

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: P934426

Luminaire Tested: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934426
REPORT IS A COMBINATION OF REPORTS P933697 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

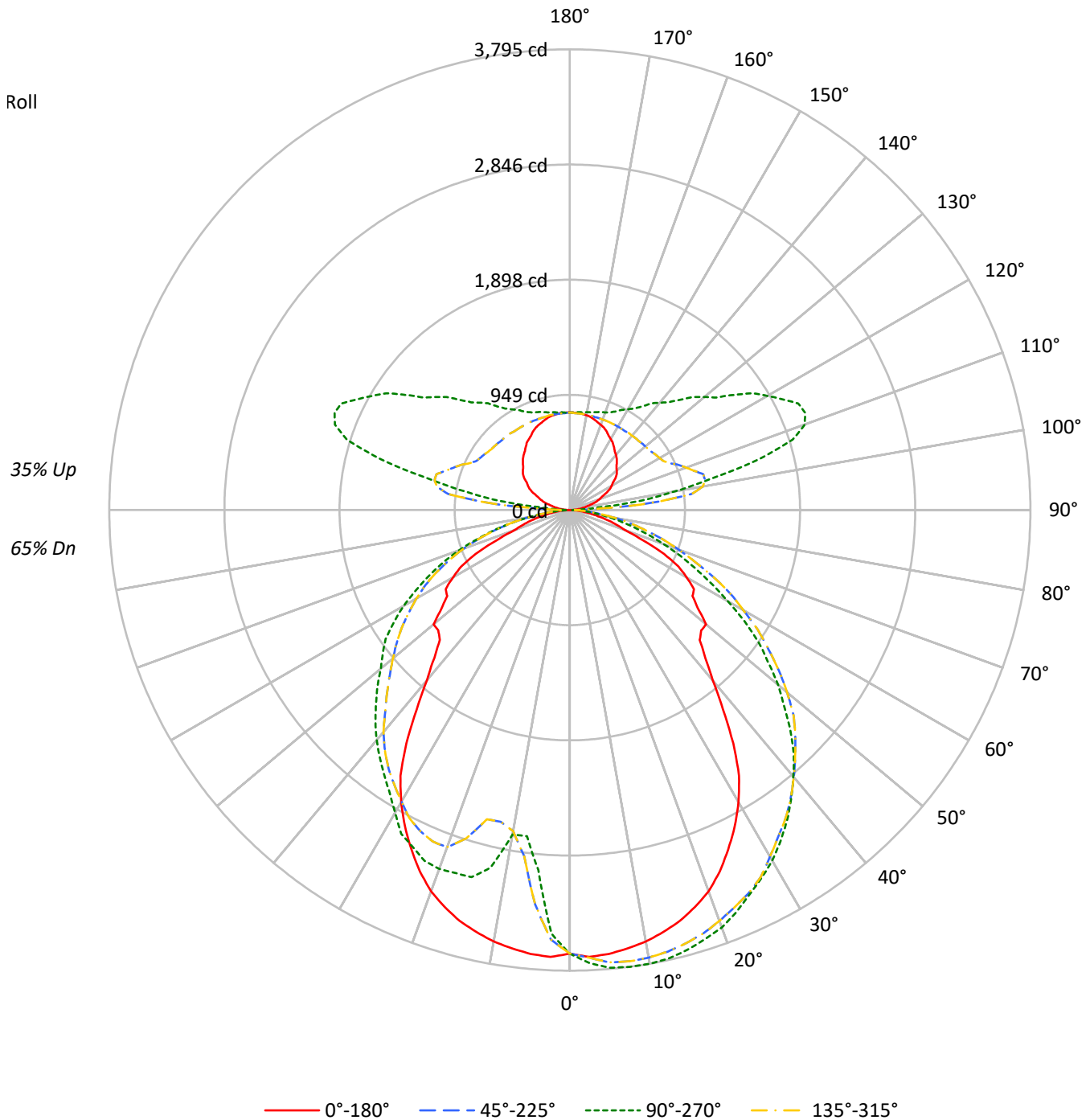
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14684.2 lumens
Efficiency: N/A
Efficacy: 108.3 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): 135.6
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-050U-100D-92765-1D-UNV-STD-W-12-3000K

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	111	111	111	111	104	104	104	104	91	91	91	80	80	80	69	69	69	69	69	69	65
1	101	97	93	89	95	91	88	84	80	78	75	71	69	67	62	60	59	59	59	59	55
2	92	85	78	73	86	80	74	69	70	66	63	62	59	56	54	52	50	50	50	50	46
3	84	74	67	61	79	70	63	58	62	57	53	55	51	47	48	45	42	42	42	42	39
4	77	66	58	52	72	62	55	49	55	49	45	49	44	41	43	39	36	36	36	36	33
5	71	59	50	44	66	56	48	42	49	43	39	44	39	35	39	35	32	32	32	32	29
6	65	53	44	38	61	50	42	37	45	38	34	40	35	31	35	31	28	28	28	28	25
7	60	48	39	34	56	45	38	32	40	34	30	36	31	27	32	28	25	25	25	25	22
8	56	43	35	30	52	41	34	29	37	31	27	33	28	24	29	25	22	22	22	22	20
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	27	23	20	20	20	20	18
10	49	36	29	24	46	35	28	23	31	25	21	28	23	20	25	21	18	18	18	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11301	11301	11301	11301
5°	11389	11408	11389	8970
10°	11317	11237	11317	8033
15°	11198	10993	11198	9180
20°	10969	10705	10969	9199
25°	10494	10284	10494	9004
30°	9878	9935	9878	8576
35°	8811	9493	8811	8105
40°	7346	8973	7346	7750
45°	6567	8365	6567	7342
50°	6983	7639	6983	6931
55°	6576	6856	6576	6694
60°	6787	5823	6787	6131
65°	6164	4814	6164	5381
70°	4278	3836	4278	4511
75°	3766	2836	3766	3396
80°	3056	1875	3056	2041
85°	1792	993	1792	845

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10059 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	329.8	2.2
10°-20°	936.4	6.4
20°-30°	1447.5	9.9
30°-40°	1728.0	11.8
40°-50°	1738.1	11.8
50°-60°	1512.3	10.3
60°-70°	1072.3	7.3
70°-80°	567.3	3.9
80°-90°	144.3	1.0
90°-100°	391.6	2.7
100°-110°	1029.6	7.0
110°-120°	1067.6	7.3
120°-130°	856.3	5.8
130°-140°	671.9	4.6
140°-150°	515.7	3.5
150°-160°	371.4	2.5
160°-170°	227.2	1.5
170°-180°	76.8	0.5
0°-30°	2713.6	18.5
0°-40°	4441.6	30.2
0°-60°	7692.0	52.4
0°-90°	9476.0	64.5
90°-120°	2488.8	16.9
90°-150°	4532.7	30.9
90°-180°	5208.0	35.5
0°-180°	14684.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3654	3654	3654	3654	3654	
5°	3671	3785	3671	2976	3671	348
15°	3505	3750	3505	3132	3505	986
25°	3087	3498	3087	3062	3087	1417
35°	2347	3121	2347	2665	2347	1452
45°	1514	2572	1514	2257	1514	1213
55°	1234	1898	1234	1853	1234	1134
65°	857	1144	857	1279	857	819
75°	325	543	325	650	325	342
85°	55	138	55	118	55	75
90°	5	20	5	20	5	7
95°	52	237	52	237	52	57
105°	186	1612	186	1612	186	197
115°	330	2076	330	2076	330	325
125°	458	1653	458	1653	458	407
135°	546	1283	546	1283	546	423
145°	634	1041	634	1041	634	397
155°	716	896	716	896	716	329
165°	773	835	773	835	773	218
175°	803	809	803	809	803	76
180°	803	803	803	803	803	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5
2.5°	3684.6	3684.6	3705.4	3712.2	3712.2	3701.9	3691.5	3701.9	3733.0	3743.4	3739.9
5°	3670.8	3698.5	3736.5	3743.4	3750.3	3746.9	3739.9	3746.9	3781.4	3788.3	3791.8
7.5°	3643.1	3695.0	3743.4	3753.8	3764.1	3753.8	3750.3	3757.2	3791.8	3798.7	3798.7
10°	3608.6	3681.2	3736.5	3743.4	3753.8	3743.4	3743.4	3757.2	3791.8	3798.7	3802.2
12.5°	3560.2	3660.4	3712.2	3719.2	3733.0	3729.5	3726.1	3739.9	3774.5	3781.4	3781.4
15°	3504.9	3622.4	3670.8	3677.7	3701.9	3695.0	3695.0	3708.8	3746.9	3757.2	3753.8
17.5°	3428.8	3574.0	3629.3	3639.7	3657.0	3653.5	3657.0	3670.8	3705.4	3712.2	3715.7
20°	3342.4	3508.4	3574.0	3584.4	3601.7	3601.7	3601.7	3618.9	3653.5	3667.3	3667.3
22.5°	3224.9	3439.2	3508.4	3515.3	3536.0	3536.0	3542.9	3567.1	3598.2	3601.7	3601.7
25°	3086.7	3363.2	3421.9	3442.7	3463.4	3473.7	3484.1	3498.0	3508.4	3504.9	3508.4
27.5°	2941.5	3266.4	3342.4	3356.3	3383.9	3394.3	3408.1	3411.6	3415.0	3425.3	3418.5
30°	2779.0	3131.6	3245.6	3259.5	3304.4	3311.3	3297.5	3304.4	3321.7	3328.6	3335.5
32.5°	2595.8	2931.1	3145.4	3176.5	3218.0	3197.2	3193.8	3204.2	3231.8	3231.8	3238.7
35°	2347.0	2775.6	3052.1	3079.8	3110.8	3086.7	3100.4	3103.9	3121.2	3131.6	3128.2
37.5°	2073.9	2640.8	2955.3	2976.1	3000.2	2969.1	2989.9	3000.2	3014.1	3007.1	3007.1
40°	1832.0	2429.9	2841.3	2855.0	2875.8	2851.6	2872.3	2879.3	2886.2	2879.3	2875.8
42.5°	1652.2	2198.3	2720.2	2737.6	2723.7	2741.0	2747.9	2761.7	2751.4	2737.6	2737.6
45°	1513.9	2136.1	2588.9	2609.6	2588.9	2616.5	2626.9	2626.9	2595.8	2588.9	2585.5
47.5°	1469.0	2011.7	2457.6	2457.6	2447.2	2481.7	2499.1	2474.8	2443.7	2433.4	2433.4
50°	1465.5	1873.4	2277.8	2264.0	2312.4	2353.9	2336.6	2312.4	2288.2	2250.2	2250.2
52.5°	1330.7	1704.0	2046.2	2098.1	2174.2	2198.3	2170.7	2146.5	2105.0	2087.7	2073.9
55°	1233.9	1527.8	1835.4	1939.1	2018.6	2049.7	1997.8	1973.7	1911.4	1901.0	1894.1
57.5°	1213.3	1271.9	1641.9	1773.2	1870.0	1866.5	1835.4	1790.5	1738.6	1728.3	1724.8
60°	1113.0	919.4	1434.4	1590.0	1690.3	1679.9	1652.2	1610.7	1562.3	1555.4	1548.5
62.5°	1009.3	667.1	1199.4	1375.7	1517.4	1513.9	1489.8	1427.5	1393.0	1375.7	1361.9
65°	857.2	559.9	853.7	1144.1	1348.0	1355.0	1303.1	1258.2	1220.1	1199.4	1195.9
67.5°	653.2	456.2	577.2	954.0	1185.6	1178.6	1113.0	1092.2	1043.8	1033.4	1012.8
70°	483.9	304.2	401.0	774.3	1026.6	1009.3	957.4	933.3	888.3	864.1	850.3
72.5°	401.0	245.4	293.8	601.4	864.1	843.3	798.4	770.8	732.8	712.0	698.2
75°	324.9	259.3	224.6	445.9	701.6	687.9	646.4	618.7	587.6	559.9	563.4
77.5°	238.5	242.0	179.7	328.4	556.5	535.8	511.5	477.0	463.1	435.5	435.5
80°	179.7	190.1	134.8	224.6	401.0	401.0	380.2	356.1	331.8	318.0	318.0
82.5°	121.0	121.0	100.2	141.7	273.0	262.7	248.9	242.0	228.1	221.2	221.2
85°	55.3	69.2	62.2	86.4	148.6	155.6	155.6	148.6	145.2	138.2	141.7
87.5°	17.3	31.1	38.0	48.4	76.0	79.5	82.9	82.9	82.9	86.4	86.4
90°	5.4	9.7	14.0	15.1	23.7	35.2	41.0	36.5	27.3	20.5	20.5
92.5°	21.5	58.2	94.9	104.0	146.2	202.6	230.7	202.2	145.2	102.5	98.4
95°	51.8	118.9	186.0	202.7	360.0	569.7	674.5	601.9	456.7	347.8	335.4
97.5°	89.5	148.7	207.9	222.7	484.9	834.5	1009.4	963.5	871.7	802.9	779.4
100°	118.6	172.3	225.9	239.4	530.4	918.3	1112.4	1115.7	1122.4	1127.5	1099.5
102.5°	143.4	193.5	243.6	256.1	551.2	944.8	1141.5	1199.9	1316.9	1404.6	1380.6
105°	185.5	227.9	270.2	280.9	566.6	947.7	1138.3	1269.3	1531.5	1728.1	1715.2
107.5°	228.6	268.2	307.7	317.6	569.6	905.6	1073.6	1256.4	1622.2	1896.4	1899.6
110°	257.8	293.4	329.2	338.1	565.3	868.2	1019.7	1224.1	1632.9	1939.5	1952.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	286.3	320.3	354.3	362.9	565.4	835.5	970.6	1179.8	1598.2	1912.0	1932.6
115°	329.5	360.8	392.2	400.1	570.7	798.1	911.8	1113.3	1516.4	1818.7	1847.3
117.5°	372.0	400.5	429.0	436.2	581.2	774.6	871.3	1053.2	1417.0	1689.8	1721.5
120°	396.9	423.7	450.5	457.2	589.8	766.8	855.2	1021.4	1353.7	1603.1	1633.8
122.5°	421.1	448.2	475.3	482.1	602.3	762.6	842.7	992.4	1291.7	1516.2	1546.6
125°	458.3	483.0	507.7	513.9	619.1	759.2	829.3	956.4	1210.6	1401.4	1429.4
127.5°	488.5	513.5	538.4	544.6	635.7	757.2	818.0	927.1	1145.4	1309.2	1332.8
130°	504.7	531.6	558.4	565.1	647.9	758.4	813.7	910.8	1105.2	1250.9	1272.7
132.5°	521.4	548.2	575.1	581.8	657.9	759.2	809.9	896.9	1070.9	1201.3	1220.8
135°	546.2	570.7	595.1	601.2	668.6	758.5	803.4	876.3	1022.0	1131.3	1148.1
137.5°	571.5	595.8	620.0	626.0	684.8	763.2	802.4	863.9	987.1	1079.5	1093.3
140°	592.5	614.9	637.1	642.7	694.7	763.9	798.5	851.7	958.2	1038.0	1050.9
142.5°	608.8	629.3	650.0	655.2	702.9	766.7	798.5	845.3	938.7	1008.9	1019.9
145°	633.5	651.5	669.5	674.0	713.8	766.7	793.2	831.4	907.9	965.2	973.5
147.5°	658.4	675.8	693.4	697.7	729.5	772.0	793.2	823.3	883.5	928.5	935.5
150°	674.5	690.3	706.2	710.1	737.8	774.7	793.2	818.6	869.3	907.4	913.1
152.5°	691.3	703.2	715.2	718.2	743.2	776.5	793.2	814.9	858.3	890.8	895.1
155°	716.0	724.9	733.8	736.0	755.1	780.5	793.2	810.5	844.9	870.8	873.6
157.5°	734.4	743.1	751.6	753.8	767.0	784.5	793.2	806.6	833.4	853.5	855.6
160°	746.8	753.5	760.2	761.9	772.4	786.2	793.2	804.7	827.6	844.9	846.0
162.5°	759.2	764.3	769.3	770.5	778.1	788.1	793.2	802.9	822.2	836.8	837.9
165°	772.7	777.2	781.8	782.9	786.3	790.9	793.2	800.2	814.0	824.4	825.6
167.5°	785.1	787.2	789.4	789.9	792.8	796.6	798.5	803.1	812.2	819.0	819.5
170°	793.2	795.3	797.5	798.0	798.2	798.4	798.5	803.1	812.2	819.0	819.0
172.5°	797.5	797.9	798.4	798.5	798.5	798.5	798.5	802.1	809.3	814.7	814.3
175°	803.4	803.4	803.4	803.4	801.7	799.6	798.5	800.8	805.4	808.8	808.8
177.5°	803.4	803.4	803.4	803.4	802.2	800.5	799.7	801.5	805.1	807.8	807.2
180°	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5
2.5°	3746.9	3736.5	3746.9	3739.9	3743.4	3733.0	3701.9	3691.5	3701.9	3712.2	3712.2
5°	3791.8	3784.9	3791.8	3791.8	3788.3	3781.4	3746.9	3739.9	3746.9	3750.3	3743.4
7.5°	3805.6	3795.3	3805.6	3798.7	3798.7	3791.8	3757.2	3750.3	3753.8	3764.1	3753.8
10°	3805.6	3795.3	3805.6	3802.2	3798.7	3791.8	3757.2	3743.4	3743.4	3753.8	3743.4
12.5°	3788.3	3781.4	3788.3	3781.4	3781.4	3774.5	3739.9	3726.1	3729.5	3733.0	3719.2
15°	3760.6	3750.3	3760.6	3753.8	3757.2	3746.9	3708.8	3695.0	3695.0	3701.9	3677.7
17.5°	3719.2	3705.4	3719.2	3715.7	3712.2	3705.4	3670.8	3657.0	3653.5	3657.0	3639.7
20°	3670.8	3660.4	3670.8	3667.3	3667.3	3653.5	3618.9	3601.7	3601.7	3601.7	3584.4
22.5°	3594.8	3584.4	3594.8	3601.7	3601.7	3598.2	3567.1	3542.9	3536.0	3536.0	3515.3
25°	3508.4	3498.0	3508.4	3508.4	3504.9	3508.4	3498.0	3484.1	3473.7	3463.4	3442.7
27.5°	3425.3	3418.5	3425.3	3418.5	3425.3	3415.0	3411.6	3408.1	3394.3	3383.9	3356.3
30°	3342.4	3335.5	3342.4	3335.5	3328.6	3321.7	3304.4	3297.5	3311.3	3304.4	3259.5
32.5°	3238.7	3231.8	3238.7	3238.7	3231.8	3231.8	3204.2	3193.8	3197.2	3218.0	3176.5
35°	3131.6	3121.2	3131.6	3128.2	3131.6	3121.2	3103.9	3100.4	3086.7	3110.8	3079.8
37.5°	3007.1	2996.7	3007.1	3007.1	3007.1	3014.1	3000.2	2989.9	2969.1	3000.2	2976.1
40°	2879.3	2865.4	2879.3	2875.8	2879.3	2886.2	2879.3	2872.3	2851.6	2875.8	2855.0
42.5°	2734.1	2730.6	2734.1	2737.6	2737.6	2751.4	2761.7	2747.9	2741.0	2723.7	2737.6
45°	2578.5	2571.6	2578.5	2585.5	2588.9	2595.8	2626.9	2626.9	2616.5	2588.9	2609.6
47.5°	2412.7	2395.4	2412.7	2433.4	2433.4	2443.7	2474.8	2499.1	2481.7	2447.2	2457.6
50°	2236.3	2239.8	2236.3	2250.2	2250.2	2288.2	2312.4	2336.6	2353.9	2312.4	2264.0
52.5°	2063.5	2060.1	2063.5	2073.9	2087.7	2105.0	2146.5	2170.7	2198.3	2174.2	2098.1
55°	1890.7	1897.6	1890.7	1894.1	1901.0	1911.4	1973.7	1997.8	2049.7	2018.6	1939.1
57.5°	1717.9	1707.5	1717.9	1724.8	1728.3	1738.6	1790.5	1835.4	1866.5	1870.0	1773.2
60°	1517.4	1503.6	1517.4	1548.5	1555.4	1562.3	1610.7	1652.2	1679.9	1690.3	1590.0
62.5°	1341.1	1316.9	1341.1	1361.9	1375.7	1393.0	1427.5	1489.8	1513.9	1517.4	1375.7
65°	1154.5	1144.1	1154.5	1195.9	1199.4	1220.1	1258.2	1303.1	1355.0	1348.0	1144.1
67.5°	985.1	985.1	985.1	1012.8	1033.4	1043.8	1092.2	1113.0	1178.6	1185.6	954.0
70°	829.6	826.1	829.6	850.3	864.1	888.3	933.3	957.4	1009.3	1026.6	774.3
72.5°	681.0	677.5	681.0	698.2	712.0	732.8	770.8	798.4	843.3	864.1	601.4
75°	549.6	542.7	549.6	563.4	559.9	587.6	618.7	646.4	687.9	701.6	445.9
77.5°	421.7	421.7	421.7	435.5	435.5	463.1	477.0	511.5	535.8	556.5	328.4
80°	314.5	311.1	314.5	318.0	318.0	331.8	356.1	380.2	401.0	401.0	224.6
82.5°	221.2	214.3	221.2	221.2	221.2	228.1	242.0	248.9	262.7	273.0	141.7
85°	138.2	138.2	138.2	141.7	138.2	145.2	148.6	155.6	155.6	148.6	86.4
87.5°	89.9	86.4	89.9	86.4	86.4	82.9	82.9	82.9	79.5	76.0	48.4
90°	20.5	20.5	20.5	20.5	20.5	27.3	36.5	41.0	35.2	23.7	15.1
92.5°	82.1	65.8	82.1	98.4	102.5	145.2	202.2	230.7	202.6	146.2	104.0
95°	286.0	236.7	286.0	335.4	347.8	456.7	601.9	674.5	569.7	360.0	202.7
97.5°	685.4	591.5	685.4	779.4	802.9	871.7	963.5	1009.4	834.5	484.9	222.7
100°	987.6	875.7	987.6	1099.5	1127.5	1122.4	1115.7	1112.4	918.3	530.4	239.4
102.5°	1284.8	1188.9	1284.8	1380.6	1404.6	1316.9	1199.9	1141.5	944.8	551.2	256.1
105°	1663.8	1612.2	1663.8	1715.2	1728.1	1531.5	1269.3	1138.3	947.7	566.6	280.9
107.5°	1911.9	1924.4	1911.9	1899.6	1896.4	1622.2	1256.4	1073.6	905.6	569.6	317.6
110°	2006.6	2060.3	2006.6	1952.9	1939.5	1632.9	1224.1	1019.7	868.2	565.3	338.1



TEST NUMBER: P934426

CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2015.1	2097.5	2015.1	1932.6	1912.0	1598.2	1179.8	970.6	835.5	565.4	362.9
115°	1961.6	2076.0	1961.6	1847.3	1818.7	1516.4	1113.3	911.8	798.1	570.7	400.1
117.5°	1848.3	1975.1	1848.3	1721.5	1689.8	1417.0	1053.2	871.3	774.6	581.2	436.2
120°	1757.1	1880.2	1757.1	1633.8	1603.1	1353.7	1021.4	855.2	766.8	589.8	457.2
122.5°	1668.1	1789.6	1668.1	1546.6	1516.2	1291.7	992.4	842.7	762.6	602.3	482.1
125°	1541.2	1653.2	1541.2	1429.4	1401.4	1210.6	956.4	829.3	759.2	619.1	513.9
127.5°	1427.2	1521.6	1427.2	1332.8	1309.2	1145.4	927.1	818.0	757.2	635.7	544.6
130°	1360.0	1447.2	1360.0	1272.7	1250.9	1105.2	910.8	813.7	758.4	647.9	565.1
132.5°	1299.0	1377.1	1299.0	1220.8	1201.3	1070.9	896.9	809.9	759.2	657.9	581.8
135°	1215.4	1282.8	1215.4	1148.1	1131.3	1022.0	876.3	803.4	758.5	668.6	601.2
137.5°	1148.4	1203.5	1148.4	1093.3	1079.5	987.1	863.9	802.4	763.2	684.8	626.0
140°	1102.3	1153.9	1102.3	1050.9	1038.0	958.2	851.7	798.5	763.9	694.7	642.7
142.5°	1064.3	1108.6	1064.3	1019.9	1008.9	938.7	845.3	798.5	766.7	702.9	655.2
145°	1007.1	1040.7	1007.1	973.5	965.2	907.9	831.4	793.2	766.7	713.8	674.0
147.5°	963.2	991.1	963.2	935.5	928.5	883.5	823.3	793.2	772.0	729.5	697.7
150°	935.6	958.2	935.6	913.1	907.4	869.3	818.6	793.2	774.7	737.8	710.1
152.5°	912.1	929.1	912.1	895.1	890.8	858.3	814.9	793.2	776.5	743.2	718.2
155°	884.9	896.2	884.9	873.6	870.8	844.9	810.5	793.2	780.5	755.1	736.0
157.5°	863.4	871.3	863.4	855.6	853.5	833.4	806.6	793.2	784.5	767.0	753.8
160°	850.7	855.2	850.7	846.0	844.9	827.6	804.7	793.2	786.2	772.4	761.9
162.5°	842.2	846.6	842.2	837.9	836.8	822.2	802.9	793.2	788.1	778.1	770.5
165°	830.2	834.7	830.2	825.6	824.4	814.0	800.2	793.2	790.9	786.3	782.9
167.5°	821.5	823.4	821.5	819.5	819.0	812.2	803.1	798.5	796.6	792.8	789.9
170°	819.0	819.0	819.0	819.0	819.0	812.2	803.1	798.5	798.4	798.2	798.0
172.5°	812.6	811.0	812.6	814.3	814.7	809.3	802.1	798.5	798.5	798.5	798.5
175°	808.8	808.8	808.8	808.8	808.8	805.4	800.8	798.5	799.6	801.7	803.4
177.5°	805.3	803.4	805.3	807.2	807.8	805.1	801.5	799.7	800.5	802.2	803.4
180°	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4



TEST NUMBER: P934426

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5
2.5°	3705.4	3684.6	3684.6	3650.1	3636.2	3625.8	3608.6	3556.8	3542.9	3529.0	3549.8
5°	3736.5	3698.5	3670.8	3608.6	3556.8	3536.0	3470.3	3345.9	3262.9	3200.7	3166.2
7.5°	3743.4	3695.0	3643.1	3546.4	3421.9	3366.7	3166.2	2938.1	2875.8	2820.5	2785.9
10°	3736.5	3681.2	3608.6	3463.4	3169.6	3072.8	2872.3	2723.7	2685.7	2675.3	2685.7
12.5°	3712.2	3660.4	3560.2	3318.3	2906.9	2841.3	2723.7	2637.3	2630.4	2647.7	2741.0
15°	3670.8	3622.4	3504.9	3124.7	2761.7	2713.3	2630.4	2599.3	2637.3	2758.2	3038.3
17.5°	3629.3	3574.0	3428.8	2934.6	2651.2	2616.5	2557.8	2620.0	2834.3	2996.7	3090.1
20°	3574.0	3508.4	3342.4	2796.3	2571.6	2540.5	2512.9	2792.9	2955.3	3014.1	3065.9
22.5°	3508.4	3439.2	3224.9	2699.6	2488.7	2464.5	2481.7	2889.7	2955.3	2996.7	3041.7
25°	3421.9	3363.2	3086.7	2623.5	2423.0	2395.4	2461.1	2879.3	2917.3	2927.7	3017.5
27.5°	3342.4	3266.4	2941.5	2554.4	2343.5	2333.1	2478.3	2834.3	2862.0	2872.3	2969.1
30°	3245.6	3131.6	2779.0	2481.7	2260.6	2257.1	2481.7	2779.0	2772.1	2799.8	2896.5
32.5°	3145.4	2931.1	2595.8	2391.9	2181.0	2177.6	2457.6	2696.1	2689.2	2727.2	2799.8
35°	3052.1	2775.6	2347.0	2288.2	2080.8	2084.2	2398.8	2599.3	2602.8	2637.3	2682.2
37.5°	2955.3	2640.8	2073.9	2174.2	1984.1	1984.1	2319.3	2509.5	2502.5	2512.9	2575.1
40°	2841.3	2429.9	1832.0	2025.5	1894.1	1883.8	2222.6	2412.7	2388.4	2385.0	2471.4
42.5°	2720.2	2198.3	1652.2	1828.5	1790.5	1776.6	2105.0	2295.1	2250.2	2260.6	2371.1
45°	2588.9	2136.1	1513.9	1545.1	1683.3	1672.9	1977.1	2160.3	2129.2	2156.9	2271.0
47.5°	2457.6	2011.7	1469.0	1282.3	1569.2	1565.8	1835.4	2029.0	2011.7	2039.3	2160.3
50°	2277.8	1873.4	1465.5	1099.2	1441.4	1455.2	1666.0	1901.0	1901.0	1925.3	2053.1
52.5°	2046.2	1704.0	1330.7	995.4	1292.7	1334.2	1517.4	1790.5	1797.3	1821.6	1935.7
55°	1835.4	1527.8	1233.9	916.0	1116.5	1206.3	1372.2	1676.4	1690.3	1714.4	1818.1
57.5°	1641.9	1271.9	1213.3	822.7	954.0	1040.4	1244.3	1565.8	1572.7	1593.5	1693.7
60°	1434.4	919.4	1113.0	722.4	812.3	878.0	1126.8	1434.4	1458.7	1472.4	1558.8
62.5°	1199.4	667.1	1009.3	653.2	743.1	757.0	1030.0	1310.0	1341.1	1351.5	1403.4
65°	853.7	559.9	857.2	594.6	670.6	674.0	926.4	1182.1	1209.8	1227.0	1265.1
67.5°	577.2	456.2	653.2	539.2	615.2	618.7	826.1	1033.4	1071.5	1085.3	1109.6
70°	401.0	304.2	483.9	480.5	553.0	559.9	719.0	898.7	933.3	943.6	957.4
72.5°	293.8	245.4	401.0	432.1	487.4	494.3	608.3	746.6	781.2	791.5	798.4
75°	224.6	259.3	324.9	376.7	414.7	418.2	497.8	608.3	632.6	639.5	642.9
77.5°	179.7	242.0	238.5	304.2	338.7	331.8	390.6	470.1	490.8	490.8	490.8
80°	134.8	190.1	179.7	217.7	248.9	242.0	280.0	335.3	342.2	349.1	345.7
82.5°	100.2	121.0	121.0	138.2	165.9	159.0	186.6	217.7	217.7	217.7	224.6
85°	62.2	69.2	55.3	72.6	93.3	89.9	103.7	117.6	121.0	121.0	114.1
87.5°	38.0	31.1	17.3	27.6	41.5	41.5	48.4	51.9	48.4	48.4	48.4
90°	14.0	9.7	5.4	9.7	14.0	15.1	23.7	35.2	41.0	36.5	27.3
92.5°	94.9	58.2	21.5	58.2	94.9	104.0	146.2	202.6	230.7	202.2	145.2
95°	186.0	118.9	51.8	118.9	186.0	202.7	360.0	569.7	674.5	601.9	456.7
97.5°	207.9	148.7	89.5	148.7	207.9	222.7	484.9	834.5	1009.4	963.5	871.7
100°	225.9	172.3	118.6	172.3	225.9	239.4	530.4	918.3	1112.4	1115.7	1122.4
102.5°	243.6	193.5	143.4	193.5	243.6	256.1	551.2	944.8	1141.5	1199.9	1316.9
105°	270.2	227.9	185.5	227.9	270.2	280.9	566.6	947.7	1138.3	1269.3	1531.5
107.5°	307.7	268.2	228.6	268.2	307.7	317.6	569.6	905.6	1073.6	1256.4	1622.2
110°	329.2	293.4	257.8	293.4	329.2	338.1	565.3	868.2	1019.7	1224.1	1632.9



TEST NUMBER: P934426

CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	354.3	320.3	286.3	320.3	354.3	362.9	565.4	835.5	970.6	1179.8	1598.2
115°	392.2	360.8	329.5	360.8	392.2	400.1	570.7	798.1	911.8	1113.3	1516.4
117.5°	429.0	400.5	372.0	400.5	429.0	436.2	581.2	774.6	871.3	1053.2	1417.0
120°	450.5	423.7	396.9	423.7	450.5	457.2	589.8	766.8	855.2	1021.4	1353.7
122.5°	475.3	448.2	421.1	448.2	475.3	482.1	602.3	762.6	842.7	992.4	1291.7
125°	507.7	483.0	458.3	483.0	507.7	513.9	619.1	759.2	829.3	956.4	1210.6
127.5°	538.4	513.5	488.5	513.5	538.4	544.6	635.7	757.2	818.0	927.1	1145.4
130°	558.4	531.6	504.7	531.6	558.4	565.1	647.9	758.4	813.7	910.8	1105.2
132.5°	575.1	548.2	521.4	548.2	575.1	581.8	657.9	759.2	809.9	896.9	1070.9
135°	595.1	570.7	546.2	570.7	595.1	601.2	668.6	758.5	803.4	876.3	1022.0
137.5°	620.0	595.8	571.5	595.8	620.0	626.0	684.8	763.2	802.4	863.9	987.1
140°	637.1	614.9	592.5	614.9	637.1	642.7	694.7	763.9	798.5	851.7	958.2
142.5°	650.0	629.3	608.8	629.3	650.0	655.2	702.9	766.7	798.5	845.3	938.7
145°	669.5	651.5	633.5	651.5	669.5	674.0	713.8	766.7	793.2	831.4	907.9
147.5°	693.4	675.8	658.4	675.8	693.4	697.7	729.5	772.0	793.2	823.3	883.5
150°	706.2	690.3	674.5	690.3	706.2	710.1	737.8	774.7	793.2	818.6	869.3
152.5°	715.2	703.2	691.3	703.2	715.2	718.2	743.2	776.5	793.2	814.9	858.3
155°	733.8	724.9	716.0	724.9	733.8	736.0	755.1	780.5	793.2	810.5	844.9
157.5°	751.6	743.1	734.4	743.1	751.6	753.8	767.0	784.5	793.2	806.6	833.4
160°	760.2	753.5	746.8	753.5	760.2	761.9	772.4	786.2	793.2	804.7	827.6
162.5°	769.3	764.3	759.2	764.3	769.3	770.5	778.1	788.1	793.2	802.9	822.2
165°	781.8	777.2	772.7	777.2	781.8	782.9	786.3	790.9	793.2	800.2	814.0
167.5°	789.4	787.2	785.1	787.2	789.4	789.9	792.8	796.6	798.5	803.1	812.2
170°	797.5	795.3	793.2	795.3	797.5	798.0	798.2	798.4	798.5	803.1	812.2
172.5°	798.4	797.9	797.5	797.9	798.4	798.5	798.5	798.5	798.5	802.1	809.3
175°	803.4	803.4	803.4	803.4	803.4	803.4	801.7	799.6	798.5	800.8	805.4
177.5°	803.4	803.4	803.4	803.4	803.4	803.4	802.2	800.5	799.7	801.5	805.1
180°	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4



TEST NUMBER: P934426

CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5	3653.5
2.5°	3525.6	3515.3	3529.0	3491.0	3529.0	3515.3	3525.6	3549.8	3529.0	3542.9	3556.8
5°	3093.5	3076.3	3021.0	2976.1	3021.0	3076.3	3093.5	3166.2	3200.7	3262.9	3345.9
7.5°	2765.2	2751.4	2737.6	2709.8	2737.6	2751.4	2765.2	2785.9	2820.5	2875.8	2938.1
10°	2692.6	2696.1	2716.8	2713.3	2716.8	2696.1	2692.6	2685.7	2675.3	2685.7	2723.7
12.5°	2879.3	2910.3	3024.4	3017.5	3024.4	2910.3	2879.3	2741.0	2647.7	2630.4	2637.3
15°	3093.5	3103.9	3128.2	3131.6	3128.2	3103.9	3093.5	3038.3	2758.2	2637.3	2599.3
17.5°	3114.3	3117.8	3135.0	3135.0	3135.0	3117.8	3114.3	3090.1	2996.7	2834.3	2620.0
20°	3097.0	3103.9	3138.5	3145.4	3138.5	3103.9	3097.0	3065.9	3014.1	2955.3	2792.9
22.5°	3090.1	3103.9	3131.6	3128.2	3131.6	3103.9	3090.1	3041.7	2996.7	2955.3	2889.7
25°	3055.5	3055.5	3059.0	3062.4	3059.0	3055.5	3055.5	3017.5	2927.7	2917.3	2879.3
27.5°	2983.0	2989.9	3010.6	3007.1	3010.6	2989.9	2983.0	2969.1	2872.3	2862.0	2834.3
30°	2917.3	2910.3	2893.1	2879.3	2893.1	2910.3	2917.3	2896.5	2799.8	2772.1	2779.0
32.5°	2806.6	2789.4	2772.1	2761.7	2772.1	2789.4	2806.6	2799.8	2727.2	2689.2	2696.1
35°	2675.3	2678.8	2675.3	2664.9	2675.3	2678.8	2675.3	2682.2	2637.3	2602.8	2599.3
37.5°	2582.0	2588.9	2585.5	2571.6	2585.5	2588.9	2582.0	2575.1	2512.9	2502.5	2509.5
40°	2485.2	2488.7	2485.2	2474.8	2485.2	2488.7	2485.2	2471.4	2385.0	2388.4	2412.7
42.5°	2391.9	2388.4	2378.0	2371.1	2378.0	2388.4	2391.9	2371.1	2260.6	2250.2	2295.1
45°	2284.7	2288.2	2267.5	2257.1	2267.5	2288.2	2284.7	2271.0	2156.9	2129.2	2160.3
47.5°	2177.6	2177.6	2160.3	2149.9	2160.3	2177.6	2177.6	2160.3	2039.3	2011.7	2029.0
50°	2063.5	2060.1	2035.9	2032.4	2035.9	2060.1	2063.5	2053.1	1925.3	1901.0	1901.0
52.5°	1932.2	1932.2	1935.7	1942.5	1935.7	1932.2	1932.2	1935.7	1821.6	1797.3	1790.5
55°	1818.1	1821.6	1845.7	1852.6	1845.7	1821.6	1818.1	1818.1	1714.4	1690.3	1676.4
57.5°	1700.6	1700.6	1717.9	1717.9	1717.9	1700.6	1700.6	1693.7	1593.5	1572.7	1565.8
60°	1565.8	1572.7	1586.5	1583.1	1586.5	1572.7	1565.8	1558.8	1472.4	1458.7	1434.4
62.5°	1424.0	1431.0	1434.4	1427.5	1434.4	1431.0	1424.0	1403.4	1351.5	1341.1	1310.0
65°	1275.4	1282.3	1285.8	1278.9	1285.8	1282.3	1275.4	1265.1	1227.0	1209.8	1182.1
67.5°	1123.4	1119.9	1116.5	1130.2	1116.5	1119.9	1123.4	1109.6	1085.3	1071.5	1033.4
70°	967.8	967.8	964.4	971.3	964.4	967.8	967.8	957.4	943.6	933.3	898.7
72.5°	801.9	798.4	812.3	801.9	812.3	798.4	801.9	798.4	791.5	781.2	746.6
75°	639.5	646.4	639.5	649.8	639.5	646.4	639.5	642.9	639.5	632.6	608.3
77.5°	487.4	494.3	487.4	487.4	487.4	494.3	487.4	490.8	490.8	490.8	470.1
80°	345.7	342.2	342.2	338.7	342.2	342.2	345.7	345.7	349.1	342.2	335.3
82.5°	221.2	217.7	217.7	224.6	217.7	217.7	221.2	224.6	217.7	217.7	217.7
85°	121.0	124.4	117.6	117.6	117.6	124.4	121.0	114.1	121.0	121.0	117.6
87.5°	44.9	41.5	41.5	41.5	41.5	41.5	44.9	48.4	48.4	48.4	51.9
90°	20.5	20.5	20.5	20.5	20.5	20.5	20.5	27.3	36.5	41.0	35.2
92.5°	102.5	98.4	82.1	65.8	82.1	98.4	102.5	145.2	202.2	230.7	202.6
95°	347.8	335.4	286.0	236.7	286.0	335.4	347.8	456.7	601.9	674.5	569.7
97.5°	802.9	779.4	685.4	591.5	685.4	779.4	802.9	871.7	963.5	1009.4	834.5
100°	1127.5	1099.5	987.6	875.7	987.6	1099.5	1127.5	1122.4	1115.7	1112.4	918.3
102.5°	1404.6	1380.6	1284.8	1188.9	1284.8	1380.6	1404.6	1316.9	1199.9	1141.5	944.8
105°	1728.1	1715.2	1663.8	1612.2	1663.8	1715.2	1728.1	1531.5	1269.3	1138.3	947.7
107.5°	1896.4	1899.6	1911.9	1924.4	1911.9	1899.6	1896.4	1622.2	1256.4	1073.6	905.6
110°	1939.5	1952.9	2006.6	2060.3	2006.6	1952.9	1939.5	1632.9	1224.1	1019.7	868.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1912.0	1932.6	2015.1	2097.5	2015.1	1932.6	1912.0	1598.2	1179.8	970.6	835.5
115°	1818.7	1847.3	1961.6	2076.0	1961.6	1847.3	1818.7	1516.4	1113.3	911.8	798.1
117.5°	1689.8	1721.5	1848.3	1975.1	1848.3	1721.5	1689.8	1417.0	1053.2	871.3	774.6
120°	1603.1	1633.8	1757.1	1880.2	1757.1	1633.8	1603.1	1353.7	1021.4	855.2	766.8
122.5°	1516.2	1546.6	1668.1	1789.6	1668.1	1546.6	1516.2	1291.7	992.4	842.7	762.6
125°	1401.4	1429.4	1541.2	1653.2	1541.2	1429.4	1401.4	1210.6	956.4	829.3	759.2
127.5°	1309.2	1332.8	1427.2	1521.6	1427.2	1332.8	1309.2	1145.4	927.1	818.0	757.2
130°	1250.9	1272.7	1360.0	1447.2	1360.0	1272.7	1250.9	1105.2	910.8	813.7	758.4
132.5°	1201.3	1220.8	1299.0	1377.1	1299.0	1220.8	1201.3	1070.9	896.9	809.9	759.2
135°	1131.3	1148.1	1215.4	1282.8	1215.4	1148.1	1131.3	1022.0	876.3	803.4	758.5
137.5°	1079.5	1093.3	1148.4	1203.5	1148.4	1093.3	1079.5	987.1	863.9	802.4	763.2
140°	1038.0	1050.9	1102.3	1153.9	1102.3	1050.9	1038.0	958.2	851.7	798.5	763.9
142.5°	1008.9	1019.9	1064.3	1108.6	1064.3	1019.9	1008.9	938.7	845.3	798.5	766.7
145°	965.2	973.5	1007.1	1040.7	1007.1	973.5	965.2	907.9	831.4	793.2	766.7
147.5°	928.5	935.5	963.2	991.1	963.2	935.5	928.5	883.5	823.3	793.2	772.0
150°	907.4	913.1	935.6	958.2	935.6	913.1	907.4	869.3	818.6	793.2	774.7
152.5°	890.8	895.1	912.1	929.1	912.1	895.1	890.8	858.3	814.9	793.2	776.5
155°	870.8	873.6	884.9	896.2	884.9	873.6	870.8	844.9	810.5	793.2	780.5
157.5°	853.5	855.6	863.4	871.3	863.4	855.6	853.5	833.4	806.6	793.2	784.5
160°	844.9	846.0	850.7	855.2	850.7	846.0	844.9	827.6	804.7	793.2	786.2
162.5°	836.8	837.9	842.2	846.6	842.2	837.9	836.8	822.2	802.9	793.2	788.1
165°	824.4	825.6	830.2	834.7	830.2	825.6	824.4	814.0	800.2	793.2	790.9
167.5°	819.0	819.5	821.5	823.4	821.5	819.5	819.0	812.2	803.1	798.5	796.6
170°	819.0	819.0	819.0	819.0	819.0	819.0	819.0	812.2	803.1	798.5	798.4
172.5°	814.7	814.3	812.6	811.0	812.6	814.3	814.7	809.3	802.1	798.5	798.5
175°	808.8	808.8	808.8	808.8	808.8	808.8	808.8	805.4	800.8	798.5	799.6
177.5°	807.8	807.2	805.3	803.4	805.3	807.2	807.8	805.1	801.5	799.7	800.5
180°	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4	803.4



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3653.5	3653.5	3653.5	3653.5	3653.5
2.5°	3608.6	3625.8	3636.2	3650.1	3684.6
5°	3470.3	3536.0	3556.8	3608.6	3670.8
7.5°	3166.2	3366.7	3421.9	3546.4	3643.1
10°	2872.3	3072.8	3169.6	3463.4	3608.6
12.5°	2723.7	2841.3	2906.9	3318.3	3560.2
15°	2630.4	2713.3	2761.7	3124.7	3504.9
17.5°	2557.8	2616.5	2651.2	2934.6	3428.8
20°	2512.9	2540.5	2571.6	2796.3	3342.4
22.5°	2481.7	2464.5	2488.7	2699.6	3224.9
25°	2461.1	2395.4	2423.0	2623.5	3086.7
27.5°	2478.3	2333.1	2343.5	2554.4	2941.5
30°	2481.7	2257.1	2260.6	2481.7	2779.0
32.5°	2457.6	2177.6	2181.0	2391.9	2595.8
35°	2398.8	2084.2	2080.8	2288.2	2347.0
37.5°	2319.3	1984.1	1984.1	2174.2	2073.9
40°	2222.6	1883.8	1894.1	2025.5	1832.0
42.5°	2105.0	1776.6	1790.5	1828.5	1652.2
45°	1977.1	1672.9	1683.3	1545.1	1513.9
47.5°	1835.4	1565.8	1569.2	1282.3	1469.0
50°	1666.0	1455.2	1441.4	1099.2	1465.5
52.5°	1517.4	1334.2	1292.7	995.4	1330.7
55°	1372.2	1206.3	1116.5	916.0	1233.9
57.5°	1244.3	1040.4	954.0	822.7	1213.3
60°	1126.8	878.0	812.3	722.4	1113.0
62.5°	1030.0	757.0	743.1	653.2	1009.3
65°	926.4	674.0	670.6	594.6	857.2
67.5°	826.1	618.7	615.2	539.2	653.2
70°	719.0	559.9	553.0	480.5	483.9
72.5°	608.3	494.3	487.4	432.1	401.0
75°	497.8	418.2	414.7	376.7	324.9
77.5°	390.6	331.8	338.7	304.2	238.5
80°	280.0	242.0	248.9	217.7	179.7
82.5°	186.6	159.0	165.9	138.2	121.0
85°	103.7	89.9	93.3	72.6	55.3
87.5°	48.4	41.5	41.5	27.6	17.3
90°	23.7	15.1	14.0	9.7	5.4
92.5°	146.2	104.0	94.9	58.2	21.5
95°	360.0	202.7	186.0	118.9	51.8
97.5°	484.9	222.7	207.9	148.7	89.5
100°	530.4	239.4	225.9	172.3	118.6
102.5°	551.2	256.1	243.6	193.5	143.4
105°	566.6	280.9	270.2	227.9	185.5
107.5°	569.6	317.6	307.7	268.2	228.6
110°	565.3	338.1	329.2	293.4	257.8



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	565.4	362.9	354.3	320.3	286.3
115°	570.7	400.1	392.2	360.8	329.5
117.5°	581.2	436.2	429.0	400.5	372.0
120°	589.8	457.2	450.5	423.7	396.9
122.5°	602.3	482.1	475.3	448.2	421.1
125°	619.1	513.9	507.7	483.0	458.3
127.5°	635.7	544.6	538.4	513.5	488.5
130°	647.9	565.1	558.4	531.6	504.7
132.5°	657.9	581.8	575.1	548.2	521.4
135°	668.6	601.2	595.1	570.7	546.2
137.5°	684.8	626.0	620.0	595.8	571.5
140°	694.7	642.7	637.1	614.9	592.5
142.5°	702.9	655.2	650.0	629.3	608.8
145°	713.8	674.0	669.5	651.5	633.5
147.5°	729.5	697.7	693.4	675.8	658.4
150°	737.8	710.1	706.2	690.3	674.5
152.5°	743.2	718.2	715.2	703.2	691.3
155°	755.1	736.0	733.8	724.9	716.0
157.5°	767.0	753.8	751.6	743.1	734.4
160°	772.4	761.9	760.2	753.5	746.8
162.5°	778.1	770.5	769.3	764.3	759.2
165°	786.3	782.9	781.8	777.2	772.7
167.5°	792.8	789.9	789.4	787.2	785.1
170°	798.2	798.0	797.5	795.3	793.2
172.5°	798.5	798.5	798.4	797.9	797.5
175°	801.7	803.4	803.4	803.4	803.4
177.5°	802.2	803.4	803.4	803.4	803.4
180°	803.4	803.4	803.4	803.4	803.4



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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	14.48	15.49	15.30	16.33	17.38	17.33	18.34	18.15	19.18	20.23
	3H	14.97	15.87	15.80	16.73	17.80	18.69	19.60	19.53	20.45	21.53
	4H	15.17	16.02	16.02	16.88	17.97	19.15	20.00	20.00	20.87	21.95
	6H	15.29	16.08	16.16	16.95	18.05	19.45	20.24	20.31	21.10	22.20
	8H	15.30	16.05	16.17	16.93	18.03	19.53	20.28	20.40	21.17	22.27
	12H	15.27	15.99	16.15	16.87	17.99	19.58	20.29	20.45	21.17	22.30
4H	2H	15.54	16.39	16.39	17.25	18.34	17.76	18.61	18.61	19.47	20.56
	3H	16.58	17.29	17.44	18.18	19.28	19.28	20.00	20.15	20.89	21.99
	4H	16.86	17.51	17.74	18.40	19.53	19.82	20.47	20.70	21.36	22.49
	6H	16.99	17.55	17.89	18.47	19.60	20.20	20.76	21.10	21.68	22.81
	8H	17.00	17.52	17.90	18.43	19.58	20.31	20.84	21.21	21.75	22.89
	12H	16.97	17.45	17.89	18.37	19.52	20.38	20.85	21.30	21.78	22.93
8H	4H	17.33	17.85	18.23	18.76	19.90	19.96	20.48	20.86	21.39	22.53
	6H	17.60	18.03	18.52	18.98	20.12	20.41	20.84	21.33	21.79	22.93
	8H	17.64	18.02	18.57	18.97	20.13	20.56	20.95	21.50	21.89	23.05
	12H	17.63	17.97	18.57	18.90	20.11	20.67	21.01	21.61	21.94	23.16
12H	4H	17.34	17.81	18.26	18.74	19.89	19.93	20.40	20.85	21.33	22.48
	6H	17.66	18.04	18.59	18.98	20.15	20.40	20.79	21.34	21.73	22.89
	8H	17.73	18.07	18.67	19.00	20.22	20.58	20.91	21.51	21.85	23.06