

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: P934427

Luminaire Tested: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-12-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934427
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-12-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

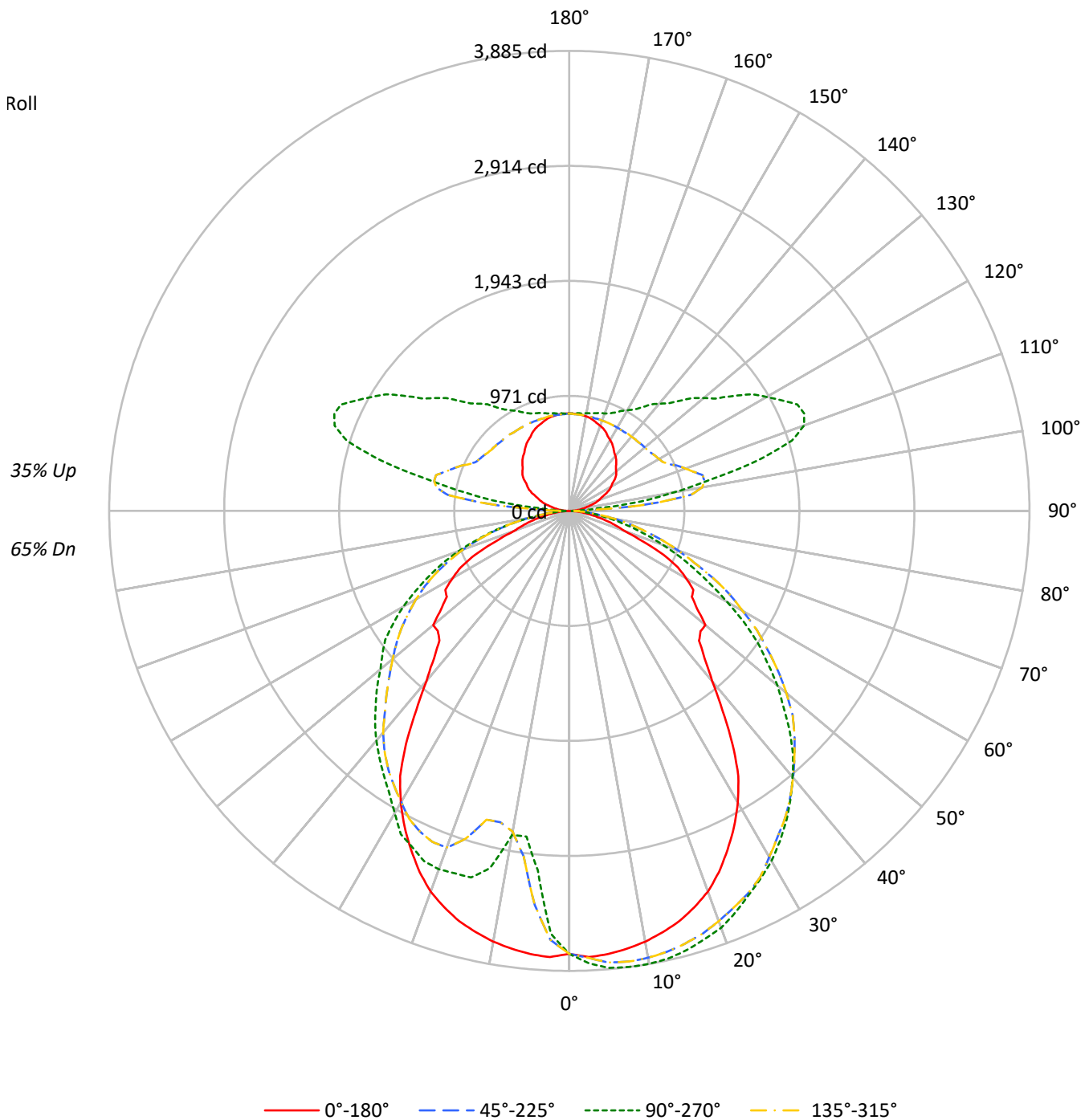
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15030.8 lumens
Efficiency: N/A
Efficacy: 110.8 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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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
RCR																				
0	111	111	111	111	104	104	104	104	91	91	91	80	80	80	69	69	69	65		
1	101	97	93	89	95	91	88	84	80	78	75	71	69	67	62	60	59	55		
2	92	85	78	73	86	80	74	69	70	66	63	62	59	56	54	52	50	46		
3	84	74	67	61	79	70	63	58	62	57	53	55	51	47	48	45	42	39		
4	77	66	58	52	72	62	55	49	55	49	45	49	44	41	43	39	36	33		
5	71	59	50	44	66	56	48	42	49	43	39	44	39	35	39	35	32	29		
6	65	53	44	38	61	50	42	37	45	38	34	40	35	31	35	31	28	25		
7	60	48	39	34	56	45	38	32	40	34	30	36	31	27	32	28	25	22		
8	56	43	35	30	52	41	34	29	37	31	27	33	28	24	29	25	22	20		
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	27	23	20	18		
10	49	36	29	24	46	35	28	23	31	25	21	28	23	20	25	21	18	16		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11567	11567	11567	11567
5°	11658	11677	11658	9181
10°	11584	11502	11584	8223
15°	11463	11253	11463	9396
20°	11227	10958	11227	9416
25°	10741	10527	10741	9216
30°	10111	10170	10111	8779
35°	9019	9717	9019	8297
40°	7519	9185	7519	7933
45°	6723	8562	6723	7515
50°	7147	7819	7147	7095
55°	6731	7018	6731	6852
60°	6948	5961	6948	6276
65°	6309	4927	6309	5508
70°	4379	3927	4379	4617
75°	3855	2903	3855	3476
80°	3130	1919	3130	2089
85°	1834	1016	1834	864

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10297 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.6	2.2
10°-20°	958.5	6.4
20°-30°	1481.6	9.9
30°-40°	1768.8	11.8
40°-50°	1779.1	11.8
50°-60°	1548.0	10.3
60°-70°	1097.6	7.3
70°-80°	580.7	3.9
80°-90°	147.8	1.0
90°-100°	400.9	2.7
100°-110°	1053.9	7.0
110°-120°	1092.8	7.3
120°-130°	876.5	5.8
130°-140°	687.8	4.6
140°-150°	527.9	3.5
150°-160°	380.2	2.5
160°-170°	232.6	1.5
170°-180°	78.6	0.5
0°-30°	2777.7	18.5
0°-40°	4546.5	30.2
0°-60°	7873.6	52.4
0°-90°	9699.7	64.5
90°-120°	2547.5	16.9
90°-150°	4639.7	30.9
90°-180°	5331.0	35.5
0°-180°	15030.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3740	3740	3740	3740	3740	
5°	3758	3874	3758	3046	3758	356
15°	3588	3839	3588	3206	3588	1009
25°	3160	3581	3160	3135	3160	1451
35°	2402	3195	2402	2728	2402	1486
45°	1550	2632	1550	2310	1550	1241
55°	1263	1942	1263	1896	1263	1161
65°	877	1171	877	1309	877	839
75°	333	556	333	665	333	350
85°	57	142	57	120	57	76
90°	6	21	6	21	6	7
95°	53	242	53	242	53	59
105°	190	1650	190	1650	190	201
115°	337	2125	337	2125	337	333
125°	469	1692	469	1692	469	416
135°	559	1313	559	1313	559	433
145°	648	1065	648	1065	648	406
155°	733	917	733	917	733	337
165°	791	854	791	854	791	223
175°	822	828	822	828	822	78
180°	822	822	822	822	822	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7
2.5°	3771.6	3771.6	3792.8	3799.9	3799.9	3789.3	3778.6	3789.3	3821.1	3831.7	3828.2
5°	3757.5	3785.8	3824.7	3831.7	3838.8	3835.3	3828.2	3835.3	3870.7	3877.7	3881.3
7.5°	3729.1	3782.2	3831.7	3842.4	3853.0	3842.4	3838.8	3845.9	3881.3	3888.3	3888.3
10°	3693.8	3768.1	3824.7	3831.7	3842.4	3831.7	3831.7	3845.9	3881.3	3888.3	3891.9
12.5°	3644.2	3746.9	3799.9	3807.0	3821.1	3817.6	3814.1	3828.2	3863.6	3870.7	3870.7
15°	3587.6	3707.9	3757.5	3764.5	3789.3	3782.2	3782.2	3796.4	3835.3	3845.9	3842.4
17.5°	3509.8	3658.4	3715.0	3725.6	3743.3	3739.7	3743.3	3757.5	3792.8	3799.9	3803.5
20°	3421.3	3591.2	3658.4	3669.0	3686.7	3686.7	3686.7	3704.4	3739.7	3753.9	3753.9
22.5°	3301.0	3520.4	3591.2	3598.2	3619.5	3619.5	3626.5	3651.3	3683.1	3686.7	3686.7
25°	3159.5	3442.6	3502.7	3524.0	3545.1	3555.8	3566.4	3580.6	3591.2	3587.6	3591.2
27.5°	3010.9	3343.5	3421.3	3435.5	3463.8	3474.4	3488.5	3492.1	3495.6	3506.2	3499.2
30°	2844.6	3205.5	3322.2	3336.4	3382.4	3389.5	3375.4	3382.4	3400.1	3407.2	3414.3
32.5°	2657.1	3000.3	3219.7	3251.5	3293.9	3272.7	3269.2	3279.8	3308.1	3308.1	3315.2
35°	2402.4	2841.1	3124.2	3152.5	3184.2	3159.5	3173.6	3177.2	3194.9	3205.5	3202.0
37.5°	2122.8	2703.1	3025.1	3046.3	3071.1	3039.2	3060.4	3071.1	3085.3	3078.1	3078.1
40°	1875.2	2487.3	2908.3	2922.4	2943.7	2919.0	2940.1	2947.3	2954.3	2947.3	2943.7
42.5°	1691.2	2250.2	2784.4	2802.2	2788.0	2805.7	2812.7	2826.9	2816.3	2802.2	2802.2
45°	1549.7	2186.6	2650.0	2671.3	2650.0	2678.3	2688.9	2688.9	2657.1	2650.0	2646.5
47.5°	1503.7	2059.2	2515.6	2515.6	2505.0	2540.3	2558.1	2533.3	2501.4	2490.9	2490.9
50°	1500.1	1917.6	2331.6	2317.4	2367.0	2409.4	2391.8	2367.0	2342.2	2303.3	2303.3
52.5°	1362.1	1744.3	2094.5	2147.6	2225.5	2250.2	2221.9	2197.2	2154.7	2137.0	2122.8
55°	1263.1	1563.9	1878.7	1984.8	2066.2	2098.1	2045.0	2020.3	1956.5	1945.9	1938.9
57.5°	1241.9	1302.0	1680.6	1815.1	1914.1	1910.6	1878.7	1832.7	1779.6	1769.1	1765.5
60°	1139.3	941.1	1468.3	1627.5	1730.2	1719.5	1691.2	1648.8	1599.2	1592.2	1585.0
62.5°	1033.1	682.9	1227.7	1408.2	1553.2	1549.7	1525.0	1461.2	1425.9	1408.2	1394.0
65°	877.4	573.2	873.9	1171.1	1379.8	1387.0	1333.8	1287.9	1249.0	1227.7	1224.1
67.5°	668.7	467.0	590.8	976.5	1213.6	1206.5	1139.3	1118.0	1068.5	1057.8	1036.7
70°	495.3	311.3	410.4	792.6	1050.8	1033.1	980.0	955.3	909.3	884.5	870.4
72.5°	410.4	251.2	300.7	615.6	884.5	863.3	817.3	789.0	750.1	728.8	714.7
75°	332.6	265.4	229.9	456.4	718.2	704.1	661.6	633.3	601.4	573.2	576.7
77.5°	244.1	247.7	184.0	336.2	569.7	548.4	523.6	488.3	474.1	445.8	445.8
80°	184.0	194.6	138.0	229.9	410.4	410.4	389.2	364.5	339.6	325.5	325.5
82.5°	123.8	123.8	102.6	145.1	279.5	268.9	254.8	247.7	233.5	226.5	226.5
85°	56.6	70.8	63.6	88.5	152.1	159.2	159.2	152.1	148.6	141.5	145.1
87.5°	17.7	31.9	38.9	49.5	77.8	81.4	84.9	84.9	84.9	88.5	88.5
90°	5.5	9.9	14.4	15.4	24.3	36.1	42.0	37.3	27.9	21.0	21.0
92.5°	22.0	59.5	97.1	106.5	149.7	207.4	236.2	207.0	148.6	104.9	100.7
95°	53.0	121.7	190.4	207.5	368.5	583.1	690.4	616.1	467.5	356.0	343.3
97.5°	91.6	152.2	212.8	228.0	496.4	854.2	1033.2	986.3	892.3	821.8	797.8
100°	121.4	176.4	231.3	245.0	542.9	940.0	1138.6	1142.0	1148.9	1154.1	1125.4
102.5°	146.8	198.1	249.3	262.2	564.2	967.1	1168.4	1228.2	1347.9	1437.7	1413.2
105°	189.9	233.2	276.6	287.5	580.0	970.1	1165.1	1299.3	1567.6	1768.9	1755.7
107.5°	234.0	274.5	315.0	325.1	583.1	927.0	1098.9	1286.1	1660.5	1941.2	1944.4
110°	263.9	300.4	337.0	346.1	578.6	888.7	1043.7	1253.0	1671.4	1985.3	1999.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	293.0	327.9	362.7	371.4	578.8	855.2	993.5	1207.6	1635.9	1957.2	1978.2
115°	337.2	369.4	401.5	409.5	584.1	816.9	933.3	1139.6	1552.2	1861.6	1890.9
117.5°	380.8	410.0	439.2	446.5	594.9	792.9	891.9	1078.1	1450.4	1729.7	1762.1
120°	406.2	433.7	461.1	468.0	603.8	784.9	875.4	1045.5	1385.7	1640.9	1672.4
122.5°	431.0	458.8	486.5	493.4	616.5	780.6	862.6	1015.8	1322.2	1552.0	1583.1
125°	469.2	494.4	519.7	526.0	633.7	777.1	848.9	979.0	1239.2	1434.4	1463.1
127.5°	500.0	525.6	551.1	557.4	650.7	775.1	837.3	949.0	1172.5	1340.1	1364.3
130°	516.6	544.1	571.5	578.4	663.2	776.3	832.9	932.3	1131.3	1280.5	1302.8
132.5°	533.7	561.2	588.7	595.6	673.4	777.1	829.0	918.1	1096.1	1229.7	1249.7
135°	559.1	584.1	609.1	615.4	684.4	776.4	822.4	897.0	1046.2	1158.0	1175.2
137.5°	585.0	609.8	634.7	640.8	701.0	781.2	821.3	884.3	1010.4	1105.0	1119.1
140°	606.5	629.4	652.1	657.9	711.1	781.9	817.4	871.8	980.8	1062.5	1075.7
142.5°	623.1	644.2	665.4	670.6	719.5	784.8	817.4	865.2	960.9	1032.7	1044.0
145°	648.5	666.9	685.3	689.9	730.6	784.8	811.9	851.0	929.3	988.0	996.5
147.5°	673.9	691.8	709.7	714.2	746.8	790.2	811.9	842.7	904.3	950.5	957.6
150°	690.4	706.6	722.8	726.9	755.2	793.0	811.9	837.9	889.9	928.9	934.7
152.5°	707.6	719.8	732.1	735.2	760.8	794.9	811.9	834.2	878.5	911.8	916.2
155°	732.9	742.0	751.1	753.4	772.9	798.9	811.9	829.6	864.9	891.4	894.2
157.5°	751.8	760.6	769.3	771.6	785.1	803.0	811.9	825.7	853.1	873.7	875.7
160°	764.4	771.3	778.2	779.9	790.6	804.8	811.9	823.7	847.2	864.9	866.0
162.5°	777.1	782.3	787.5	788.7	796.5	806.7	811.9	821.8	841.7	856.6	857.6
165°	791.0	795.6	800.2	801.4	804.9	809.6	811.9	819.1	833.3	843.9	845.0
167.5°	803.6	805.8	808.0	808.5	811.5	815.4	817.4	822.0	831.4	838.3	838.9
170°	811.9	814.1	816.3	816.8	817.0	817.3	817.4	822.0	831.4	838.3	838.3
172.5°	816.3	816.7	817.3	817.4	817.4	817.4	817.4	821.0	828.4	834.0	833.5
175°	822.4	822.4	822.4	822.4	820.7	818.4	817.4	819.7	824.4	827.9	827.9
177.5°	822.4	822.4	822.4	822.4	821.1	819.4	818.5	820.4	824.1	826.8	826.3
180°	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7
2.5°	3835.3	3824.7	3835.3	3828.2	3831.7	3821.1	3789.3	3778.6	3789.3	3799.9	3799.9
5°	3881.3	3874.2	3881.3	3881.3	3877.7	3870.7	3835.3	3828.2	3835.3	3838.8	3831.7
7.5°	3895.4	3884.9	3895.4	3888.3	3888.3	3881.3	3845.9	3838.8	3842.4	3853.0	3842.4
10°	3895.4	3884.9	3895.4	3891.9	3888.3	3881.3	3845.9	3831.7	3831.7	3842.4	3831.7
12.5°	3877.7	3870.7	3877.7	3870.7	3870.7	3863.6	3828.2	3814.1	3817.6	3821.1	3807.0
15°	3849.4	3838.8	3849.4	3842.4	3845.9	3835.3	3796.4	3782.2	3782.2	3789.3	3764.5
17.5°	3807.0	3792.8	3807.0	3803.5	3799.9	3792.8	3757.5	3743.3	3739.7	3743.3	3725.6
20°	3757.5	3746.9	3757.5	3753.9	3753.9	3739.7	3704.4	3686.7	3686.7	3686.7	3669.0
22.5°	3679.6	3669.0	3679.6	3686.7	3686.7	3683.1	3651.3	3626.5	3619.5	3619.5	3598.2
25°	3591.2	3580.6	3591.2	3591.2	3587.6	3591.2	3580.6	3566.4	3555.8	3545.1	3524.0
27.5°	3506.2	3499.2	3506.2	3499.2	3506.2	3495.6	3492.1	3488.5	3474.4	3463.8	3435.5
30°	3421.3	3414.3	3421.3	3414.3	3407.2	3400.1	3382.4	3375.4	3389.5	3382.4	3336.4
32.5°	3315.2	3308.1	3315.2	3315.2	3308.1	3308.1	3279.8	3269.2	3272.7	3293.9	3251.5
35°	3205.5	3194.9	3205.5	3202.0	3205.5	3194.9	3177.2	3173.6	3159.5	3184.2	3152.5
37.5°	3078.1	3067.5	3078.1	3078.1	3078.1	3085.3	3071.1	3060.4	3039.2	3071.1	3046.3
40°	2947.3	2933.1	2947.3	2943.7	2947.3	2954.3	2947.3	2940.1	2919.0	2943.7	2922.4
42.5°	2798.6	2795.1	2798.6	2802.2	2802.2	2816.3	2826.9	2812.7	2805.7	2788.0	2802.2
45°	2639.4	2632.3	2639.4	2646.5	2650.0	2657.1	2688.9	2688.9	2678.3	2650.0	2671.3
47.5°	2469.6	2451.9	2469.6	2490.9	2490.9	2501.4	2533.3	2558.1	2540.3	2505.0	2515.6
50°	2289.1	2292.7	2289.1	2303.3	2303.3	2342.2	2367.0	2391.8	2409.4	2367.0	2317.4
52.5°	2112.2	2108.7	2112.2	2122.8	2137.0	2154.7	2197.2	2221.9	2250.2	2225.5	2147.6
55°	1935.3	1942.4	1935.3	1938.9	1945.9	1956.5	2020.3	2045.0	2098.1	2066.2	1984.8
57.5°	1758.5	1747.8	1758.5	1765.5	1769.1	1779.6	1832.7	1878.7	1910.6	1914.1	1815.1
60°	1553.2	1539.1	1553.2	1585.0	1592.2	1599.2	1648.8	1691.2	1719.5	1730.2	1627.5
62.5°	1372.8	1348.0	1372.8	1394.0	1408.2	1425.9	1461.2	1525.0	1549.7	1553.2	1408.2
65°	1181.7	1171.1	1181.7	1224.1	1227.7	1249.0	1287.9	1333.8	1387.0	1379.8	1171.1
67.5°	1008.4	1008.4	1008.4	1036.7	1057.8	1068.5	1118.0	1139.3	1206.5	1213.6	976.5
70°	849.1	845.6	849.1	870.4	884.5	909.3	955.3	980.0	1033.1	1050.8	792.6
72.5°	697.0	693.5	697.0	714.7	728.8	750.1	789.0	817.3	863.3	884.5	615.6
75°	562.5	555.5	562.5	576.7	573.2	601.4	633.3	661.6	704.1	718.2	456.4
77.5°	431.7	431.7	431.7	445.8	445.8	474.1	488.3	523.6	548.4	569.7	336.2
80°	322.0	318.4	322.0	325.5	325.5	339.6	364.5	389.2	410.4	410.4	229.9
82.5°	226.5	219.3	226.5	226.5	226.5	233.5	247.7	254.8	268.9	279.5	145.1
85°	141.5	141.5	141.5	145.1	141.5	148.6	152.1	159.2	159.2	152.1	88.5
87.5°	92.0	88.5	92.0	88.5	88.5	84.9	84.9	84.9	81.4	77.8	49.5
90°	21.0	21.0	21.0	21.0	21.0	27.9	37.3	42.0	36.1	24.3	15.4
92.5°	84.0	67.3	84.0	100.7	104.9	148.6	207.0	236.2	207.4	149.7	106.5
95°	292.8	242.3	292.8	343.3	356.0	467.5	616.1	690.4	583.1	368.5	207.5
97.5°	701.6	605.5	701.6	797.8	821.8	892.3	986.3	1033.2	854.2	496.4	228.0
100°	1010.9	896.4	1010.9	1125.4	1154.1	1148.9	1142.0	1138.6	940.0	542.9	245.0
102.5°	1315.1	1217.0	1315.1	1413.2	1437.7	1347.9	1228.2	1168.4	967.1	564.2	262.2
105°	1703.0	1650.3	1703.0	1755.7	1768.9	1567.6	1299.3	1165.1	970.1	580.0	287.5
107.5°	1957.1	1969.8	1957.1	1944.4	1941.2	1660.5	1286.1	1098.9	927.0	583.1	325.1
110°	2053.9	2108.9	2053.9	1999.0	1985.3	1671.4	1253.0	1043.7	888.7	578.6	346.1



TEST NUMBER: P934427

CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2062.7	2147.0	2062.7	1978.2	1957.2	1635.9	1207.6	993.5	855.2	578.8	371.4
115°	2007.9	2125.0	2007.9	1890.9	1861.6	1552.2	1139.6	933.3	816.9	584.1	409.5
117.5°	1891.9	2021.7	1891.9	1762.1	1729.7	1450.4	1078.1	891.9	792.9	594.9	446.5
120°	1798.5	1924.6	1798.5	1672.4	1640.9	1385.7	1045.5	875.4	784.9	603.8	468.0
122.5°	1707.5	1831.8	1707.5	1583.1	1552.0	1322.2	1015.8	862.6	780.6	616.5	493.4
125°	1577.6	1692.2	1577.6	1463.1	1434.4	1239.2	979.0	848.9	777.1	633.7	526.0
127.5°	1460.9	1557.5	1460.9	1364.3	1340.1	1172.5	949.0	837.3	775.1	650.7	557.4
130°	1392.1	1481.4	1392.1	1302.8	1280.5	1131.3	932.3	832.9	776.3	663.2	578.4
132.5°	1329.6	1409.6	1329.6	1249.7	1229.7	1096.1	918.1	829.0	777.1	673.4	595.6
135°	1244.1	1313.0	1244.1	1175.2	1158.0	1046.2	897.0	822.4	776.4	684.4	615.4
137.5°	1175.5	1231.9	1175.5	1119.1	1105.0	1010.4	884.3	821.3	781.2	701.0	640.8
140°	1128.4	1181.1	1128.4	1075.7	1062.5	980.8	871.8	817.4	781.9	711.1	657.9
142.5°	1089.4	1134.8	1089.4	1044.0	1032.7	960.9	865.2	817.4	784.8	719.5	670.6
145°	1030.9	1065.3	1030.9	996.5	988.0	929.3	851.0	811.9	784.8	730.6	689.9
147.5°	986.0	1014.5	986.0	957.6	950.5	904.3	842.7	811.9	790.2	746.8	714.2
150°	957.7	980.8	957.7	934.7	928.9	889.9	837.9	811.9	793.0	755.2	726.9
152.5°	933.6	951.0	933.6	916.2	911.8	878.5	834.2	811.9	794.9	760.8	735.2
155°	905.8	917.3	905.8	894.2	891.4	864.9	829.6	811.9	798.9	772.9	753.4
157.5°	883.8	891.9	883.8	875.7	873.7	853.1	825.7	811.9	803.0	785.1	771.6
160°	870.8	875.4	870.8	866.0	864.9	847.2	823.7	811.9	804.8	790.6	779.9
162.5°	862.1	866.6	862.1	857.6	856.6	841.7	821.8	811.9	806.7	796.5	788.7
165°	849.8	854.4	849.8	845.0	843.9	833.3	819.1	811.9	809.6	804.9	801.4
167.5°	840.8	842.8	840.8	838.9	838.3	831.4	822.0	817.4	815.4	811.5	808.5
170°	838.3	838.3	838.3	838.3	838.3	831.4	822.0	817.4	817.3	817.0	816.8
172.5°	831.8	830.1	831.8	833.5	834.0	828.4	821.0	817.4	817.4	817.4	817.4
175°	827.9	827.9	827.9	827.9	827.9	824.4	819.7	817.4	818.4	820.7	822.4
177.5°	824.3	822.4	824.3	826.3	826.8	824.1	820.4	818.5	819.4	821.1	822.4
180°	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4



TEST NUMBER: P934427

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7
2.5°	3792.8	3771.6	3771.6	3736.2	3722.0	3711.4	3693.8	3640.7	3626.5	3612.3	3633.6
5°	3824.7	3785.8	3757.5	3693.8	3640.7	3619.5	3552.3	3424.9	3339.9	3276.3	3240.9
7.5°	3831.7	3782.2	3729.1	3630.1	3502.7	3446.1	3240.9	3007.4	2943.7	2887.1	2851.7
10°	3824.7	3768.1	3693.8	3545.1	3244.4	3145.3	2940.1	2788.0	2749.1	2738.5	2749.1
12.5°	3799.9	3746.9	3644.2	3396.6	2975.5	2908.3	2788.0	2699.6	2692.5	2710.2	2805.7
15°	3757.5	3707.9	3587.6	3198.4	2826.9	2777.4	2692.5	2660.6	2699.6	2823.4	3110.0
17.5°	3715.0	3658.4	3509.8	3003.8	2713.7	2678.3	2618.1	2681.9	2901.2	3067.5	3163.1
20°	3658.4	3591.2	3421.3	2862.3	2632.3	2600.5	2572.2	2858.8	3025.1	3085.3	3138.3
22.5°	3591.2	3520.4	3301.0	2763.3	2547.4	2522.6	2540.3	2957.9	3025.1	3067.5	3113.5
25°	3502.7	3442.6	3159.5	2685.4	2480.2	2451.9	2519.2	2947.3	2986.2	2996.8	3088.7
27.5°	3421.3	3343.5	3010.9	2614.7	2398.8	2388.2	2536.8	2901.2	2929.6	2940.1	3039.2
30°	3322.2	3205.5	2844.6	2540.3	2313.9	2310.4	2540.3	2844.6	2837.5	2865.8	2964.9
32.5°	3219.7	3000.3	2657.1	2448.4	2232.5	2229.0	2515.6	2759.7	2752.7	2791.6	2865.8
35°	3124.2	2841.1	2402.4	2342.2	2130.0	2133.5	2455.4	2660.6	2664.2	2699.6	2745.5
37.5°	3025.1	2703.1	2122.8	2225.5	2030.9	2030.9	2374.0	2568.7	2561.6	2572.2	2635.9
40°	2908.3	2487.3	1875.2	2073.3	1938.9	1928.2	2275.0	2469.6	2444.8	2441.3	2529.8
42.5°	2784.4	2250.2	1691.2	1871.6	1832.7	1818.5	2154.7	2349.3	2303.3	2313.9	2427.1
45°	2650.0	2186.6	1549.7	1581.5	1723.0	1712.4	2023.7	2211.3	2179.4	2207.8	2324.6
47.5°	2515.6	2059.2	1503.7	1312.6	1606.3	1602.8	1878.7	2076.9	2059.2	2087.5	2211.3
50°	2331.6	1917.6	1500.1	1125.1	1475.4	1489.5	1705.4	1945.9	1945.9	1970.7	2101.6
52.5°	2094.5	1744.3	1362.1	1018.9	1323.2	1365.7	1553.2	1832.7	1839.8	1864.6	1981.3
55°	1878.7	1563.9	1263.1	937.6	1142.8	1234.8	1404.6	1716.0	1730.2	1754.9	1861.0
57.5°	1680.6	1302.0	1241.9	842.1	976.5	1065.0	1273.7	1602.8	1609.8	1631.1	1733.6
60°	1468.3	941.1	1139.3	739.4	831.5	898.7	1153.4	1468.3	1493.1	1507.2	1595.6
62.5°	1227.7	682.9	1033.1	668.7	760.7	774.9	1054.4	1340.9	1372.8	1383.4	1436.5
65°	873.9	573.2	877.4	608.6	686.4	689.9	948.2	1210.0	1238.3	1256.0	1294.9
67.5°	590.8	467.0	668.7	551.9	629.7	633.3	845.6	1057.8	1096.8	1111.0	1135.8
70°	410.4	311.3	495.3	491.8	566.1	573.2	736.0	919.9	955.3	965.9	980.0
72.5°	300.7	251.2	410.4	442.3	498.9	505.9	622.7	764.3	799.6	810.2	817.3
75°	229.9	265.4	332.6	385.6	424.5	428.1	509.5	622.7	647.5	654.6	658.0
77.5°	184.0	247.7	244.1	311.3	346.7	339.6	399.8	481.2	502.4	502.4	502.4
80°	138.0	194.6	184.0	222.9	254.8	247.7	286.6	343.2	350.3	357.3	353.8
82.5°	102.6	123.8	123.8	141.5	169.9	162.7	191.0	222.9	222.9	222.9	229.9
85°	63.6	70.8	56.6	74.3	95.5	92.0	106.1	120.3	123.8	123.8	116.8
87.5°	38.9	31.9	17.7	28.3	42.5	42.5	49.5	53.1	49.5	49.5	49.5
90°	14.4	9.9	5.5	9.9	14.4	15.4	24.3	36.1	42.0	37.3	27.9
92.5°	97.1	59.5	22.0	59.5	97.1	106.5	149.7	207.4	236.2	207.0	148.6
95°	190.4	121.7	53.0	121.7	190.4	207.5	368.5	583.1	690.4	616.1	467.5
97.5°	212.8	152.2	91.6	152.2	212.8	228.0	496.4	854.2	1033.2	986.3	892.3
100°	231.3	176.4	121.4	176.4	231.3	245.0	542.9	940.0	1138.6	1142.0	1148.9
102.5°	249.3	198.1	146.8	198.1	249.3	262.2	564.2	967.1	1168.4	1228.2	1347.9
105°	276.6	233.2	189.9	233.2	276.6	287.5	580.0	970.1	1165.1	1299.3	1567.6
107.5°	315.0	274.5	234.0	274.5	315.0	325.1	583.1	927.0	1098.9	1286.1	1660.5
110°	337.0	300.4	263.9	300.4	337.0	346.1	578.6	888.7	1043.7	1253.0	1671.4



TEST NUMBER: P934427

CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	362.7	327.9	293.0	327.9	362.7	371.4	578.8	855.2	993.5	1207.6	1635.9
115°	401.5	369.4	337.2	369.4	401.5	409.5	584.1	816.9	933.3	1139.6	1552.2
117.5°	439.2	410.0	380.8	410.0	439.2	446.5	594.9	792.9	891.9	1078.1	1450.4
120°	461.1	433.7	406.2	433.7	461.1	468.0	603.8	784.9	875.4	1045.5	1385.7
122.5°	486.5	458.8	431.0	458.8	486.5	493.4	616.5	780.6	862.6	1015.8	1322.2
125°	519.7	494.4	469.2	494.4	519.7	526.0	633.7	777.1	848.9	979.0	1239.2
127.5°	551.1	525.6	500.0	525.6	551.1	557.4	650.7	775.1	837.3	949.0	1172.5
130°	571.5	544.1	516.6	544.1	571.5	578.4	663.2	776.3	832.9	932.3	1131.3
132.5°	588.7	561.2	533.7	561.2	588.7	595.6	673.4	777.1	829.0	918.1	1096.1
135°	609.1	584.1	559.1	584.1	609.1	615.4	684.4	776.4	822.4	897.0	1046.2
137.5°	634.7	609.8	585.0	609.8	634.7	640.8	701.0	781.2	821.3	884.3	1010.4
140°	652.1	629.4	606.5	629.4	652.1	657.9	711.1	781.9	817.4	871.8	980.8
142.5°	665.4	644.2	623.1	644.2	665.4	670.6	719.5	784.8	817.4	865.2	960.9
145°	685.3	666.9	648.5	666.9	685.3	689.9	730.6	784.8	811.9	851.0	929.3
147.5°	709.7	691.8	673.9	691.8	709.7	714.2	746.8	790.2	811.9	842.7	904.3
150°	722.8	706.6	690.4	706.6	722.8	726.9	755.2	793.0	811.9	837.9	889.9
152.5°	732.1	719.8	707.6	719.8	732.1	735.2	760.8	794.9	811.9	834.2	878.5
155°	751.1	742.0	732.9	742.0	751.1	753.4	772.9	798.9	811.9	829.6	864.9
157.5°	769.3	760.6	751.8	760.6	769.3	771.6	785.1	803.0	811.9	825.7	853.1
160°	778.2	771.3	764.4	771.3	778.2	779.9	790.6	804.8	811.9	823.7	847.2
162.5°	787.5	782.3	777.1	782.3	787.5	788.7	796.5	806.7	811.9	821.8	841.7
165°	800.2	795.6	791.0	795.6	800.2	801.4	804.9	809.6	811.9	819.1	833.3
167.5°	808.0	805.8	803.6	805.8	808.0	808.5	811.5	815.4	817.4	822.0	831.4
170°	816.3	814.1	811.9	814.1	816.3	816.8	817.0	817.3	817.4	822.0	831.4
172.5°	817.3	816.7	816.3	816.7	817.3	817.4	817.4	817.4	817.4	821.0	828.4
175°	822.4	822.4	822.4	822.4	822.4	822.4	820.7	818.4	817.4	819.7	824.4
177.5°	822.4	822.4	822.4	822.4	822.4	822.4	821.1	819.4	818.5	820.4	824.1
180°	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4



TEST NUMBER: P934427

CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-12-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7	3739.7
2.5°	3608.9	3598.2	3612.3	3573.4	3612.3	3598.2	3608.9	3633.6	3612.3	3626.5	3640.7
5°	3166.6	3148.9	3092.3	3046.3	3092.3	3148.9	3166.6	3240.9	3276.3	3339.9	3424.9
7.5°	2830.5	2816.3	2802.2	2773.8	2802.2	2816.3	2830.5	2851.7	2887.1	2943.7	3007.4
10°	2756.1	2759.7	2781.0	2777.4	2781.0	2759.7	2756.1	2749.1	2738.5	2749.1	2788.0
12.5°	2947.3	2979.0	3095.8	3088.7	3095.8	2979.0	2947.3	2805.7	2710.2	2692.5	2699.6
15°	3166.6	3177.2	3202.0	3205.5	3202.0	3177.2	3166.6	3110.0	2823.4	2699.6	2660.6
17.5°	3187.8	3191.4	3209.1	3209.1	3209.1	3191.4	3187.8	3163.1	3067.5	2901.2	2681.9
20°	3170.1	3177.2	3212.5	3219.7	3212.5	3177.2	3170.1	3138.3	3085.3	3025.1	2858.8
22.5°	3163.1	3177.2	3205.5	3202.0	3205.5	3177.2	3163.1	3113.5	3067.5	3025.1	2957.9
25°	3127.7	3127.7	3131.2	3134.7	3131.2	3127.7	3127.7	3088.7	2996.8	2986.2	2947.3
27.5°	3053.4	3060.4	3081.7	3078.1	3081.7	3060.4	3053.4	3039.2	2940.1	2929.6	2901.2
30°	2986.2	2979.0	2961.4	2947.3	2961.4	2979.0	2986.2	2964.9	2865.8	2837.5	2844.6
32.5°	2872.9	2855.2	2837.5	2826.9	2837.5	2855.2	2872.9	2865.8	2791.6	2752.7	2759.7
35°	2738.5	2742.0	2738.5	2727.8	2738.5	2742.0	2738.5	2745.5	2699.6	2664.2	2660.6
37.5°	2643.0	2650.0	2646.5	2632.3	2646.5	2650.0	2643.0	2635.9	2572.2	2561.6	2568.7
40°	2543.9	2547.4	2543.9	2533.3	2543.9	2547.4	2543.9	2529.8	2441.3	2444.8	2469.6
42.5°	2448.4	2444.8	2434.2	2427.1	2434.2	2444.8	2448.4	2427.1	2313.9	2303.3	2349.3
45°	2338.7	2342.2	2321.0	2310.4	2321.0	2342.2	2338.7	2324.6	2207.8	2179.4	2211.3
47.5°	2229.0	2229.0	2211.3	2200.7	2211.3	2229.0	2229.0	2211.3	2087.5	2059.2	2076.9
50°	2112.2	2108.7	2083.9	2080.4	2083.9	2108.7	2112.2	2101.6	1970.7	1945.9	1945.9
52.5°	1977.8	1977.8	1981.3	1988.4	1981.3	1977.8	1977.8	1981.3	1864.6	1839.8	1832.7
55°	1861.0	1864.6	1889.3	1896.4	1889.3	1864.6	1861.0	1861.0	1754.9	1730.2	1716.0
57.5°	1740.7	1740.7	1758.5	1758.5	1758.5	1740.7	1740.7	1733.6	1631.1	1609.8	1602.8
60°	1602.8	1609.8	1623.9	1620.5	1623.9	1609.8	1602.8	1595.6	1507.2	1493.1	1468.3
62.5°	1457.6	1464.8	1468.3	1461.2	1468.3	1464.8	1457.6	1436.5	1383.4	1372.8	1340.9
65°	1305.5	1312.6	1316.2	1309.1	1316.2	1312.6	1305.5	1294.9	1256.0	1238.3	1210.0
67.5°	1149.9	1146.3	1142.8	1156.9	1142.8	1146.3	1149.9	1135.8	1111.0	1096.8	1057.8
70°	990.6	990.6	987.1	994.2	987.1	990.6	990.6	980.0	965.9	955.3	919.9
72.5°	820.9	817.3	831.5	820.9	831.5	817.3	820.9	817.3	810.2	799.6	764.3
75°	654.6	661.6	654.6	665.2	654.6	661.6	654.6	658.0	654.6	647.5	622.7
77.5°	498.9	505.9	498.9	498.9	498.9	505.9	498.9	502.4	502.4	502.4	481.2
80°	353.8	350.3	350.3	346.7	350.3	350.3	353.8	353.8	357.3	350.3	343.2
82.5°	226.5	222.9	222.9	229.9	222.9	222.9	226.5	229.9	222.9	222.9	222.9
85°	123.8	127.4	120.3	120.3	120.3	127.4	123.8	116.8	123.8	123.8	120.3
87.5°	46.0	42.5	42.5	42.5	42.5	42.5	46.0	49.5	49.5	49.5	53.1
90°	21.0	21.0	21.0	21.0	21.0	21.0	21.0	27.9	37.3	42.0	36.1
92.5°	104.9	100.7	84.0	67.3	84.0	100.7	104.9	148.6	207.0	236.2	207.4
95°	356.0	343.3	292.8	242.3	292.8	343.3	356.0	467.5	616.1	690.4	583.1
97.5°	821.8	797.8	701.6	605.5	701.6	797.8	821.8	892.3	986.3	1033.2	854.2
100°	1154.1	1125.4	1010.9	896.4	1010.9	1125.4	1154.1	1148.9	1142.0	1138.6	940.0
102.5°	1437.7	1413.2	1315.1	1217.0	1315.1	1413.2	1437.7	1347.9	1228.2	1168.4	967.1
105°	1768.9	1755.7	1703.0	1650.3	1703.0	1755.7	1768.9	1567.6	1299.3	1165.1	970.1
107.5°	1941.2	1944.4	1957.1	1969.8	1957.1	1944.4	1941.2	1660.5	1286.1	1098.9	927.0
110°	1985.3	1999.0	2053.9	2108.9	2053.9	1999.0	1985.3	1671.4	1253.0	1043.7	888.7



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1957.2	1978.2	2062.7	2147.0	2062.7	1978.2	1957.2	1635.9	1207.6	993.5	855.2
115°	1861.6	1890.9	2007.9	2125.0	2007.9	1890.9	1861.6	1552.2	1139.6	933.3	816.9
117.5°	1729.7	1762.1	1891.9	2021.7	1891.9	1762.1	1729.7	1450.4	1078.1	891.9	792.9
120°	1640.9	1672.4	1798.5	1924.6	1798.5	1672.4	1640.9	1385.7	1045.5	875.4	784.9
122.5°	1552.0	1583.1	1707.5	1831.8	1707.5	1583.1	1552.0	1322.2	1015.8	862.6	780.6
125°	1434.4	1463.1	1577.6	1692.2	1577.6	1463.1	1434.4	1239.2	979.0	848.9	777.1
127.5°	1340.1	1364.3	1460.9	1557.5	1460.9	1364.3	1340.1	1172.5	949.0	837.3	775.1
130°	1280.5	1302.8	1392.1	1481.4	1392.1	1302.8	1280.5	1131.3	932.3	832.9	776.3
132.5°	1229.7	1249.7	1329.6	1409.6	1329.6	1249.7	1229.7	1096.1	918.1	829.0	777.1
135°	1158.0	1175.2	1244.1	1313.0	1244.1	1175.2	1158.0	1046.2	897.0	822.4	776.4
137.5°	1105.0	1119.1	1175.5	1231.9	1175.5	1119.1	1105.0	1010.4	884.3	821.3	781.2
140°	1062.5	1075.7	1128.4	1181.1	1128.4	1075.7	1062.5	980.8	871.8	817.4	781.9
142.5°	1032.7	1044.0	1089.4	1134.8	1089.4	1044.0	1032.7	960.9	865.2	817.4	784.8
145°	988.0	996.5	1030.9	1065.3	1030.9	996.5	988.0	929.3	851.0	811.9	784.8
147.5°	950.5	957.6	986.0	1014.5	986.0	957.6	950.5	904.3	842.7	811.9	790.2
150°	928.9	934.7	957.7	980.8	957.7	934.7	928.9	889.9	837.9	811.9	793.0
152.5°	911.8	916.2	933.6	951.0	933.6	916.2	911.8	878.5	834.2	811.9	794.9
155°	891.4	894.2	905.8	917.3	905.8	894.2	891.4	864.9	829.6	811.9	798.9
157.5°	873.7	875.7	883.8	891.9	883.8	875.7	873.7	853.1	825.7	811.9	803.0
160°	864.9	866.0	870.8	875.4	870.8	866.0	864.9	847.2	823.7	811.9	804.8
162.5°	856.6	857.6	862.1	866.6	862.1	857.6	856.6	841.7	821.8	811.9	806.7
165°	843.9	845.0	849.8	854.4	849.8	845.0	843.9	833.3	819.1	811.9	809.6
167.5°	838.3	838.9	840.8	842.8	840.8	838.9	838.3	831.4	822.0	817.4	815.4
170°	838.3	838.3	838.3	838.3	838.3	838.3	838.3	831.4	822.0	817.4	817.3
172.5°	834.0	833.5	831.8	830.1	831.8	833.5	834.0	828.4	821.0	817.4	817.4
175°	827.9	827.9	827.9	827.9	827.9	827.9	827.9	824.4	819.7	817.4	818.4
177.5°	826.8	826.3	824.3	822.4	824.3	826.3	826.8	824.1	820.4	818.5	819.4
180°	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4	822.4



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3739.7	3739.7	3739.7	3739.7	3739.7
2.5°	3693.8	3711.4	3722.0	3736.2	3771.6
5°	3552.3	3619.5	3640.7	3693.8	3757.5
7.5°	3240.9	3446.1	3502.7	3630.1	3729.1
10°	2940.1	3145.3	3244.4	3545.1	3693.8
12.5°	2788.0	2908.3	2975.5	3396.6	3644.2
15°	2692.5	2777.4	2826.9	3198.4	3587.6
17.5°	2618.1	2678.3	2713.7	3003.8	3509.8
20°	2572.2	2600.5	2632.3	2862.3	3421.3
22.5°	2540.3	2522.6	2547.4	2763.3	3301.0
25°	2519.2	2451.9	2480.2	2685.4	3159.5
27.5°	2536.8	2388.2	2398.8	2614.7	3010.9
30°	2540.3	2310.4	2313.9	2540.3	2844.6
32.5°	2515.6	2229.0	2232.5	2448.4	2657.1
35°	2455.4	2133.5	2130.0	2342.2	2402.4
37.5°	2374.0	2030.9	2030.9	2225.5	2122.8
40°	2275.0	1928.2	1938.9	2073.3	1875.2
42.5°	2154.7	1818.5	1832.7	1871.6	1691.2
45°	2023.7	1712.4	1723.0	1581.5	1549.7
47.5°	1878.7	1602.8	1606.3	1312.6	1503.7
50°	1705.4	1489.5	1475.4	1125.1	1500.1
52.5°	1553.2	1365.7	1323.2	1018.9	1362.1
55°	1404.6	1234.8	1142.8	937.6	1263.1
57.5°	1273.7	1065.0	976.5	842.1	1241.9
60°	1153.4	898.7	831.5	739.4	1139.3
62.5°	1054.4	774.9	760.7	668.7	1033.1
65°	948.2	689.9	686.4	608.6	877.4
67.5°	845.6	633.3	629.7	551.9	668.7
70°	736.0	573.2	566.1	491.8	495.3
72.5°	622.7	505.9	498.9	442.3	410.4
75°	509.5	428.1	424.5	385.6	332.6
77.5°	399.8	339.6	346.7	311.3	244.1
80°	286.6	247.7	254.8	222.9	184.0
82.5°	191.0	162.7	169.9	141.5	123.8
85°	106.1	92.0	95.5	74.3	56.6
87.5°	49.5	42.5	42.5	28.3	17.7
90°	24.3	15.4	14.4	9.9	5.5
92.5°	149.7	106.5	97.1	59.5	22.0
95°	368.5	207.5	190.4	121.7	53.0
97.5°	496.4	228.0	212.8	152.2	91.6
100°	542.9	245.0	231.3	176.4	121.4
102.5°	564.2	262.2	249.3	198.1	146.8
105°	580.0	287.5	276.6	233.2	189.9
107.5°	583.1	325.1	315.0	274.5	234.0
110°	578.6	346.1	337.0	300.4	263.9



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	578.8	371.4	362.7	327.9	293.0
115°	584.1	409.5	401.5	369.4	337.2
117.5°	594.9	446.5	439.2	410.0	380.8
120°	603.8	468.0	461.1	433.7	406.2
122.5°	616.5	493.4	486.5	458.8	431.0
125°	633.7	526.0	519.7	494.4	469.2
127.5°	650.7	557.4	551.1	525.6	500.0
130°	663.2	578.4	571.5	544.1	516.6
132.5°	673.4	595.6	588.7	561.2	533.7
135°	684.4	615.4	609.1	584.1	559.1
137.5°	701.0	640.8	634.7	609.8	585.0
140°	711.1	657.9	652.1	629.4	606.5
142.5°	719.5	670.6	665.4	644.2	623.1
145°	730.6	689.9	685.3	666.9	648.5
147.5°	746.8	714.2	709.7	691.8	673.9
150°	755.2	726.9	722.8	706.6	690.4
152.5°	760.8	735.2	732.1	719.8	707.6
155°	772.9	753.4	751.1	742.0	732.9
157.5°	785.1	771.6	769.3	760.6	751.8
160°	790.6	779.9	778.2	771.3	764.4
162.5°	796.5	788.7	787.5	782.3	777.1
165°	804.9	801.4	800.2	795.6	791.0
167.5°	811.5	808.5	808.0	805.8	803.6
170°	817.0	816.8	816.3	814.1	811.9
172.5°	817.4	817.4	817.3	816.7	816.3
175°	820.7	822.4	822.4	822.4	822.4
177.5°	821.1	822.4	822.4	822.4	822.4
180°	822.4	822.4	822.4	822.4	822.4



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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	14.56	15.57	15.38	16.41	17.46	17.41	18.42	18.23	19.27	20.31
	3H	15.05	15.95	15.88	16.81	17.88	18.78	19.68	19.61	20.53	21.61
	4H	15.25	16.10	16.10	16.96	18.05	19.23	20.09	20.08	20.95	22.03
	6H	15.37	16.16	16.24	17.03	18.13	19.53	20.32	20.39	21.19	22.28
	8H	15.38	16.13	16.25	17.02	18.11	19.61	20.36	20.48	21.25	22.35
	12H	15.35	16.07	16.23	16.95	18.08	19.66	20.37	20.54	21.25	22.38
4H	2H	15.62	16.47	16.47	17.33	18.42	17.84	18.69	18.69	19.55	20.64
	3H	16.66	17.37	17.52	18.26	19.36	19.36	20.08	20.23	20.97	22.07
	4H	16.94	17.59	17.82	18.48	19.61	19.90	20.55	20.78	21.44	22.57
	6H	17.07	17.63	17.97	18.55	19.68	20.28	20.84	21.18	21.76	22.89
	8H	17.08	17.61	17.98	18.51	19.66	20.40	20.92	21.29	21.83	22.97
	12H	17.06	17.53	17.97	18.46	19.60	20.46	20.93	21.38	21.86	23.01
8H	4H	17.41	17.93	18.31	18.84	19.98	20.04	20.56	20.94	21.47	22.61
	6H	17.68	18.11	18.60	19.06	20.20	20.49	20.92	21.41	21.87	23.01
	8H	17.72	18.10	18.65	19.05	20.21	20.64	21.03	21.58	21.97	23.13
	12H	17.71	18.05	18.65	18.98	20.19	20.75	21.09	21.69	22.03	23.24
12H	4H	17.42	17.89	18.34	18.82	19.97	20.01	20.48	20.93	21.41	22.56
	6H	17.74	18.12	18.67	19.07	20.23	20.48	20.87	21.42	21.81	22.97
	8H	17.81	18.15	18.75	19.09	20.30	20.66	20.99	21.59	21.93	23.14