

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: P934917

Luminaire Tested: SQ4-FA-075U-125D-840-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934917
REPORT IS A COMBINATION OF REPORTS P933717 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-125D-840-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

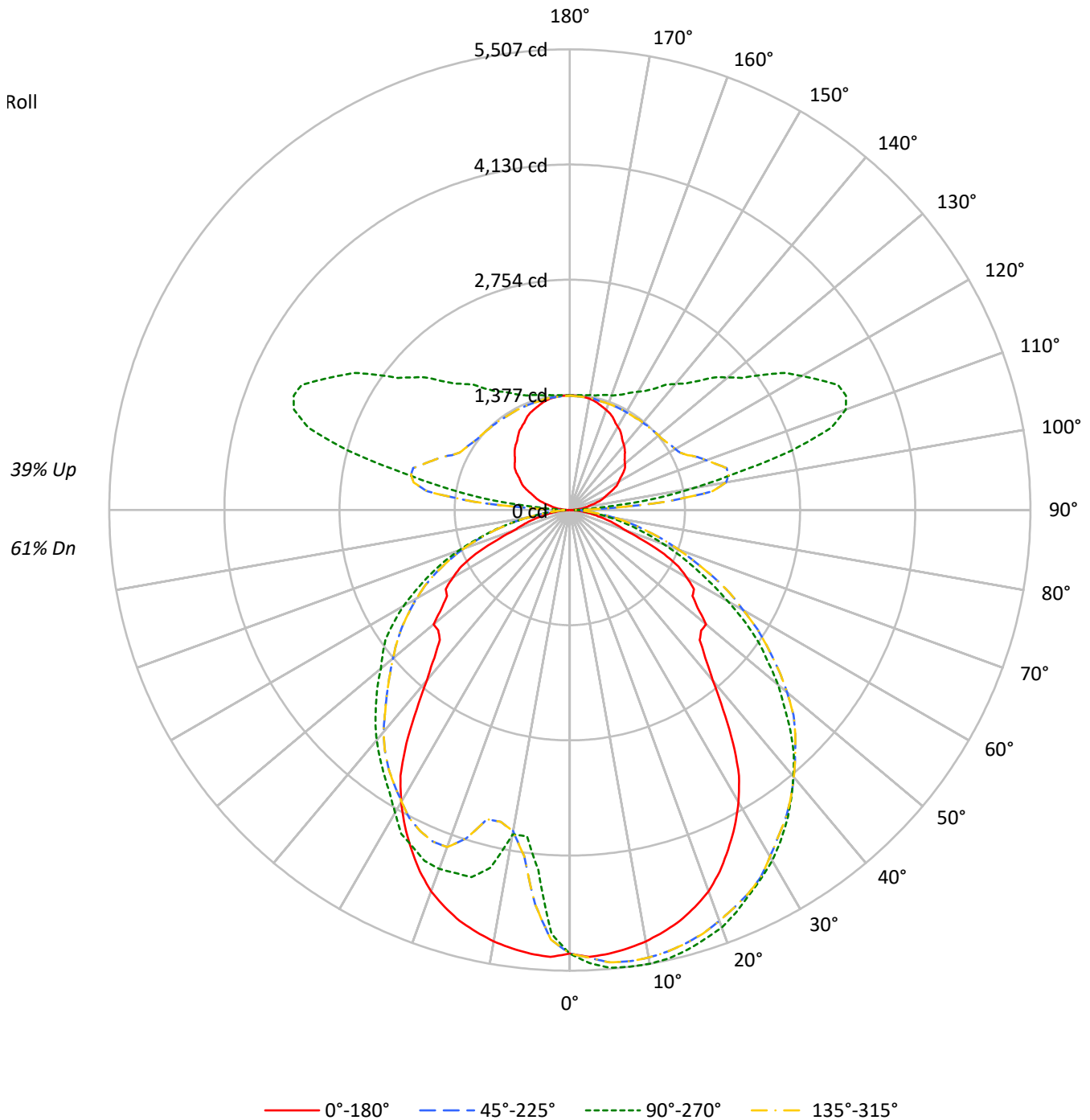
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22626.2 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 186
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	66	66	66	61
1	100	96	92	88	94	90	86	83	79	76	74	68	66	65	59	57	56	56	56	56	51
2	91	84	78	72	85	79	73	68	69	65	61	60	57	54	52	49	47	47	47	47	43
3	83	74	66	60	78	69	63	57	61	56	51	53	49	46	46	43	40	40	40	40	36
4	76	65	57	51	71	61	54	49	54	48	44	47	43	39	41	37	35	35	35	35	31
5	70	58	50	44	65	55	47	42	48	42	38	42	38	34	37	33	30	30	30	30	27
6	65	52	44	38	60	49	42	36	44	37	33	38	33	30	33	29	26	26	26	26	24
7	60	47	39	33	56	45	37	32	39	33	29	35	30	26	30	26	23	23	23	23	21
8	55	43	35	29	52	40	33	28	36	30	26	32	27	23	28	24	21	21	21	21	19
9	52	39	31	26	48	37	30	25	33	27	23	29	24	21	26	22	19	19	19	19	17
10	48	36	29	24	45	34	27	23	30	25	21	27	22	19	24	20	17	17	17	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16398	16398	16398	16398
5°	16526	16553	16526	13016
10°	16422	16306	16422	11657
15°	16250	15952	16250	13321
20°	15917	15534	15917	13348
25°	15227	14923	15227	13065
30°	14334	14417	14334	12445
35°	12785	13776	12785	11762
40°	10659	13021	10659	11246
45°	9530	12138	9530	10653
50°	10133	11084	10133	10058
55°	9542	9950	9542	9714
60°	9849	8450	9849	8897
65°	8944	6985	8944	7808
70°	6208	5567	6208	6545
75°	5465	4115	5465	4927
80°	4436	2720	4436	2962
85°	2599	1441	2599	1225

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14597 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	478.6	2.1
10°-20°	1358.8	6.0
20°-30°	2100.4	9.3
30°-40°	2507.4	11.1
40°-50°	2522.1	11.1
50°-60°	2194.6	9.7
60°-70°	1556.0	6.9
70°-80°	823.2	3.6
80°-90°	210.2	0.9
90°-100°	667.3	2.9
100°-110°	1754.5	7.8
110°-120°	1819.2	8.0
120°-130°	1459.2	6.4
130°-140°	1145.0	5.1
140°-150°	878.8	3.9
150°-160°	632.9	2.8
160°-170°	387.2	1.7
170°-180°	130.8	0.6
0°-30°	3937.7	17.4
0°-40°	6445.2	28.5
0°-60°	11161.9	49.3
0°-90°	13751.3	60.8
90°-120°	4241.0	18.7
90°-150°	7724.0	34.1
90°-180°	8875.0	39.2
0°-180°	22626.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5302	5302	5302	5302	5302	
5°	5327	5492	5327	4318	5327	505
15°	5086	5442	5086	4544	5086	1431
25°	4479	5076	4479	4444	4479	2057
35°	3406	4529	3406	3867	3406	2107
45°	2197	3732	2197	3275	2197	1760
55°	1791	2754	1791	2688	1791	1645
65°	1244	1660	1244	1856	1244	1189
75°	472	787	472	943	472	496
85°	80	201	80	170	80	108
90°	9	35	9	35	9	11
95°	88	403	88	403	88	98
105°	316	2747	316	2747	316	335
115°	561	3537	561	3537	561	554
125°	781	2817	781	2817	781	693
135°	931	2186	931	2186	931	720
145°	1080	1773	1080	1773	1080	676
155°	1220	1527	1220	1527	1220	561
165°	1317	1422	1317	1422	1317	372
175°	1369	1378	1369	1378	1369	130
180°	1369	1369	1369	1369	1369	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6
2.5°	5346.8	5346.8	5376.8	5386.9	5386.9	5371.8	5356.7	5371.8	5416.9	5432.0	5427.0
5°	5326.6	5366.8	5421.9	5432.0	5442.0	5437.0	5427.0	5437.0	5487.2	5497.2	5502.2
7.5°	5286.5	5361.8	5432.0	5447.0	5462.1	5447.0	5442.0	5452.1	5502.2	5512.2	5512.2
10°	5236.4	5341.7	5421.9	5432.0	5447.0	5432.0	5432.0	5452.1	5502.2	5512.2	5517.3
12.5°	5166.2	5311.6	5386.9	5396.9	5416.9	5411.9	5406.9	5427.0	5477.1	5487.2	5487.2
15°	5085.9	5256.5	5326.6	5336.7	5371.8	5361.8	5361.8	5381.8	5437.0	5452.1	5447.0
17.5°	4975.6	5186.2	5266.4	5281.6	5306.5	5301.6	5306.5	5326.6	5376.8	5386.9	5391.8
20°	4850.2	5090.9	5186.2	5201.2	5226.3	5226.3	5226.3	5251.4	5301.6	5321.7	5321.7
22.5°	4679.7	4990.6	5090.9	5100.9	5131.1	5131.1	5141.1	5176.1	5221.3	5226.3	5226.3
25°	4479.0	4880.2	4965.5	4995.6	5025.8	5040.8	5055.8	5075.8	5090.9	5085.9	5090.9
27.5°	4268.4	4739.8	4850.2	4870.2	4910.4	4925.4	4945.4	4950.5	4955.5	4970.5	4960.6
30°	4032.6	4544.2	4709.7	4729.8	4795.0	4805.0	4785.0	4795.0	4820.1	4830.1	4840.1
32.5°	3766.8	4253.3	4564.3	4609.4	4669.6	4639.5	4634.5	4649.5	4689.6	4689.6	4699.7
35°	3405.6	4027.6	4428.8	4468.9	4514.1	4479.0	4499.1	4504.1	4529.2	4544.2	4539.2
37.5°	3009.4	3832.0	4288.4	4318.5	4353.6	4308.5	4338.6	4353.6	4373.7	4363.6	4363.6
40°	2658.3	3526.0	4122.9	4143.0	4173.0	4137.9	4168.1	4178.1	4188.1	4178.1	4173.0
42.5°	2397.5	3190.0	3947.4	3972.5	3952.4	3977.4	3987.5	4007.5	3992.5	3972.5	3972.5
45°	2196.8	3099.7	3756.8	3786.8	3756.8	3796.9	3811.9	3811.9	3766.8	3756.8	3751.7
47.5°	2131.7	2919.1	3566.2	3566.2	3551.1	3601.3	3626.4	3591.2	3546.1	3531.0	3531.0
50°	2126.7	2718.5	3305.4	3285.3	3355.4	3415.7	3390.6	3355.4	3320.4	3265.2	3265.2
52.5°	1931.0	2472.8	2969.2	3044.5	3154.9	3190.0	3149.8	3114.8	3054.5	3029.5	3009.4
55°	1790.6	2217.0	2663.4	2813.8	2929.1	2974.3	2899.1	2863.9	2773.7	2758.6	2748.6
57.5°	1760.5	1845.8	2382.5	2573.0	2713.4	2708.5	2663.4	2598.1	2522.9	2507.8	2502.8
60°	1615.1	1334.2	2081.5	2307.2	2452.7	2437.6	2397.5	2337.3	2267.1	2257.1	2247.0
62.5°	1464.6	968.0	1740.5	1996.3	2201.9	2196.8	2161.7	2071.4	2021.3	1996.3	1976.2
65°	1243.9	812.5	1238.9	1660.2	1956.1	1966.1	1890.9	1825.7	1770.5	1740.5	1735.4
67.5°	948.0	662.1	837.6	1384.3	1720.4	1710.3	1615.1	1584.9	1514.7	1499.7	1469.6
70°	702.2	441.3	581.8	1123.6	1489.6	1464.6	1389.3	1354.3	1289.0	1253.9	1233.8
72.5°	581.8	356.1	426.3	872.7	1253.9	1223.8	1158.6	1118.5	1063.3	1033.3	1013.2
75°	471.5	376.1	326.0	647.0	1018.1	998.1	937.9	897.8	852.6	812.5	817.6
77.5°	346.1	351.1	260.8	476.5	807.5	777.5	742.3	692.2	672.1	632.0	632.0
80°	260.8	275.8	195.6	326.0	581.8	581.8	551.7	516.6	481.6	461.4	461.4
82.5°	175.6	175.6	145.4	205.6	396.3	381.2	361.1	351.1	331.1	321.0	321.0
85°	80.2	100.3	90.3	125.4	215.7	225.7	225.7	215.7	210.6	200.7	205.6
87.5°	25.1	45.2	55.1	70.2	110.4	115.4	120.3	120.3	120.3	125.4	125.4
90°	9.2	16.5	23.8	25.7	40.4	60.1	69.9	62.0	46.5	34.9	34.9
92.5°	36.8	99.2	161.7	177.3	249.3	345.2	393.2	344.6	247.5	174.6	167.7
95°	88.2	202.5	317.0	345.5	613.4	970.8	1149.4	1025.7	778.2	592.6	571.6
97.5°	152.5	253.4	354.3	379.5	826.4	1422.1	1720.0	1641.8	1485.4	1368.1	1328.1
100°	202.1	293.6	385.1	407.9	903.8	1564.9	1895.5	1901.2	1912.7	1921.3	1873.5
102.5°	244.4	329.8	415.1	436.4	939.3	1609.8	1945.2	2044.8	2244.0	2393.5	2352.7
105°	316.1	388.4	460.6	478.7	965.7	1615.0	1939.6	2163.0	2609.8	2944.8	2922.9
107.5°	389.6	457.0	524.3	541.2	970.6	1543.2	1829.4	2141.0	2764.1	3231.5	3236.8
110°	439.2	500.0	560.9	576.1	963.2	1479.4	1737.5	2085.9	2782.5	3305.0	3327.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	487.9	545.9	603.9	618.4	963.6	1423.8	1653.9	2010.4	2723.4	3258.1	3293.2
115°	561.4	614.8	668.4	681.7	972.4	1360.0	1553.7	1897.2	2584.0	3099.2	3147.9
117.5°	634.0	682.6	731.1	743.3	990.5	1320.0	1484.8	1794.7	2414.6	2879.5	2933.6
120°	676.3	722.0	767.7	779.1	1005.2	1306.5	1457.2	1740.4	2306.8	2731.6	2784.1
122.5°	717.6	763.7	809.9	821.4	1026.3	1299.5	1436.1	1691.1	2201.2	2583.7	2635.5
125°	781.0	823.1	865.2	875.7	1054.8	1293.7	1413.1	1629.8	2063.0	2388.0	2435.7
127.5°	832.5	875.0	917.5	928.0	1083.3	1290.3	1393.9	1579.9	1951.9	2230.9	2271.1
130°	860.1	905.8	951.4	962.9	1104.1	1292.3	1386.5	1552.0	1883.2	2131.6	2168.8
132.5°	888.5	934.3	979.9	991.4	1120.9	1293.7	1380.0	1528.2	1824.7	2047.1	2080.4
135°	930.8	972.4	1014.1	1024.5	1139.4	1292.5	1369.1	1493.2	1741.4	1927.7	1956.3
137.5°	974.0	1015.2	1056.5	1066.7	1166.9	1300.4	1367.2	1472.1	1682.1	1839.5	1863.0
140°	1009.7	1047.7	1085.7	1095.2	1183.7	1301.8	1360.8	1451.5	1632.8	1768.7	1790.7
142.5°	1037.3	1072.5	1107.5	1116.3	1197.9	1306.4	1360.8	1440.4	1599.7	1719.1	1738.0
145°	1079.6	1110.2	1140.8	1148.6	1216.2	1306.4	1351.6	1416.7	1547.0	1644.7	1659.0
147.5°	1121.9	1151.7	1181.5	1189.0	1243.2	1315.4	1351.6	1402.9	1505.3	1582.2	1594.0
150°	1149.4	1176.4	1203.4	1210.1	1257.2	1320.2	1351.6	1394.9	1481.4	1546.3	1555.9
152.5°	1177.9	1198.3	1218.7	1223.8	1266.4	1323.2	1351.6	1388.5	1462.4	1517.9	1525.1
155°	1220.2	1235.3	1250.4	1254.2	1286.7	1329.9	1351.6	1381.0	1439.8	1483.9	1488.7
157.5°	1251.4	1266.1	1280.8	1284.5	1306.8	1336.7	1351.6	1374.4	1420.2	1454.4	1457.8
160°	1272.5	1284.0	1295.5	1298.3	1316.1	1339.7	1351.6	1371.1	1410.4	1439.8	1441.8
162.5°	1293.7	1302.3	1310.8	1313.0	1325.8	1343.0	1351.6	1368.1	1401.2	1426.0	1427.9
165°	1316.7	1324.4	1332.1	1334.1	1339.9	1347.7	1351.6	1363.4	1387.1	1404.8	1406.8
167.5°	1337.8	1341.4	1345.2	1346.1	1351.0	1357.5	1360.8	1368.5	1384.0	1395.6	1396.4
170°	1351.6	1355.2	1359.0	1359.9	1360.2	1360.6	1360.8	1368.5	1384.0	1395.6	1395.6
172.5°	1358.9	1359.7	1360.6	1360.8	1360.8	1360.8	1360.8	1366.9	1379.1	1388.3	1387.6
175°	1369.1	1369.1	1369.1	1369.1	1366.3	1362.6	1360.8	1364.6	1372.4	1378.3	1378.3
177.5°	1369.1	1369.1	1369.1	1369.1	1366.9	1364.0	1362.6	1365.7	1371.8	1376.4	1375.6
180°	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6
2.5°	5437.0	5421.9	5437.0	5427.0	5432.0	5416.9	5371.8	5356.7	5371.8	5386.9	5386.9
5°	5502.2	5492.2	5502.2	5502.2	5497.2	5487.2	5437.0	5427.0	5437.0	5442.0	5432.0
7.5°	5522.2	5507.2	5522.2	5512.2	5512.2	5502.2	5452.1	5442.0	5447.0	5462.1	5447.0
10°	5522.2	5507.2	5522.2	5517.3	5512.2	5502.2	5452.1	5432.0	5432.0	5447.0	5432.0
12.5°	5497.2	5487.2	5497.2	5487.2	5487.2	5477.1	5427.0	5406.9	5411.9	5416.9	5396.9
15°	5457.0	5442.0	5457.0	5447.0	5452.1	5437.0	5381.8	5361.8	5361.8	5371.8	5336.7
17.5°	5396.9	5376.8	5396.9	5391.8	5386.9	5376.8	5326.6	5306.5	5301.6	5306.5	5281.6
20°	5326.6	5311.6	5326.6	5321.7	5321.7	5301.6	5251.4	5226.3	5226.3	5226.3	5201.2
22.5°	5216.3	5201.2	5216.3	5226.3	5226.3	5221.3	5176.1	5141.1	5131.1	5131.1	5100.9
25°	5090.9	5075.8	5090.9	5090.9	5085.9	5090.9	5075.8	5055.8	5040.8	5025.8	4995.6
27.5°	4970.5	4960.6	4970.5	4960.6	4970.5	4955.5	4950.5	4945.4	4925.4	4910.4	4870.2
30°	4850.2	4840.1	4850.2	4840.1	4830.1	4820.1	4795.0	4785.0	4805.0	4795.0	4729.8
32.5°	4699.7	4689.6	4699.7	4699.7	4689.6	4689.6	4649.5	4634.5	4639.5	4669.6	4609.4
35°	4544.2	4529.2	4544.2	4539.2	4544.2	4529.2	4504.1	4499.1	4479.0	4514.1	4468.9
37.5°	4363.6	4348.6	4363.6	4363.6	4363.6	4373.7	4353.6	4338.6	4308.5	4353.6	4318.5
40°	4178.1	4158.0	4178.1	4173.0	4178.1	4188.1	4178.1	4168.1	4137.9	4173.0	4143.0
42.5°	3967.4	3962.4	3967.4	3972.5	3972.5	3992.5	4007.5	3987.5	3977.4	3952.4	3972.5
45°	3741.7	3731.7	3741.7	3751.7	3756.8	3766.8	3811.9	3811.9	3796.9	3756.8	3786.8
47.5°	3501.0	3475.9	3501.0	3531.0	3531.0	3546.1	3591.2	3626.4	3601.3	3551.1	3566.2
50°	3245.2	3250.1	3245.2	3265.2	3265.2	3320.4	3355.4	3390.6	3415.7	3355.4	3285.3
52.5°	2994.3	2989.4	2994.3	3009.4	3029.5	3054.5	3114.8	3149.8	3190.0	3154.9	3044.5
55°	2743.6	2753.7	2743.6	2748.6	2758.6	2773.7	2863.9	2899.1	2974.3	2929.1	2813.8
57.5°	2492.8	2477.7	2492.8	2502.8	2507.8	2522.9	2598.1	2663.4	2708.5	2713.4	2573.0
60°	2201.9	2181.8	2201.9	2247.0	2257.1	2267.1	2337.3	2397.5	2437.6	2452.7	2307.2
62.5°	1946.1	1911.0	1946.1	1976.2	1996.3	2021.3	2071.4	2161.7	2196.8	2201.9	1996.3
65°	1675.3	1660.2	1675.3	1735.4	1740.5	1770.5	1825.7	1890.9	1966.1	1956.1	1660.2
67.5°	1429.4	1429.4	1429.4	1469.6	1499.7	1514.7	1584.9	1615.1	1710.3	1720.4	1384.3
70°	1203.8	1198.7	1203.8	1233.8	1253.9	1289.0	1354.3	1389.3	1464.6	1489.6	1123.6
72.5°	988.1	983.1	988.1	1013.2	1033.3	1063.3	1118.5	1158.6	1223.8	1253.9	872.7
75°	797.5	787.4	797.5	817.6	812.5	852.6	897.8	937.9	998.1	1018.1	647.0
77.5°	611.9	611.9	611.9	632.0	632.0	672.1	692.2	742.3	777.5	807.5	476.5
80°	456.5	451.4	456.5	461.4	461.4	481.6	516.6	551.7	581.8	581.8	326.0
82.5°	321.0	310.9	321.0	321.0	321.0	331.1	351.1	361.1	381.2	396.3	205.6
85°	200.7	200.7	200.7	205.6	200.7	210.6	215.7	225.7	225.7	215.7	125.4
87.5°	130.4	125.4	130.4	125.4	125.4	120.3	120.3	120.3	115.4	110.4	70.2
90°	34.9	34.9	34.9	34.9	34.9	46.5	62.0	69.9	60.1	40.4	25.7
92.5°	139.9	112.1	139.9	167.7	174.6	247.5	344.6	393.2	345.2	249.3	177.3
95°	487.5	403.4	487.5	571.6	592.6	778.2	1025.7	1149.4	970.8	613.4	345.5
97.5°	1168.0	1008.0	1168.0	1328.1	1368.1	1485.4	1641.8	1720.0	1422.1	826.4	379.5
100°	1682.9	1492.2	1682.9	1873.5	1921.3	1912.7	1901.2	1895.5	1564.9	903.8	407.9
102.5°	2189.3	2026.0	2189.3	2352.7	2393.5	2244.0	2044.8	1945.2	1609.8	939.3	436.4
105°	2835.1	2747.2	2835.1	2922.9	2944.8	2609.8	2163.0	1939.6	1615.0	965.7	478.7
107.5°	3258.0	3279.3	3258.0	3236.8	3231.5	2764.1	2141.0	1829.4	1543.2	970.6	541.2
110°	3419.3	3510.8	3419.3	3327.8	3305.0	2782.5	2085.9	1737.5	1479.4	963.2	576.1



TEST NUMBER: P934917

CATALOG NUMBER: SQ4-FA-075U-125D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3433.7	3574.2	3433.7	3293.2	3258.1	2723.4	2010.4	1653.9	1423.8	963.6	618.4
115°	3342.6	3537.4	3342.6	3147.9	3099.2	2584.0	1897.2	1553.7	1360.0	972.4	681.7
117.5°	3149.5	3365.6	3149.5	2933.6	2879.5	2414.6	1794.7	1484.8	1320.0	990.5	743.3
120°	2994.0	3203.9	2994.0	2784.1	2731.6	2306.8	1740.4	1457.2	1306.5	1005.2	779.1
122.5°	2842.5	3049.6	2842.5	2635.5	2583.7	2201.2	1691.1	1436.1	1299.5	1026.3	821.4
125°	2626.4	2817.1	2626.4	2435.7	2388.0	2063.0	1629.8	1413.1	1293.7	1054.8	875.7
127.5°	2432.1	2592.9	2432.1	2271.1	2230.9	1951.9	1579.9	1393.9	1290.3	1083.3	928.0
130°	2317.5	2466.1	2317.5	2168.8	2131.6	1883.2	1552.0	1386.5	1292.3	1104.1	962.9
132.5°	2213.5	2346.7	2213.5	2080.4	2047.1	1824.7	1528.2	1380.0	1293.7	1120.9	991.4
135°	2071.1	2185.9	2071.1	1956.3	1927.7	1741.4	1493.2	1369.1	1292.5	1139.4	1024.5
137.5°	1956.8	2050.8	1956.8	1863.0	1839.5	1682.1	1472.1	1367.2	1300.4	1166.9	1066.7
140°	1878.5	1966.2	1878.5	1790.7	1768.7	1632.8	1451.5	1360.8	1301.8	1183.7	1095.2
142.5°	1813.6	1889.1	1813.6	1738.0	1719.1	1599.7	1440.4	1360.8	1306.4	1197.9	1116.3
145°	1716.2	1773.3	1716.2	1659.0	1644.7	1547.0	1416.7	1351.6	1306.4	1216.2	1148.6
147.5°	1641.4	1688.8	1641.4	1594.0	1582.2	1505.3	1402.9	1351.6	1315.4	1243.2	1189.0
150°	1594.3	1632.8	1594.3	1555.9	1546.3	1481.4	1394.9	1351.6	1320.2	1257.2	1210.1
152.5°	1554.1	1583.1	1554.1	1525.1	1517.9	1462.4	1388.5	1351.6	1323.2	1266.4	1223.8
155°	1507.9	1527.1	1507.9	1488.7	1483.9	1439.8	1381.0	1351.6	1329.9	1286.7	1254.2
157.5°	1471.3	1484.8	1471.3	1457.8	1454.4	1420.2	1374.4	1351.6	1336.7	1306.8	1284.5
160°	1449.5	1457.2	1449.5	1441.8	1439.8	1410.4	1371.1	1351.6	1339.7	1316.1	1298.3
162.5°	1435.2	1442.6	1435.2	1427.9	1426.0	1401.2	1368.1	1351.6	1343.0	1325.8	1313.0
165°	1414.5	1422.3	1414.5	1406.8	1404.8	1387.1	1363.4	1351.6	1347.7	1339.9	1334.1
167.5°	1399.8	1403.1	1399.8	1396.4	1395.6	1384.0	1368.5	1360.8	1357.5	1351.0	1346.1
170°	1395.6	1395.6	1395.6	1395.6	1395.6	1384.0	1368.5	1360.8	1360.6	1360.2	1359.9
172.5°	1384.8	1381.9	1384.8	1387.6	1388.3	1379.1	1366.9	1360.8	1360.8	1360.8	1360.8
175°	1378.3	1378.3	1378.3	1378.3	1378.3	1372.4	1364.6	1360.8	1362.6	1366.3	1369.1
177.5°	1372.3	1369.1	1372.3	1375.6	1376.4	1371.8	1365.7	1362.6	1364.0	1366.9	1369.1
180°	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1



TEST NUMBER: P934917

CATALOG NUMBER: SQ4-FA-075U-125D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6
2.5°	5376.8	5346.8	5346.8	5296.6	5276.5	5261.5	5236.4	5161.1	5141.1	5121.0	5151.1
5°	5421.9	5366.8	5326.6	5236.4	5161.1	5131.1	5035.7	4855.1	4734.8	4644.5	4594.4
7.5°	5432.0	5361.8	5286.5	5146.1	4965.5	4885.3	4594.4	4263.3	4173.0	4092.8	4042.6
10°	5421.9	5341.7	5236.4	5025.8	4599.3	4458.9	4168.1	3952.4	3897.2	3882.1	3897.2
12.5°	5386.9	5311.6	5166.2	4815.0	4218.2	4122.9	3952.4	3826.9	3816.9	3842.0	3977.4
15°	5326.6	5256.5	5085.9	4534.1	4007.5	3937.3	3816.9	3771.8	3826.9	4002.5	4408.8
17.5°	5266.4	5186.2	4975.6	4258.3	3847.1	3796.9	3711.6	3801.9	4112.8	4348.6	4484.0
20°	5186.2	5090.9	4850.2	4057.7	3731.7	3686.5	3646.4	4052.7	4288.4	4373.7	4448.9
22.5°	5090.9	4990.6	4679.7	3917.2	3611.3	3576.2	3601.3	4193.1	4288.4	4348.6	4413.8
25°	4965.5	4880.2	4479.0	3806.9	3516.0	3475.9	3571.1	4178.1	4233.2	4248.3	4378.7
27.5°	4850.2	4739.8	4268.4	3706.6	3400.6	3385.6	3596.2	4112.8	4153.0	4168.1	4308.5
30°	4709.7	4544.2	4032.6	3601.3	3280.3	3275.2	3601.3	4032.6	4022.5	4062.7	4203.1
32.5°	4564.3	4253.3	3766.8	3470.8	3164.9	3159.9	3566.2	3912.2	3902.2	3957.3	4062.7
35°	4428.8	4027.6	3405.6	3320.4	3019.4	3024.5	3480.9	3771.8	3776.8	3826.9	3892.1
37.5°	4288.4	3832.0	3009.4	3154.9	2879.0	2879.0	3365.5	3641.4	3631.4	3646.4	3736.7
40°	4122.9	3526.0	2658.3	2939.2	2748.6	2733.5	3225.1	3501.0	3465.8	3460.9	3586.2
42.5°	3947.4	3190.0	2397.5	2653.3	2598.1	2578.1	3054.5	3330.4	3265.2	3280.3	3440.7
45°	3756.8	3099.7	2196.8	2242.0	2442.6	2427.6	2869.0	3134.8	3089.7	3129.8	3295.3
47.5°	3566.2	2919.1	2131.7	1860.8	2277.1	2272.1	2663.4	2944.2	2919.1	2959.3	3134.8
50°	3305.4	2718.5	2126.7	1595.0	2091.5	2111.6	2417.5	2758.6	2758.6	2793.8	2979.3
52.5°	2969.2	2472.8	1931.0	1444.6	1875.8	1936.1	2201.9	2598.1	2608.1	2643.3	2808.8
55°	2663.4	2217.0	1790.6	1329.2	1620.0	1750.4	1991.2	2432.6	2452.7	2487.8	2638.3
57.5°	2382.5	1845.8	1760.5	1193.7	1384.3	1509.8	1805.7	2272.1	2282.2	2312.2	2457.6
60°	2081.5	1334.2	1615.1	1048.3	1178.7	1274.0	1635.1	2081.5	2116.6	2136.6	2262.0
62.5°	1740.5	968.0	1464.6	948.0	1078.4	1098.5	1494.6	1900.9	1946.1	1961.1	2036.4
65°	1238.9	812.5	1243.9	862.7	973.1	978.0	1344.2	1715.4	1755.5	1780.6	1835.7
67.5°	837.6	662.1	948.0	782.4	892.8	897.8	1198.7	1499.7	1554.8	1575.0	1610.0
70°	581.8	441.3	702.2	697.1	802.6	812.5	1043.2	1304.1	1354.3	1369.3	1389.3
72.5°	426.3	356.1	581.8	627.0	707.2	717.3	882.8	1083.3	1133.5	1148.6	1158.6
75°	326.0	376.1	471.5	546.7	601.9	606.9	722.2	882.8	917.9	927.9	932.9
77.5°	260.8	351.1	346.1	441.3	491.5	481.6	566.8	682.1	712.2	712.2	712.2
80°	195.6	275.8	260.8	316.0	361.1	351.1	406.3	486.5	496.6	506.5	501.6
82.5°	145.4	175.6	175.6	200.7	240.8	230.7	270.8	316.0	316.0	316.0	326.0
85°	90.3	100.3	80.2	105.3	135.5	130.4	150.5	170.5	175.6	175.6	165.5
87.5°	55.1	45.2	25.1	40.1	60.2	60.2	70.2	75.2	70.2	70.2	70.2
90°	23.8	16.5	9.2	16.5	23.8	25.7	40.4	60.1	69.9	62.0	46.5
92.5°	161.7	99.2	36.8	99.2	161.7	177.3	249.3	345.2	393.2	344.6	247.5
95°	317.0	202.5	88.2	202.5	317.0	345.5	613.4	970.8	1149.4	1025.7	778.2
97.5°	354.3	253.4	152.5	253.4	354.3	379.5	826.4	1422.1	1720.0	1641.8	1485.4
100°	385.1	293.6	202.1	293.6	385.1	407.9	903.8	1564.9	1895.5	1901.2	1912.7
102.5°	415.1	329.8	244.4	329.8	415.1	436.4	939.3	1609.8	1945.2	2044.8	2244.0
105°	460.6	388.4	316.1	388.4	460.6	478.7	965.7	1615.0	1939.6	2163.0	2609.8
107.5°	524.3	457.0	389.6	457.0	524.3	541.2	970.6	1543.2	1829.4	2141.0	2764.1
110°	560.9	500.0	439.2	500.0	560.9	576.1	963.2	1479.4	1737.5	2085.9	2782.5



TEST NUMBER: P934917

CATALOG NUMBER: SQ4-FA-075U-125D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	603.9	545.9	487.9	545.9	603.9	618.4	963.6	1423.8	1653.9	2010.4	2723.4
115°	668.4	614.8	561.4	614.8	668.4	681.7	972.4	1360.0	1553.7	1897.2	2584.0
117.5°	731.1	682.6	634.0	682.6	731.1	743.3	990.5	1320.0	1484.8	1794.7	2414.6
120°	767.7	722.0	676.3	722.0	767.7	779.1	1005.2	1306.5	1457.2	1740.4	2306.8
122.5°	809.9	763.7	717.6	763.7	809.9	821.4	1026.3	1299.5	1436.1	1691.1	2201.2
125°	865.2	823.1	781.0	823.1	865.2	875.7	1054.8	1293.7	1413.1	1629.8	2063.0
127.5°	917.5	875.0	832.5	875.0	917.5	928.0	1083.3	1290.3	1393.9	1579.9	1951.9
130°	951.4	905.8	860.1	905.8	951.4	962.9	1104.1	1292.3	1386.5	1552.0	1883.2
132.5°	979.9	934.3	888.5	934.3	979.9	991.4	1120.9	1293.7	1380.0	1528.2	1824.7
135°	1014.1	972.4	930.8	972.4	1014.1	1024.5	1139.4	1292.5	1369.1	1493.2	1741.4
137.5°	1056.5	1015.2	974.0	1015.2	1056.5	1066.7	1166.9	1300.4	1367.2	1472.1	1682.1
140°	1085.7	1047.7	1009.7	1047.7	1085.7	1095.2	1183.7	1301.8	1360.8	1451.5	1632.8
142.5°	1107.5	1072.5	1037.3	1072.5	1107.5	1116.3	1197.9	1306.4	1360.8	1440.4	1599.7
145°	1140.8	1110.2	1079.6	1110.2	1140.8	1148.6	1216.2	1306.4	1351.6	1416.7	1547.0
147.5°	1181.5	1151.7	1121.9	1151.7	1181.5	1189.0	1243.2	1315.4	1351.6	1402.9	1505.3
150°	1203.4	1176.4	1149.4	1176.4	1203.4	1210.1	1257.2	1320.2	1351.6	1394.9	1481.4
152.5°	1218.7	1198.3	1177.9	1198.3	1218.7	1223.8	1266.4	1323.2	1351.6	1388.5	1462.4
155°	1250.4	1235.3	1220.2	1235.3	1250.4	1254.2	1286.7	1329.9	1351.6	1381.0	1439.8
157.5°	1280.8	1266.1	1251.4	1266.1	1280.8	1284.5	1306.8	1336.7	1351.6	1374.4	1420.2
160°	1295.5	1284.0	1272.5	1284.0	1295.5	1298.3	1316.1	1339.7	1351.6	1371.1	1410.4
162.5°	1310.8	1302.3	1293.7	1302.3	1310.8	1313.0	1325.8	1343.0	1351.6	1368.1	1401.2
165°	1332.1	1324.4	1316.7	1324.4	1332.1	1334.1	1339.9	1347.7	1351.6	1363.4	1387.1
167.5°	1345.2	1341.4	1337.8	1341.4	1345.2	1346.1	1351.0	1357.5	1360.8	1368.5	1384.0
170°	1359.0	1355.2	1351.6	1355.2	1359.0	1359.9	1360.2	1360.6	1360.8	1368.5	1384.0
172.5°	1360.6	1359.7	1358.9	1359.7	1360.6	1360.8	1360.8	1360.8	1360.8	1366.9	1379.1
175°	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1366.3	1362.6	1360.8	1364.6	1372.4
177.5°	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1366.9	1364.0	1362.6	1365.7	1371.8
180°	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1



TEST NUMBER: P934917

CATALOG NUMBER: SQ4-FA-075U-125D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6
2.5°	5116.0	5100.9	5121.0	5065.9	5121.0	5100.9	5116.0	5151.1	5121.0	5141.1	5161.1
5°	4489.1	4464.0	4383.7	4318.5	4383.7	4464.0	4489.1	4594.4	4644.5	4734.8	4855.1
7.5°	4012.6	3992.5	3972.5	3932.3	3972.5	3992.5	4012.6	4042.6	4092.8	4173.0	4263.3
10°	3907.2	3912.2	3942.3	3937.3	3942.3	3912.2	3907.2	3897.2	3882.1	3897.2	3952.4
12.5°	4178.1	4223.2	4388.7	4378.7	4388.7	4223.2	4178.1	3977.4	3842.0	3816.9	3826.9
15°	4489.1	4504.1	4539.2	4544.2	4539.2	4504.1	4489.1	4408.8	4002.5	3826.9	3771.8
17.5°	4519.1	4524.2	4549.2	4549.2	4549.2	4524.2	4519.1	4484.0	4348.6	4112.8	3801.9
20°	4494.0	4504.1	4554.3	4564.3	4554.3	4504.1	4494.0	4448.9	4373.7	4288.4	4052.7
22.5°	4484.0	4504.1	4544.2	4539.2	4544.2	4504.1	4484.0	4413.8	4348.6	4288.4	4193.1
25°	4433.8	4433.8	4438.9	4443.9	4438.9	4433.8	4433.8	4378.7	4248.3	4233.2	4178.1
27.5°	4328.5	4338.6	4368.6	4363.6	4368.6	4338.6	4328.5	4308.5	4168.1	4153.0	4112.8
30°	4233.2	4223.2	4198.1	4178.1	4198.1	4223.2	4233.2	4203.1	4062.7	4022.5	4032.6
32.5°	4072.7	4047.6	4022.5	4007.5	4022.5	4047.6	4072.7	4062.7	3957.3	3902.2	3912.2
35°	3882.1	3887.2	3882.1	3867.1	3882.1	3887.2	3882.1	3892.1	3826.9	3776.8	3771.8
37.5°	3746.7	3756.8	3751.7	3731.7	3751.7	3756.8	3746.7	3736.7	3646.4	3631.4	3641.4
40°	3606.3	3611.3	3606.3	3591.2	3606.3	3611.3	3606.3	3586.2	3460.9	3465.8	3501.0
42.5°	3470.8	3465.8	3450.8	3440.7	3450.8	3465.8	3470.8	3440.7	3280.3	3265.2	3330.4
45°	3315.3	3320.4	3290.2	3275.2	3290.2	3320.4	3315.3	3295.3	3129.8	3089.7	3134.8
47.5°	3159.9	3159.9	3134.8	3119.7	3134.8	3159.9	3159.9	3134.8	2959.3	2919.1	2944.2
50°	2994.3	2989.4	2954.2	2949.2	2954.2	2989.4	2994.3	2979.3	2793.8	2758.6	2758.6
52.5°	2803.7	2803.7	2808.8	2818.8	2808.8	2803.7	2803.7	2808.8	2643.3	2608.1	2598.1
55°	2638.3	2643.3	2678.4	2688.4	2678.4	2643.3	2638.3	2638.3	2487.8	2452.7	2432.6
57.5°	2467.7	2467.7	2492.8	2492.8	2492.8	2467.7	2467.7	2457.6	2312.2	2282.2	2272.1
60°	2272.1	2282.2	2302.2	2297.2	2302.2	2282.2	2272.1	2262.0	2136.6	2116.6	2081.5
62.5°	2066.5	2076.5	2081.5	2071.4	2081.5	2076.5	2066.5	2036.4	1961.1	1946.1	1900.9
65°	1850.8	1860.8	1865.8	1855.8	1865.8	1860.8	1850.8	1835.7	1780.6	1755.5	1715.4
67.5°	1630.1	1625.1	1620.0	1640.1	1620.0	1625.1	1630.1	1610.0	1575.0	1554.8	1499.7
70°	1404.3	1404.3	1399.4	1409.4	1399.4	1404.3	1404.3	1389.3	1369.3	1354.3	1304.1
72.5°	1163.7	1158.6	1178.7	1163.7	1178.7	1158.6	1163.7	1158.6	1148.6	1133.5	1083.3
75°	927.9	937.9	927.9	942.9	927.9	937.9	927.9	932.9	927.9	917.9	882.8
77.5°	707.2	717.3	707.2	707.2	707.2	717.3	707.2	712.2	712.2	712.2	682.1
80°	501.6	496.6	496.6	491.5	496.6	496.6	501.6	501.6	506.5	496.6	486.5
82.5°	321.0	316.0	316.0	326.0	316.0	316.0	321.0	326.0	316.0	316.0	316.0
85°	175.6	180.6	170.5	170.5	170.5	180.6	175.6	165.5	175.6	175.6	170.5
87.5°	65.2	60.2	60.2	60.2	60.2	60.2	65.2	70.2	70.2	70.2	75.2
90°	34.9	34.9	34.9	34.9	34.9	34.9	34.9	46.5	62.0	69.9	60.1
92.5°	174.6	167.7	139.9	112.1	139.9	167.7	174.6	247.5	344.6	393.2	345.2
95°	592.6	571.6	487.5	403.4	487.5	571.6	592.6	778.2	1025.7	1149.4	970.8
97.5°	1368.1	1328.1	1168.0	1008.0	1168.0	1328.1	1368.1	1485.4	1641.8	1720.0	1422.1
100°	1921.3	1873.5	1682.9	1492.2	1682.9	1873.5	1921.3	1912.7	1901.2	1895.5	1564.9
102.5°	2393.5	2352.7	2189.3	2026.0	2189.3	2352.7	2393.5	2244.0	2044.8	1945.2	1609.8
105°	2944.8	2922.9	2835.1	2747.2	2835.1	2922.9	2944.8	2609.8	2163.0	1939.6	1615.0
107.5°	3231.5	3236.8	3258.0	3279.3	3258.0	3236.8	3231.5	2764.1	2141.0	1829.4	1543.2
110°	3305.0	3327.8	3419.3	3510.8	3419.3	3327.8	3305.0	2782.5	2085.9	1737.5	1479.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3258.1	3293.2	3433.7	3574.2	3433.7	3293.2	3258.1	2723.4	2010.4	1653.9	1423.8
115°	3099.2	3147.9	3342.6	3537.4	3342.6	3147.9	3099.2	2584.0	1897.2	1553.7	1360.0
117.5°	2879.5	2933.6	3149.5	3365.6	3149.5	2933.6	2879.5	2414.6	1794.7	1484.8	1320.0
120°	2731.6	2784.1	2994.0	3203.9	2994.0	2784.1	2731.6	2306.8	1740.4	1457.2	1306.5
122.5°	2583.7	2635.5	2842.5	3049.6	2842.5	2635.5	2583.7	2201.2	1691.1	1436.1	1299.5
125°	2388.0	2435.7	2626.4	2817.1	2626.4	2435.7	2388.0	2063.0	1629.8	1413.1	1293.7
127.5°	2230.9	2271.1	2432.1	2592.9	2432.1	2271.1	2230.9	1951.9	1579.9	1393.9	1290.3
130°	2131.6	2168.8	2317.5	2466.1	2317.5	2168.8	2131.6	1883.2	1552.0	1386.5	1292.3
132.5°	2047.1	2080.4	2213.5	2346.7	2213.5	2080.4	2047.1	1824.7	1528.2	1380.0	1293.7
135°	1927.7	1956.3	2071.1	2185.9	2071.1	1956.3	1927.7	1741.4	1493.2	1369.1	1292.5
137.5°	1839.5	1863.0	1956.8	2050.8	1956.8	1863.0	1839.5	1682.1	1472.1	1367.2	1300.4
140°	1768.7	1790.7	1878.5	1966.2	1878.5	1790.7	1768.7	1632.8	1451.5	1360.8	1301.8
142.5°	1719.1	1738.0	1813.6	1889.1	1813.6	1738.0	1719.1	1599.7	1440.4	1360.8	1306.4
145°	1644.7	1659.0	1716.2	1773.3	1716.2	1659.0	1644.7	1547.0	1416.7	1351.6	1306.4
147.5°	1582.2	1594.0	1641.4	1688.8	1641.4	1594.0	1582.2	1505.3	1402.9	1351.6	1315.4
150°	1546.3	1555.9	1594.3	1632.8	1594.3	1555.9	1546.3	1481.4	1394.9	1351.6	1320.2
152.5°	1517.9	1525.1	1554.1	1583.1	1554.1	1525.1	1517.9	1462.4	1388.5	1351.6	1323.2
155°	1483.9	1488.7	1507.9	1527.1	1507.9	1488.7	1483.9	1439.8	1381.0	1351.6	1329.9
157.5°	1454.4	1457.8	1471.3	1484.8	1471.3	1457.8	1454.4	1420.2	1374.4	1351.6	1336.7
160°	1439.8	1441.8	1449.5	1457.2	1449.5	1441.8	1439.8	1410.4	1371.1	1351.6	1339.7
162.5°	1426.0	1427.9	1435.2	1442.6	1435.2	1427.9	1426.0	1401.2	1368.1	1351.6	1343.0
165°	1404.8	1406.8	1414.5	1422.3	1414.5	1406.8	1404.8	1387.1	1363.4	1351.6	1347.7
167.5°	1395.6	1396.4	1399.8	1403.1	1399.8	1396.4	1395.6	1384.0	1368.5	1360.8	1357.5
170°	1395.6	1395.6	1395.6	1395.6	1395.6	1395.6	1395.6	1384.0	1368.5	1360.8	1360.6
172.5°	1388.3	1387.6	1384.8	1381.9	1384.8	1387.6	1388.3	1379.1	1366.9	1360.8	1360.8
175°	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1378.3	1372.4	1364.6	1360.8	1362.6
177.5°	1376.4	1375.6	1372.3	1369.1	1372.3	1375.6	1376.4	1371.8	1365.7	1362.6	1364.0
180°	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1	1369.1



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	5301.6	5301.6	5301.6	5301.6	5301.6
2.5°	5236.4	5261.5	5276.5	5296.6	5346.8
5°	5035.7	5131.1	5161.1	5236.4	5326.6
7.5°	4594.4	4885.3	4965.5	5146.1	5286.5
10°	4168.1	4458.9	4599.3	5025.8	5236.4
12.5°	3952.4	4122.9	4218.2	4815.0	5166.2
15°	3816.9	3937.3	4007.5	4534.1	5085.9
17.5°	3711.6	3796.9	3847.1	4258.3	4975.6
20°	3646.4	3686.5	3731.7	4057.7	4850.2
22.5°	3601.3	3576.2	3611.3	3917.2	4679.7
25°	3571.1	3475.9	3516.0	3806.9	4479.0
27.5°	3596.2	3385.6	3400.6	3706.6	4268.4
30°	3601.3	3275.2	3280.3	3601.3	4032.6
32.5°	3566.2	3159.9	3164.9	3470.8	3766.8
35°	3480.9	3024.5	3019.4	3320.4	3405.6
37.5°	3365.5	2879.0	2879.0	3154.9	3009.4
40°	3225.1	2733.5	2748.6	2939.2	2658.3
42.5°	3054.5	2578.1	2598.1	2653.3	2397.5
45°	2869.0	2427.6	2442.6	2242.0	2196.8
47.5°	2663.4	2272.1	2277.1	1860.8	2131.7
50°	2417.5	2111.6	2091.5	1595.0	2126.7
52.5°	2201.9	1936.1	1875.8	1444.6	1931.0
55°	1991.2	1750.4	1620.0	1329.2	1790.6
57.5°	1805.7	1509.8	1384.3	1193.7	1760.5
60°	1635.1	1274.0	1178.7	1048.3	1615.1
62.5°	1494.6	1098.5	1078.4	948.0	1464.6
65°	1344.2	978.0	973.1	862.7	1243.9
67.5°	1198.7	897.8	892.8	782.4	948.0
70°	1043.2	812.5	802.6	697.1	702.2
72.5°	882.8	717.3	707.2	627.0	581.8
75°	722.2	606.9	601.9	546.7	471.5
77.5°	566.8	481.6	491.5	441.3	346.1
80°	406.3	351.1	361.1	316.0	260.8
82.5°	270.8	230.7	240.8	200.7	175.6
85°	150.5	130.4	135.5	105.3	80.2
87.5°	70.2	60.2	60.2	40.1	25.1
90°	40.4	25.7	23.8	16.5	9.2
92.5°	249.3	177.3	161.7	99.2	36.8
95°	613.4	345.5	317.0	202.5	88.2
97.5°	826.4	379.5	354.3	253.4	152.5
100°	903.8	407.9	385.1	293.6	202.1
102.5°	939.3	436.4	415.1	329.8	244.4
105°	965.7	478.7	460.6	388.4	316.1
107.5°	970.6	541.2	524.3	457.0	389.6
110°	963.2	576.1	560.9	500.0	439.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	963.6	618.4	603.9	545.9	487.9
115°	972.4	681.7	668.4	614.8	561.4
117.5°	990.5	743.3	731.1	682.6	634.0
120°	1005.2	779.1	767.7	722.0	676.3
122.5°	1026.3	821.4	809.9	763.7	717.6
125°	1054.8	875.7	865.2	823.1	781.0
127.5°	1083.3	928.0	917.5	875.0	832.5
130°	1104.1	962.9	951.4	905.8	860.1
132.5°	1120.9	991.4	979.9	934.3	888.5
135°	1139.4	1024.5	1014.1	972.4	930.8
137.5°	1166.9	1066.7	1056.5	1015.2	974.0
140°	1183.7	1095.2	1085.7	1047.7	1009.7
142.5°	1197.9	1116.3	1107.5	1072.5	1037.3
145°	1216.2	1148.6	1140.8	1110.2	1079.6
147.5°	1243.2	1189.0	1181.5	1151.7	1121.9
150°	1257.2	1210.1	1203.4	1176.4	1149.4
152.5°	1266.4	1223.8	1218.7	1198.3	1177.9
155°	1286.7	1254.2	1250.4	1235.3	1220.2
157.5°	1306.8	1284.5	1280.8	1266.1	1251.4
160°	1316.1	1298.3	1295.5	1284.0	1272.5
162.5°	1325.8	1313.0	1310.8	1302.3	1293.7
165°	1339.9	1334.1	1332.1	1324.4	1316.7
167.5°	1351.0	1346.1	1345.2	1341.4	1337.8
170°	1360.2	1359.9	1359.0	1355.2	1351.6
172.5°	1360.8	1360.8	1360.6	1359.7	1358.9
175°	1366.3	1369.1	1369.1	1369.1	1369.1
177.5°	1366.9	1369.1	1369.1	1369.1	1369.1
180°	1369.1	1369.1	1369.1	1369.1	1369.1



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	15.47	16.44	16.33	17.32	18.43	18.32	19.29	19.18	20.17	21.28
	3H	15.95	16.82	16.83	17.71	18.85	19.68	20.55	20.55	21.44	22.57
	4H	16.15	16.97	17.04	17.87	19.01	20.13	20.95	21.02	21.85	22.99
	6H	16.27	17.03	17.17	17.93	19.09	20.43	21.19	21.33	22.09	23.25
	8H	16.28	17.00	17.19	17.92	19.08	20.51	21.23	21.42	22.15	23.31
	12H	16.25	16.94	17.17	17.85	19.04	20.56	21.24	21.47	22.16	23.34
4H	2H	16.52	17.34	17.41	18.24	19.38	18.74	19.56	19.63	20.46	21.60
	3H	17.56	18.24	18.46	19.17	20.33	20.26	20.95	21.17	21.87	23.03
	4H	17.84	18.46	18.75	19.38	20.57	20.80	21.42	21.72	22.35	23.53
	6H	17.97	18.51	18.90	19.45	20.64	21.18	21.71	22.11	22.66	23.85
	8H	17.98	18.48	18.91	19.42	20.62	21.29	21.79	22.22	22.73	23.93
	12H	17.95	18.40	18.90	19.36	20.57	21.36	21.81	22.31	22.77	23.97
8H	4H	18.30	18.80	19.23	19.75	20.95	20.93	21.43	21.86	22.38	23.58
	6H	18.57	18.98	19.53	19.97	21.17	21.38	21.79	22.34	22.78	23.98
	8H	18.61	18.98	19.58	19.95	21.17	21.54	21.90	22.50	22.88	24.09
	12H	18.60	18.92	19.57	19.89	21.16	21.64	21.97	22.61	22.93	24.20
12H	4H	18.31	18.77	19.27	19.73	20.93	20.90	21.35	21.85	22.31	23.52
	6H	18.63	19.00	19.60	19.97	21.19	21.38	21.75	22.34	22.72	23.94
	8H	18.70	19.03	19.67	19.99	21.26	21.55	21.87	22.52	22.84	24.10