
20°	14632	14301	14632	12289
25°	13992	13739	13992	12029
30°	13165	13273	13165	11457
35°	11737	12683	11737	10829
40°	9779	11988	9779	10354
45°	8738	11175	8738	9808
50°	9283	10205	9283	9260
55°	8734	9160	8734	8943
60°	9003	7780	9003	8191
65°	8163	6431	8163	7188
70°	5653	5125	5653	6026
75°	4957	3788	4957	4536
80°	3994	2505	3994	2727
85°	2292	1327	2292	1128

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13392 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.7	1.7
10°-20°	834.0	4.8
20°-30°	1289.2	7.3
30°-40°	1539.0	8.8
40°-50°	1548.0	8.8
50°-60°	1346.9	7.7
60°-70°	955.0	5.4
70°-80°	505.3	2.9
80°-90°	131.2	0.7
90°-100°	684.1	3.9
100°-110°	1798.6	10.3
110°-120°	1865.0	10.6
120°-130°	1495.9	8.5
130°-140°	1173.8	6.7
140°-150°	900.9	5.1
150°-160°	648.8	3.7
160°-170°	397.0	2.3
170°-180°	134.1	0.8
0°-30°	2416.9	13.8
0°-40°	3955.8	22.6
0°-60°	6850.8	39.1
0°-90°	8442.3	48.1
90°-120°	4347.7	24.8
90°-150°	7918.4	45.1
90°-180°	9098.0	51.9
0°-180°	17540.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3254	3254	3254	3254	3254	
5°	3269	3371	3269	2651	3269	310
15°	3122	3340	3122	2789	3122	878
25°	2749	3115	2749	2728	2749	1262
35°	2090	2780	2090	2374	2090	1293
45°	1348	2290	1348	2010	1348	1080
55°	1099	1690	1099	1650	1099	1010
65°	764	1019	764	1139	764	730
75°	289	483	289	579	289	304
85°	49	123	49	105	49	66
90°	10	36	10	36	10	10
95°	90	414	90	414	90	100
105°	324	2816	324	2816	324	343
115°	576	3626	576	3626	576	568
125°	801	2888	801	2888	801	711
135°	954	2241	954	2241	954	738
145°	1107	1818	1107	1818	1107	693
155°	1251	1566	1251	1566	1251	575
165°	1350	1458	1350	1458	1350	381
175°	1404	1413	1404	1413	1404	133
180°	1404	1404	1404	1404	1404	



TEST NUMBER: P935746

CATALOG NUMBER: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0
2.5°	3281.6	3281.6	3300.1	3306.3	3306.3	3297.1	3287.8	3297.1	3324.7	3334.0	3330.9
5°	3269.3	3294.0	3327.8	3334.0	3340.1	3337.1	3330.9	3337.1	3367.8	3374.0	3377.1
7.5°	3244.7	3290.9	3334.0	3343.2	3352.5	3343.2	3340.1	3346.3	3377.1	3383.2	3383.2
10°	3213.9	3278.6	3327.8	3334.0	3343.2	3334.0	3334.0	3346.3	3377.1	3383.2	3386.3
12.5°	3170.8	3260.0	3306.3	3312.4	3324.7	3321.6	3318.6	3330.9	3361.7	3367.8	3367.8
15°	3121.6	3226.2	3269.3	3275.5	3297.1	3290.9	3290.9	3303.2	3337.1	3346.3	3343.2
17.5°	3053.8	3183.1	3232.4	3241.6	3257.0	3254.0	3257.0	3269.3	3300.1	3306.3	3309.4
20°	2976.9	3124.6	3183.1	3192.4	3207.7	3207.7	3207.7	3223.1	3254.0	3266.2	3266.2
22.5°	2872.2	3063.1	3124.6	3130.8	3149.3	3149.3	3155.4	3177.0	3204.7	3207.7	3207.7
25°	2749.1	2995.3	3047.6	3066.1	3084.6	3093.9	3103.1	3115.4	3124.6	3121.6	3124.6
27.5°	2619.8	2909.1	2976.9	2989.2	3013.8	3023.1	3035.4	3038.5	3041.6	3050.7	3044.6
30°	2475.1	2789.1	2890.6	2903.0	2943.0	2949.1	2936.9	2943.0	2958.4	2964.6	2970.7
32.5°	2311.9	2610.6	2801.4	2829.2	2866.1	2847.6	2844.5	2853.7	2878.4	2878.4	2884.5
35°	2090.3	2472.0	2718.3	2742.9	2770.6	2749.1	2761.4	2764.5	2779.9	2789.1	2786.0
37.5°	1847.1	2352.0	2632.1	2650.6	2672.1	2644.4	2662.9	2672.1	2684.4	2678.2	2678.2
40°	1631.6	2164.1	2530.5	2542.8	2561.3	2539.7	2558.2	2564.4	2570.5	2564.4	2561.3
42.5°	1471.5	1957.9	2422.7	2438.1	2425.8	2441.2	2447.4	2459.7	2450.5	2438.1	2438.1
45°	1348.4	1902.5	2305.7	2324.2	2305.7	2330.4	2339.7	2339.7	2311.9	2305.7	2302.7
47.5°	1308.3	1791.6	2188.8	2188.8	2179.6	2210.3	2225.7	2204.1	2176.5	2167.2	2167.2
50°	1305.2	1668.5	2028.7	2016.4	2059.5	2096.4	2081.1	2059.5	2038.0	2004.1	2004.1
52.5°	1185.2	1517.6	1822.5	1868.7	1936.3	1957.9	1933.3	1911.7	1874.8	1859.4	1847.1
55°	1099.0	1360.7	1634.7	1727.0	1797.8	1825.6	1779.3	1757.8	1702.4	1693.2	1687.0
57.5°	1080.6	1132.9	1462.2	1579.2	1665.5	1662.4	1634.7	1594.7	1548.5	1539.2	1536.2
60°	991.2	818.9	1277.6	1416.1	1505.4	1496.2	1471.5	1434.6	1391.5	1385.3	1379.2
62.5°	898.9	594.2	1068.2	1225.2	1351.4	1348.4	1326.8	1271.4	1240.7	1225.2	1212.9
65°	763.5	498.8	760.4	1019.0	1200.6	1206.7	1160.6	1120.6	1086.7	1068.2	1065.2
67.5°	581.8	406.3	514.1	849.7	1055.9	1049.7	991.2	972.8	929.7	920.5	902.0
70°	431.0	270.9	357.1	689.6	914.3	898.9	852.7	831.2	791.2	769.6	757.3
72.5°	357.1	218.6	261.7	535.7	769.6	751.2	711.2	686.5	652.7	634.2	621.8
75°	289.4	230.9	200.1	397.1	624.9	612.6	575.7	551.1	523.3	498.8	501.8
77.5°	212.4	215.5	160.1	292.4	495.7	477.2	455.6	424.8	412.5	387.9	387.9
80°	160.1	169.3	120.1	200.1	357.1	357.1	338.7	317.1	295.5	283.3	283.3
82.5°	107.7	107.7	89.2	126.3	243.2	234.0	221.7	215.5	203.2	197.0	197.0
85°	49.2	61.6	55.4	77.0	132.4	138.5	138.5	132.4	129.3	123.2	126.3
87.5°	15.4	27.7	33.8	43.1	67.8	70.8	73.9	73.9	73.9	77.0	77.0
90°	9.5	17.0	24.5	26.4	41.5	61.6	71.6	63.6	47.7	35.7	35.7
92.5°	37.7	101.7	165.8	181.8	255.6	353.9	403.2	353.3	253.7	178.9	171.8
95°	90.4	207.7	324.9	354.2	628.9	995.2	1178.3	1051.5	797.8	607.5	586.0
97.5°	156.4	259.8	363.2	389.1	847.1	1458.0	1763.3	1683.2	1522.8	1402.6	1361.5
100°	207.2	301.0	394.8	418.3	926.6	1604.3	1943.3	1949.1	1960.8	1969.6	1920.8
102.5°	250.5	338.0	425.5	447.5	963.0	1650.4	1994.1	2096.3	2300.6	2453.7	2411.9
105°	324.0	398.1	472.2	490.7	990.0	1655.6	1988.5	2217.4	2675.4	3018.9	2996.4
107.5°	399.4	468.5	537.5	554.8	995.0	1581.9	1875.4	2194.9	2833.7	3312.8	3318.3
110°	450.3	512.7	575.1	590.6	987.5	1516.6	1781.3	2138.4	2852.5	3388.1	3411.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	500.2	559.6	619.1	633.9	987.8	1459.6	1695.5	2061.0	2791.9	3340.1	3376.1
115°	575.5	630.4	685.1	698.9	996.9	1394.2	1592.9	1944.9	2649.0	3177.2	3227.1
117.5°	649.9	699.8	749.5	762.0	1015.4	1353.3	1522.2	1839.9	2475.4	2952.0	3007.4
120°	693.2	740.2	787.0	798.8	1030.4	1339.4	1493.9	1784.3	2364.9	2800.4	2854.2
122.5°	735.6	782.9	830.2	842.1	1052.1	1332.2	1472.2	1733.7	2256.6	2648.8	2701.8
125°	800.7	843.8	886.9	897.6	1081.3	1326.3	1448.7	1670.8	2115.0	2448.1	2497.0
127.5°	853.4	897.0	940.5	951.4	1110.6	1322.8	1428.9	1619.6	2001.0	2287.0	2328.2
130°	881.6	928.6	975.4	987.1	1131.9	1324.9	1421.4	1591.1	1930.7	2185.3	2223.4
132.5°	910.8	957.8	1004.6	1016.3	1149.1	1326.3	1414.8	1566.8	1870.7	2098.6	2132.7
135°	954.2	996.9	1039.6	1050.3	1168.0	1325.0	1403.5	1530.7	1785.3	1976.2	2005.6
137.5°	998.4	1040.7	1083.0	1093.6	1196.3	1333.2	1401.6	1509.2	1724.4	1885.8	1909.9
140°	1035.2	1074.1	1113.0	1122.8	1213.5	1334.5	1395.0	1488.0	1673.8	1813.3	1835.7
142.5°	1063.5	1099.5	1135.4	1144.4	1227.9	1339.3	1395.0	1476.6	1639.9	1762.3	1781.7
145°	1106.8	1138.1	1169.6	1177.4	1246.8	1339.3	1385.6	1452.3	1586.0	1686.1	1700.7
147.5°	1150.1	1180.7	1211.3	1218.9	1274.5	1348.5	1385.6	1438.1	1543.2	1622.1	1634.2
150°	1178.3	1206.0	1233.6	1240.6	1288.9	1353.4	1385.6	1429.9	1518.7	1585.3	1595.1
152.5°	1207.5	1228.5	1249.4	1254.7	1298.3	1356.5	1385.6	1423.5	1499.3	1556.1	1563.6
155°	1250.9	1266.4	1281.9	1285.8	1319.1	1363.4	1385.6	1415.8	1476.1	1521.3	1526.2
157.5°	1283.0	1298.0	1313.1	1316.8	1339.7	1370.3	1385.6	1409.0	1455.9	1491.1	1494.5
160°	1304.6	1316.3	1328.1	1331.0	1349.2	1373.5	1385.6	1405.7	1445.9	1476.0	1478.0
162.5°	1326.3	1335.0	1343.8	1346.0	1359.2	1376.7	1385.6	1402.5	1436.4	1461.9	1463.8
165°	1349.8	1357.8	1365.7	1367.7	1373.6	1381.6	1385.6	1397.7	1422.0	1440.2	1442.2
167.5°	1371.5	1375.2	1379.0	1379.9	1384.9	1391.7	1395.0	1402.9	1418.9	1430.8	1431.6
170°	1385.6	1389.4	1393.2	1394.1	1394.4	1394.8	1395.0	1402.9	1418.9	1430.8	1430.8
172.5°	1393.1	1393.9	1394.8	1395.0	1395.0	1395.0	1395.0	1401.3	1413.8	1423.3	1422.6
175°	1403.5	1403.5	1403.5	1403.5	1400.7	1396.9	1395.0	1399.0	1406.9	1412.9	1412.9
177.5°	1403.5	1403.5	1403.5	1403.5	1401.3	1398.4	1396.9	1400.0	1406.3	1411.0	1410.2
180°	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0
2.5°	3337.1	3327.8	3337.1	3330.9	3334.0	3324.7	3297.1	3287.8	3297.1	3306.3	3306.3
5°	3377.1	3370.9	3377.1	3377.1	3374.0	3367.8	3337.1	3330.9	3337.1	3340.1	3334.0
7.5°	3389.4	3380.1	3389.4	3383.2	3383.2	3377.1	3346.3	3340.1	3343.2	3352.5	3343.2
10°	3389.4	3380.1	3389.4	3386.3	3383.2	3377.1	3346.3	3334.0	3334.0	3343.2	3334.0
12.5°	3374.0	3367.8	3374.0	3367.8	3367.8	3361.7	3330.9	3318.6	3321.6	3324.7	3312.4
15°	3349.4	3340.1	3349.4	3343.2	3346.3	3337.1	3303.2	3290.9	3290.9	3297.1	3275.5
17.5°	3312.4	3300.1	3312.4	3309.4	3306.3	3300.1	3269.3	3257.0	3254.0	3257.0	3241.6
20°	3269.3	3260.0	3269.3	3266.2	3266.2	3254.0	3223.1	3207.7	3207.7	3207.7	3192.4
22.5°	3201.6	3192.4	3201.6	3207.7	3207.7	3204.7	3177.0	3155.4	3149.3	3149.3	3130.8
25°	3124.6	3115.4	3124.6	3124.6	3121.6	3124.6	3115.4	3103.1	3093.9	3084.6	3066.1
27.5°	3050.7	3044.6	3050.7	3044.6	3050.7	3041.6	3038.5	3035.4	3023.1	3013.8	2989.2
30°	2976.9	2970.7	2976.9	2970.7	2964.6	2958.4	2943.0	2936.9	2949.1	2943.0	2903.0
32.5°	2884.5	2878.4	2884.5	2884.5	2878.4	2878.4	2853.7	2844.5	2847.6	2866.1	2829.2
35°	2789.1	2779.9	2789.1	2786.0	2789.1	2779.9	2764.5	2761.4	2749.1	2770.6	2742.9
37.5°	2678.2	2669.1	2678.2	2678.2	2678.2	2684.4	2672.1	2662.9	2644.4	2672.1	2650.6
40°	2564.4	2552.1	2564.4	2561.3	2564.4	2570.5	2564.4	2558.2	2539.7	2561.3	2542.8
42.5°	2435.1	2432.0	2435.1	2438.1	2438.1	2450.5	2459.7	2447.4	2441.2	2425.8	2438.1
45°	2296.6	2290.4	2296.6	2302.7	2305.7	2311.9	2339.7	2339.7	2330.4	2305.7	2324.2
47.5°	2148.7	2133.4	2148.7	2167.2	2167.2	2176.5	2204.1	2225.7	2210.3	2179.6	2188.8
50°	1991.7	1994.8	1991.7	2004.1	2004.1	2038.0	2059.5	2081.1	2096.4	2059.5	2016.4
52.5°	1837.8	1834.7	1837.8	1847.1	1859.4	1874.8	1911.7	1933.3	1957.9	1936.3	1868.7
55°	1683.9	1690.1	1683.9	1687.0	1693.2	1702.4	1757.8	1779.3	1825.6	1797.8	1727.0
57.5°	1530.0	1520.7	1530.0	1536.2	1539.2	1548.5	1594.7	1634.7	1662.4	1665.5	1579.2
60°	1351.4	1339.2	1351.4	1379.2	1385.3	1391.5	1434.6	1471.5	1496.2	1505.4	1416.1
62.5°	1194.4	1172.9	1194.4	1212.9	1225.2	1240.7	1271.4	1326.8	1348.4	1351.4	1225.2
65°	1028.2	1019.0	1028.2	1065.2	1068.2	1086.7	1120.6	1160.6	1206.7	1200.6	1019.0
67.5°	877.3	877.3	877.3	902.0	920.5	929.7	972.8	991.2	1049.7	1055.9	849.7
70°	738.8	735.7	738.8	757.3	769.6	791.2	831.2	852.7	898.9	914.3	689.6
72.5°	606.5	603.4	606.5	621.8	634.2	652.7	686.5	711.2	751.2	769.6	535.7
75°	489.5	483.3	489.5	501.8	498.8	523.3	551.1	575.7	612.6	624.9	397.1
77.5°	375.6	375.6	375.6	387.9	387.9	412.5	424.8	455.6	477.2	495.7	292.4
80°	280.2	277.1	280.2	283.3	283.3	295.5	317.1	338.7	357.1	357.1	200.1
82.5°	197.0	190.8	197.0	197.0	197.0	203.2	215.5	221.7	234.0	243.2	126.3
85°	123.2	123.2	123.2	126.3	123.2	129.3	132.4	138.5	138.5	132.4	77.0
87.5°	80.0	77.0	80.0	77.0	77.0	73.9	73.9	73.9	70.8	67.8	43.1
90°	35.7	35.7	35.7	35.7	35.7	47.7	63.6	71.6	61.6	41.5	26.4
92.5°	143.4	114.9	143.4	171.8	178.9	253.7	353.3	403.2	353.9	255.6	181.8
95°	499.8	413.5	499.8	586.0	607.5	797.8	1051.5	1178.3	995.2	628.9	354.2
97.5°	1197.4	1033.3	1197.4	1361.5	1402.6	1522.8	1683.2	1763.3	1458.0	847.1	389.1
100°	1725.2	1529.7	1725.2	1920.8	1969.6	1960.8	1949.1	1943.3	1604.3	926.6	418.3
102.5°	2244.4	2077.0	2244.4	2411.9	2453.7	2300.6	2096.3	1994.1	1650.4	963.0	447.5
105°	2906.4	2816.4	2906.4	2996.4	3018.9	2675.4	2217.4	1988.5	1655.6	990.0	490.7
107.5°	3340.0	3361.7	3340.0	3318.3	3312.8	2833.7	2194.9	1875.4	1581.9	995.0	554.8
110°	3505.4	3599.2	3505.4	3411.6	3388.1	2852.5	2138.4	1781.3	1516.6	987.5	590.6



TEST NUMBER: P935746

CATALOG NUMBER: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3520.1	3664.1	3520.1	3376.1	3340.1	2791.9	2061.0	1695.5	1459.6	987.8	633.9
115°	3426.8	3626.4	3426.8	3227.1	3177.2	2649.0	1944.9	1592.9	1394.2	996.9	698.9
117.5°	3228.8	3450.3	3228.8	3007.4	2952.0	2475.4	1839.9	1522.2	1353.3	1015.4	762.0
120°	3069.4	3284.5	3069.4	2854.2	2800.4	2364.9	1784.3	1493.9	1339.4	1030.4	798.8
122.5°	2914.1	3126.3	2914.1	2701.8	2648.8	2256.6	1733.7	1472.2	1332.2	1052.1	842.1
125°	2692.5	2888.0	2692.5	2497.0	2448.1	2115.0	1670.8	1448.7	1326.3	1081.3	897.6
127.5°	2493.2	2658.1	2493.2	2328.2	2287.0	2001.0	1619.6	1428.9	1322.8	1110.6	951.4
130°	2375.8	2528.2	2375.8	2223.4	2185.3	1930.7	1591.1	1421.4	1324.9	1131.9	987.1
132.5°	2269.3	2405.7	2269.3	2132.7	2098.6	1870.7	1566.8	1414.8	1326.3	1149.1	1016.3
135°	2123.3	2240.9	2123.3	2005.6	1976.2	1785.3	1530.7	1403.5	1325.0	1168.0	1050.3
137.5°	2006.1	2102.4	2006.1	1909.9	1885.8	1724.4	1509.2	1401.6	1333.2	1196.3	1093.6
140°	1925.8	2015.8	1925.8	1835.7	1813.3	1673.8	1488.0	1395.0	1334.5	1213.5	1122.8
142.5°	1859.1	1936.6	1859.1	1781.7	1762.3	1639.9	1476.6	1395.0	1339.3	1227.9	1144.4
145°	1759.3	1817.9	1759.3	1700.7	1686.1	1586.0	1452.3	1385.6	1339.3	1246.8	1177.4
147.5°	1682.7	1731.3	1682.7	1634.2	1622.1	1543.2	1438.1	1385.6	1348.5	1274.5	1218.9
150°	1634.5	1673.8	1634.5	1595.1	1585.3	1518.7	1429.9	1385.6	1353.4	1288.9	1240.6
152.5°	1593.2	1623.0	1593.2	1563.6	1556.1	1499.3	1423.5	1385.6	1356.5	1298.3	1254.7
155°	1545.8	1565.5	1545.8	1526.2	1521.3	1476.1	1415.8	1385.6	1363.4	1319.1	1285.8
157.5°	1508.4	1522.2	1508.4	1494.5	1491.1	1455.9	1409.0	1385.6	1370.3	1339.7	1316.8
160°	1485.9	1493.9	1485.9	1478.0	1476.0	1445.9	1405.7	1385.6	1373.5	1349.2	1331.0
162.5°	1471.3	1478.9	1471.3	1463.8	1461.9	1436.4	1402.5	1385.6	1376.7	1359.2	1346.0
165°	1450.1	1458.1	1450.1	1442.2	1440.2	1422.0	1397.7	1385.6	1381.6	1373.6	1367.7
167.5°	1435.0	1438.3	1435.0	1431.6	1430.8	1418.9	1402.9	1395.0	1391.7	1384.9	1379.9
170°	1430.8	1430.8	1430.8	1430.8	1430.8	1418.9	1402.9	1395.0	1394.8	1394.4	1394.1
172.5°	1419.6	1416.7	1419.6	1422.6	1423.3	1413.8	1401.3	1395.0	1395.0	1395.0	1395.0
175°	1412.9	1412.9	1412.9	1412.9	1412.9	1406.9	1399.0	1395.0	1396.9	1400.7	1403.5
177.5°	1406.8	1403.5	1406.8	1410.2	1411.0	1406.3	1400.0	1396.9	1398.4	1401.3	1403.5
180°	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5



TEST NUMBER: P935746

CATALOG NUMBER: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0
2.5°	3300.1	3281.6	3281.6	3250.9	3238.6	3229.3	3213.9	3167.7	3155.4	3143.1	3161.6
5°	3327.8	3294.0	3269.3	3213.9	3167.7	3149.3	3090.8	2980.0	2906.1	2850.6	2819.9
7.5°	3334.0	3290.9	3244.7	3158.5	3047.6	2998.4	2819.9	2616.7	2561.3	2512.1	2481.2
10°	3327.8	3278.6	3213.9	3084.6	2823.0	2736.7	2558.2	2425.8	2392.0	2382.7	2392.0
12.5°	3306.3	3260.0	3170.8	2955.3	2589.0	2530.5	2425.8	2348.9	2342.7	2358.1	2441.2
15°	3269.3	3226.2	3121.6	2782.9	2459.7	2416.6	2342.7	2315.0	2348.9	2456.7	2706.0
17.5°	3232.4	3183.1	3053.8	2613.7	2361.1	2330.4	2278.1	2333.5	2524.3	2669.1	2752.1
20°	3183.1	3124.6	2976.9	2490.5	2290.4	2262.6	2238.1	2487.4	2632.1	2684.4	2730.6
22.5°	3124.6	3063.1	2872.2	2404.3	2216.5	2195.0	2210.3	2573.6	2632.1	2669.1	2709.1
25°	3047.6	2995.3	2749.1	2336.6	2158.0	2133.4	2191.9	2564.4	2598.2	2607.5	2687.5
27.5°	2976.9	2909.1	2619.8	2275.0	2087.2	2078.0	2207.2	2524.3	2549.0	2558.2	2644.4
30°	2890.6	2789.1	2475.1	2210.3	2013.3	2010.2	2210.3	2475.1	2468.9	2493.6	2579.7
32.5°	2801.4	2610.6	2311.9	2130.3	1942.5	1939.4	2188.8	2401.2	2395.1	2428.9	2493.6
35°	2718.3	2472.0	2090.3	2038.0	1853.2	1856.3	2136.5	2315.0	2318.1	2348.9	2388.9
37.5°	2632.1	2352.0	1847.1	1936.3	1767.1	1767.1	2065.6	2235.0	2228.8	2238.1	2293.5
40°	2530.5	2164.1	1631.6	1804.0	1687.0	1677.7	1979.5	2148.7	2127.2	2124.2	2201.1
42.5°	2422.7	1957.9	1471.5	1628.5	1594.7	1582.3	1874.8	2044.1	2004.1	2013.3	2111.8
45°	2305.7	1902.5	1348.4	1376.1	1499.2	1490.0	1760.9	1924.1	1896.3	1921.0	2022.6
47.5°	2188.8	1791.6	1308.3	1142.1	1397.7	1394.6	1634.7	1807.1	1791.6	1816.3	1924.1
50°	2028.7	1668.5	1305.2	979.0	1283.7	1296.1	1483.8	1693.2	1693.2	1714.7	1828.6
52.5°	1822.5	1517.6	1185.2	886.6	1151.3	1188.3	1351.4	1594.7	1600.8	1622.3	1723.9
55°	1634.7	1360.7	1099.0	815.8	994.3	1074.4	1222.2	1493.1	1505.4	1526.9	1619.2
57.5°	1462.2	1132.9	1080.6	732.7	849.7	926.6	1108.2	1394.6	1400.7	1419.2	1508.5
60°	1277.6	818.9	991.2	643.4	723.4	781.9	1003.6	1277.6	1299.1	1311.4	1388.4
62.5°	1068.2	594.2	898.9	581.8	661.9	674.2	917.4	1166.7	1194.4	1203.7	1249.8
65°	760.4	498.8	763.5	529.5	597.2	600.3	825.0	1052.8	1077.5	1092.8	1126.7
67.5°	514.1	406.3	581.8	480.2	548.0	551.1	735.7	920.5	954.3	966.7	988.2
70°	357.1	270.9	431.0	427.9	492.6	498.8	640.3	800.4	831.2	840.4	852.7
72.5°	261.7	218.6	357.1	384.8	434.1	440.3	541.8	664.9	695.7	705.0	711.2
75°	200.1	230.9	289.4	335.6	369.4	372.5	443.3	541.8	563.3	569.5	572.6
77.5°	160.1	215.5	212.4	270.9	301.7	295.5	347.8	418.7	437.2	437.2	437.2
80°	120.1	169.3	160.1	193.9	221.7	215.5	249.3	298.6	304.7	310.9	307.8
82.5°	89.2	107.7	107.7	123.2	147.7	141.6	166.3	193.9	193.9	193.9	200.1
85°	55.4	61.6	49.2	64.7	83.1	80.0	92.3	104.7	107.7	107.7	101.6
87.5°	33.8	27.7	15.4	24.7	36.9	36.9	43.1	46.2	43.1	43.1	43.1
90°	24.5	17.0	9.5	17.0	24.5	26.4	41.5	61.6	71.6	63.6	47.7
92.5°	165.8	101.7	37.7	101.7	165.8	181.8	255.6	353.9	403.2	353.3	253.7
95°	324.9	207.7	90.4	207.7	324.9	354.2	628.9	995.2	1178.3	1051.5	797.8
97.5°	363.2	259.8	156.4	259.8	363.2	389.1	847.1	1458.0	1763.3	1683.2	1522.8
100°	394.8	301.0	207.2	301.0	394.8	418.3	926.6	1604.3	1943.3	1949.1	1960.8
102.5°	425.5	338.0	250.5	338.0	425.5	447.5	963.0	1650.4	1994.1	2096.3	2300.6
105°	472.2	398.1	324.0	398.1	472.2	490.7	990.0	1655.6	1988.5	2217.4	2675.4
107.5°	537.5	468.5	399.4	468.5	537.5	554.8	995.0	1581.9	1875.4	2194.9	2833.7
110°	575.1	512.7	450.3	512.7	575.1	590.6	987.5	1516.6	1781.3	2138.4	2852.5



TEST NUMBER: P935746

CATALOG NUMBER: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	619.1	559.6	500.2	559.6	619.1	633.9	987.8	1459.6	1695.5	2061.0	2791.9
115°	685.1	630.4	575.5	630.4	685.1	698.9	996.9	1394.2	1592.9	1944.9	2649.0
117.5°	749.5	699.8	649.9	699.8	749.5	762.0	1015.4	1353.3	1522.2	1839.9	2475.4
120°	787.0	740.2	693.2	740.2	787.0	798.8	1030.4	1339.4	1493.9	1784.3	2364.9
122.5°	830.2	782.9	735.6	782.9	830.2	842.1	1052.1	1332.2	1472.2	1733.7	2256.6
125°	886.9	843.8	800.7	843.8	886.9	897.6	1081.3	1326.3	1448.7	1670.8	2115.0
127.5°	940.5	897.0	853.4	897.0	940.5	951.4	1110.6	1322.8	1428.9	1619.6	2001.0
130°	975.4	928.6	881.6	928.6	975.4	987.1	1131.9	1324.9	1421.4	1591.1	1930.7
132.5°	1004.6	957.8	910.8	957.8	1004.6	1016.3	1149.1	1326.3	1414.8	1566.8	1870.7
135°	1039.6	996.9	954.2	996.9	1039.6	1050.3	1168.0	1325.0	1403.5	1530.7	1785.3
137.5°	1083.0	1040.7	998.4	1040.7	1083.0	1093.6	1196.3	1333.2	1401.6	1509.2	1724.4
140°	1113.0	1074.1	1035.2	1074.1	1113.0	1122.8	1213.5	1334.5	1395.0	1488.0	1673.8
142.5°	1135.4	1099.5	1063.5	1099.5	1135.4	1144.4	1227.9	1339.3	1395.0	1476.6	1639.9
145°	1169.6	1138.1	1106.8	1138.1	1169.6	1177.4	1246.8	1339.3	1385.6	1452.3	1586.0
147.5°	1211.3	1180.7	1150.1	1180.7	1211.3	1218.9	1274.5	1348.5	1385.6	1438.1	1543.2
150°	1233.6	1206.0	1178.3	1206.0	1233.6	1240.6	1288.9	1353.4	1385.6	1429.9	1518.7
152.5°	1249.4	1228.5	1207.5	1228.5	1249.4	1254.7	1298.3	1356.5	1385.6	1423.5	1499.3
155°	1281.9	1266.4	1250.9	1266.4	1281.9	1285.8	1319.1	1363.4	1385.6	1415.8	1476.1
157.5°	1313.1	1298.0	1283.0	1298.0	1313.1	1316.8	1339.7	1370.3	1385.6	1409.0	1455.9
160°	1328.1	1316.3	1304.6	1316.3	1328.1	1331.0	1349.2	1373.5	1385.6	1405.7	1445.9
162.5°	1343.8	1335.0	1326.3	1335.0	1343.8	1346.0	1359.2	1376.7	1385.6	1402.5	1436.4
165°	1365.7	1357.8	1349.8	1357.8	1365.7	1367.7	1373.6	1381.6	1385.6	1397.7	1422.0
167.5°	1379.0	1375.2	1371.5	1375.2	1379.0	1379.9	1384.9	1391.7	1395.0	1402.9	1418.9
170°	1393.2	1389.4	1385.6	1389.4	1393.2	1394.1	1394.4	1394.8	1395.0	1402.9	1418.9
172.5°	1394.8	1393.9	1393.1	1393.9	1394.8	1395.0	1395.0	1395.0	1395.0	1401.3	1413.8
175°	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1400.7	1396.9	1395.0	1399.0	1406.9
177.5°	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1401.3	1398.4	1396.9	1400.0	1406.3
180°	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5



TEST NUMBER: P935746

CATALOG NUMBER: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0
2.5°	3140.1	3130.8	3143.1	3109.2	3143.1	3130.8	3140.1	3161.6	3143.1	3155.4	3167.7
5°	2755.2	2739.8	2690.6	2650.6	2690.6	2739.8	2755.2	2819.9	2850.6	2906.1	2980.0
7.5°	2462.8	2450.5	2438.1	2413.5	2438.1	2450.5	2462.8	2481.2	2512.1	2561.3	2616.7
10°	2398.2	2401.2	2419.6	2416.6	2419.6	2401.2	2398.2	2392.0	2382.7	2392.0	2425.8
12.5°	2564.4	2592.1	2693.6	2687.5	2693.6	2592.1	2564.4	2441.2	2358.1	2342.7	2348.9
15°	2755.2	2764.5	2786.0	2789.1	2786.0	2764.5	2755.2	2706.0	2456.7	2348.9	2315.0
17.5°	2773.7	2776.8	2792.1	2792.1	2792.1	2776.8	2773.7	2752.1	2669.1	2524.3	2333.5
20°	2758.3	2764.5	2795.2	2801.4	2795.2	2764.5	2758.3	2730.6	2684.4	2632.1	2487.4
22.5°	2752.1	2764.5	2789.1	2786.0	2789.1	2764.5	2752.1	2709.1	2669.1	2632.1	2573.6
25°	2721.4	2721.4	2724.5	2727.5	2724.5	2721.4	2721.4	2687.5	2607.5	2598.2	2564.4
27.5°	2656.7	2662.9	2681.3	2678.2	2681.3	2662.9	2656.7	2644.4	2558.2	2549.0	2524.3
30°	2598.2	2592.1	2576.6	2564.4	2576.6	2592.1	2598.2	2579.7	2493.6	2468.9	2475.1
32.5°	2499.7	2484.3	2468.9	2459.7	2468.9	2484.3	2499.7	2493.6	2428.9	2395.1	2401.2
35°	2382.7	2385.8	2382.7	2373.5	2382.7	2385.8	2382.7	2388.9	2348.9	2318.1	2315.0
37.5°	2299.7	2305.7	2302.7	2290.4	2302.7	2305.7	2299.7	2293.5	2238.1	2228.8	2235.0
40°	2213.4	2216.5	2213.4	2204.1	2213.4	2216.5	2213.4	2201.1	2124.2	2127.2	2148.7
42.5°	2130.3	2127.2	2118.0	2111.8	2118.0	2127.2	2130.3	2111.8	2013.3	2004.1	2044.1
45°	2034.9	2038.0	2019.5	2010.2	2019.5	2038.0	2034.9	2022.6	1921.0	1896.3	1924.1
47.5°	1939.4	1939.4	1924.1	1914.8	1924.1	1939.4	1939.4	1924.1	1816.3	1791.6	1807.1
50°	1837.8	1834.7	1813.2	1810.2	1813.2	1834.7	1837.8	1828.6	1714.7	1693.2	1693.2
52.5°	1720.9	1720.9	1723.9	1730.1	1723.9	1720.9	1720.9	1723.9	1622.3	1600.8	1594.7
55°	1619.2	1622.3	1643.9	1650.1	1643.9	1622.3	1619.2	1619.2	1526.9	1505.4	1493.1
57.5°	1514.6	1514.6	1530.0	1530.0	1530.0	1514.6	1514.6	1508.5	1419.2	1400.7	1394.6
60°	1394.6	1400.7	1413.0	1409.9	1413.0	1400.7	1394.6	1388.4	1311.4	1299.1	1277.6
62.5°	1268.3	1274.5	1277.6	1271.4	1277.6	1274.5	1268.3	1249.8	1203.7	1194.4	1166.7
65°	1136.0	1142.1	1145.2	1139.0	1145.2	1142.1	1136.0	1126.7	1092.8	1077.5	1052.8
67.5°	1000.5	997.4	994.3	1006.7	994.3	997.4	1000.5	988.2	966.7	954.3	920.5
70°	862.0	862.0	858.9	865.1	858.9	862.0	862.0	852.7	840.4	831.2	800.4
72.5°	714.2	711.2	723.4	714.2	723.4	711.2	714.2	711.2	705.0	695.7	664.9
75°	569.5	575.7	569.5	578.7	569.5	575.7	569.5	572.6	569.5	563.3	541.8
77.5°	434.1	440.3	434.1	434.1	434.1	440.3	434.1	437.2	437.2	437.2	418.7
80°	307.8	304.7	304.7	301.7	304.7	304.7	307.8	307.8	310.9	304.7	298.6
82.5°	197.0	193.9	193.9	200.1	193.9	193.9	197.0	200.1	193.9	193.9	193.9
85°	107.7	110.8	104.7	104.7	104.7	110.8	107.7	101.6	107.7	107.7	104.7
87.5°	40.0	36.9	36.9	36.9	36.9	36.9	40.0	43.1	43.1	43.1	46.2
90°	35.7	35.7	35.7	35.7	35.7	35.7	35.7	47.7	63.6	71.6	61.6
92.5°	178.9	171.8	143.4	114.9	143.4	171.8	178.9	253.7	353.3	403.2	353.9
95°	607.5	586.0	499.8	413.5	499.8	586.0	607.5	797.8	1051.5	1178.3	995.2
97.5°	1402.6	1361.5	1197.4	1033.3	1197.4	1361.5	1402.6	1522.8	1683.2	1763.3	1458.0
100°	1969.6	1920.8	1725.2	1529.7	1725.2	1920.8	1969.6	1960.8	1949.1	1943.3	1604.3
102.5°	2453.7	2411.9	2244.4	2077.0	2244.4	2411.9	2453.7	2300.6	2096.3	1994.1	1650.4
105°	3018.9	2996.4	2906.4	2816.4	2906.4	2996.4	3018.9	2675.4	2217.4	1988.5	1655.6
107.5°	3312.8	3318.3	3340.0	3361.7	3340.0	3318.3	3312.8	2833.7	2194.9	1875.4	1581.9
110°	3388.1	3411.6	3505.4	3599.2	3505.4	3411.6	3388.1	2852.5	2138.4	1781.3	1516.6



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3340.1	3376.1	3520.1	3664.1	3520.1	3376.1	3340.1	2791.9	2061.0	1695.5	1459.6
115°	3177.2	3227.1	3426.8	3626.4	3426.8	3227.1	3177.2	2649.0	1944.9	1592.9	1394.2
117.5°	2952.0	3007.4	3228.8	3450.3	3228.8	3007.4	2952.0	2475.4	1839.9	1522.2	1353.3
120°	2800.4	2854.2	3069.4	3284.5	3069.4	2854.2	2800.4	2364.9	1784.3	1493.9	1339.4
122.5°	2648.8	2701.8	2914.1	3126.3	2914.1	2701.8	2648.8	2256.6	1733.7	1472.2	1332.2
125°	2448.1	2497.0	2692.5	2888.0	2692.5	2497.0	2448.1	2115.0	1670.8	1448.7	1326.3
127.5°	2287.0	2328.2	2493.2	2658.1	2493.2	2328.2	2287.0	2001.0	1619.6	1428.9	1322.8
130°	2185.3	2223.4	2375.8	2528.2	2375.8	2223.4	2185.3	1930.7	1591.1	1421.4	1324.9
132.5°	2098.6	2132.7	2269.3	2405.7	2269.3	2132.7	2098.6	1870.7	1566.8	1414.8	1326.3
135°	1976.2	2005.6	2123.3	2240.9	2123.3	2005.6	1976.2	1785.3	1530.7	1403.5	1325.0
137.5°	1885.8	1909.9	2006.1	2102.4	2006.1	1909.9	1885.8	1724.4	1509.2	1401.6	1333.2
140°	1813.3	1835.7	1925.8	2015.8	1925.8	1835.7	1813.3	1673.8	1488.0	1395.0	1334.5
142.5°	1762.3	1781.7	1859.1	1936.6	1859.1	1781.7	1762.3	1639.9	1476.6	1395.0	1339.3
145°	1686.1	1700.7	1759.3	1817.9	1759.3	1700.7	1686.1	1586.0	1452.3	1385.6	1339.3
147.5°	1622.1	1634.2	1682.7	1731.3	1682.7	1634.2	1622.1	1543.2	1438.1	1385.6	1348.5
150°	1585.3	1595.1	1634.5	1673.8	1634.5	1595.1	1585.3	1518.7	1429.9	1385.6	1353.4
152.5°	1556.1	1563.6	1593.2	1623.0	1593.2	1563.6	1556.1	1499.3	1423.5	1385.6	1356.5
155°	1521.3	1526.2	1545.8	1565.5	1545.8	1526.2	1521.3	1476.1	1415.8	1385.6	1363.4
157.5°	1491.1	1494.5	1508.4	1522.2	1508.4	1494.5	1491.1	1455.9	1409.0	1385.6	1370.3
160°	1476.0	1478.0	1485.9	1493.9	1485.9	1478.0	1476.0	1445.9	1405.7	1385.6	1373.5
162.5°	1461.9	1463.8	1471.3	1478.9	1471.3	1463.8	1461.9	1436.4	1402.5	1385.6	1376.7
165°	1440.2	1442.2	1450.1	1458.1	1450.1	1442.2	1440.2	1422.0	1397.7	1385.6	1381.6
167.5°	1430.8	1431.6	1435.0	1438.3	1435.0	1431.6	1430.8	1418.9	1402.9	1395.0	1391.7
170°	1430.8	1430.8	1430.8	1430.8	1430.8	1430.8	1430.8	1418.9	1402.9	1395.0	1394.8
172.5°	1423.3	1422.6	1419.6	1416.7	1419.6	1422.6	1423.3	1413.8	1401.3	1395.0	1395.0
175°	1412.9	1412.9	1412.9	1412.9	1412.9	1412.9	1412.9	1406.9	1399.0	1395.0	1396.9
177.5°	1411.0	1410.2	1406.8	1403.5	1406.8	1410.2	1411.0	1406.3	1400.0	1396.9	1398.4
180°	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5	1403.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3254.0	3254.0	3254.0	3254.0	3254.0
2.5°	3213.9	3229.3	3238.6	3250.9	3281.6
5°	3090.8	3149.3	3167.7	3213.9	3269.3
7.5°	2819.9	2998.4	3047.6	3158.5	3244.7
10°	2558.2	2736.7	2823.0	3084.6	3213.9
12.5°	2425.8	2530.5	2589.0	2955.3	3170.8
15°	2342.7	2416.6	2459.7	2782.9	3121.6
17.5°	2278.1	2330.4	2361.1	2613.7	3053.8
20°	2238.1	2262.6	2290.4	2490.5	2976.9
22.5°	2210.3	2195.0	2216.5	2404.3	2872.2
25°	2191.9	2133.4	2158.0	2336.6	2749.1
27.5°	2207.2	2078.0	2087.2	2275.0	2619.8
30°	2210.3	2010.2	2013.3	2210.3	2475.1
32.5°	2188.8	1939.4	1942.5	2130.3	2311.9
35°	2136.5	1856.3	1853.2	2038.0	2090.3
37.5°	2065.6	1767.1	1767.1	1936.3	1847.1
40°	1979.5	1677.7	1687.0	1804.0	1631.6
42.5°	1874.8	1582.3	1594.7	1628.5	1471.5
45°	1760.9	1490.0	1499.2	1376.1	1348.4
47.5°	1634.7	1394.6	1397.7	1142.1	1308.3
50°	1483.8	1296.1	1283.7	979.0	1305.2
52.5°	1351.4	1188.3	1151.3	886.6	1185.2
55°	1222.2	1074.4	994.3	815.8	1099.0
57.5°	1108.2	926.6	849.7	732.7	1080.6
60°	1003.6	781.9	723.4	643.4	991.2
62.5°	917.4	674.2	661.9	581.8	898.9
65°	825.0	600.3	597.2	529.5	763.5
67.5°	735.7	551.1	548.0	480.2	581.8
70°	640.3	498.8	492.6	427.9	431.0
72.5°	541.8	440.3	434.1	384.8	357.1
75°	443.3	372.5	369.4	335.6	289.4
77.5°	347.8	295.5	301.7	270.9	212.4
80°	249.3	215.5	221.7	193.9	160.1
82.5°	166.3	141.6	147.7	123.2	107.7
85°	92.3	80.0	83.1	64.7	49.2
87.5°	43.1	36.9	36.9	24.7	15.4
90°	41.5	26.4	24.5	17.0	9.5
92.5°	255.6	181.8	165.8	101.7	37.7
95°	628.9	354.2	324.9	207.7	90.4
97.5°	847.1	389.1	363.2	259.8	156.4
100°	926.6	418.3	394.8	301.0	207.2
102.5°	963.0	447.5	425.5	338.0	250.5
105°	990.0	490.7	472.2	398.1	324.0
107.5°	995.0	554.8	537.5	468.5	399.4
110°	987.5	590.6	575.1	512.7	450.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	987.8	633.9	619.1	559.6	500.2
115°	996.9	698.9	685.1	630.4	575.5
117.5°	1015.4	762.0	749.5	699.8	649.9
120°	1030.4	798.8	787.0	740.2	693.2
122.5°	1052.1	842.1	830.2	782.9	735.6
125°	1081.3	897.6	886.9	843.8	800.7
127.5°	1110.6	951.4	940.5	897.0	853.4
130°	1131.9	987.1	975.4	928.6	881.6
132.5°	1149.1	1016.3	1004.6	957.8	910.8
135°	1168.0	1050.3	1039.6	996.9	954.2
137.5°	1196.3	1093.6	1083.0	1040.7	998.4
140°	1213.5	1122.8	1113.0	1074.1	1035.2
142.5°	1227.9	1144.4	1135.4	1099.5	1063.5
145°	1246.8	1177.4	1169.6	1138.1	1106.8
147.5°	1274.5	1218.9	1211.3	1180.7	1150.1
150°	1288.9	1240.6	1233.6	1206.0	1178.3
152.5°	1298.3	1254.7	1249.4	1228.5	1207.5
155°	1319.1	1285.8	1281.9	1266.4	1250.9
157.5°	1339.7	1316.8	1313.1	1298.0	1283.0
160°	1349.2	1331.0	1328.1	1316.3	1304.6
162.5°	1359.2	1346.0	1343.8	1335.0	1326.3
165°	1373.6	1367.7	1365.7	1357.8	1349.8
167.5°	1384.9	1379.9	1379.0	1375.2	1371.5
170°	1394.4	1394.1	1393.2	1389.4	1385.6
172.5°	1395.0	1395.0	1394.8	1393.9	1393.1
175°	1400.7	1403.5	1403.5	1403.5	1403.5
177.5°	1401.3	1403.5	1403.5	1403.5	1403.5
180°	1403.5	1403.5	1403.5	1403.5	1403.5



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	14.06	14.91	15.04	15.89	17.19	16.90	17.75	17.87	18.73	20.03
	3H	14.54	15.30	15.52	16.29	17.61	18.25	19.00	19.23	20.00	21.32
	4H	14.73	15.45	15.73	16.44	17.77	18.69	19.41	19.69	20.41	21.74
	6H	14.85	15.51	15.86	16.51	17.85	18.98	19.64	19.99	20.64	21.98
	8H	14.85	15.48	15.86	16.50	17.83	19.05	19.68	20.07	20.70	22.04
	12H	14.82	15.42	15.84	16.43	17.79	19.09	19.69	20.11	20.70	22.07
4H	2H	15.10	15.81	16.10	16.81	18.14	17.31	18.02	18.31	19.02	20.35
	3H	16.12	16.72	17.13	17.75	19.09	18.81	19.41	19.83	20.44	21.78
	4H	16.40	16.94	17.42	17.96	19.33	19.34	19.89	20.36	20.91	22.27
	6H	16.52	16.99	17.55	18.03	19.40	19.71	20.18	20.74	21.22	22.58
	8H	16.53	16.96	17.56	18.00	19.38	19.82	20.26	20.85	21.29	22.67
	12H	16.49	16.89	17.54	17.94	19.32	19.87	20.27	20.93	21.32	22.70
8H	4H	16.85	17.29	17.88	18.33	19.70	19.47	19.90	20.50	20.94	22.32
	6H	17.11	17.47	18.17	18.55	19.93	19.90	20.27	20.96	21.35	22.72
	8H	17.15	17.47	18.22	18.54	19.93	20.06	20.38	21.12	21.44	22.83
	12H	17.14	17.42	18.20	18.48	19.91	20.16	20.44	21.22	21.50	22.93
12H	4H	16.86	17.25	17.91	18.30	19.68	19.43	19.83	20.48	20.88	22.26
	6H	17.17	17.49	18.24	18.55	19.95	19.90	20.22	20.96	21.28	22.68
	8H	17.24	17.52	18.31	18.58	20.01	20.06	20.34	21.13	21.40	22.84