

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: P934965

Luminaire Tested: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-8-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934965
REPORT IS A COMBINATION OF REPORTS P933720 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-8-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

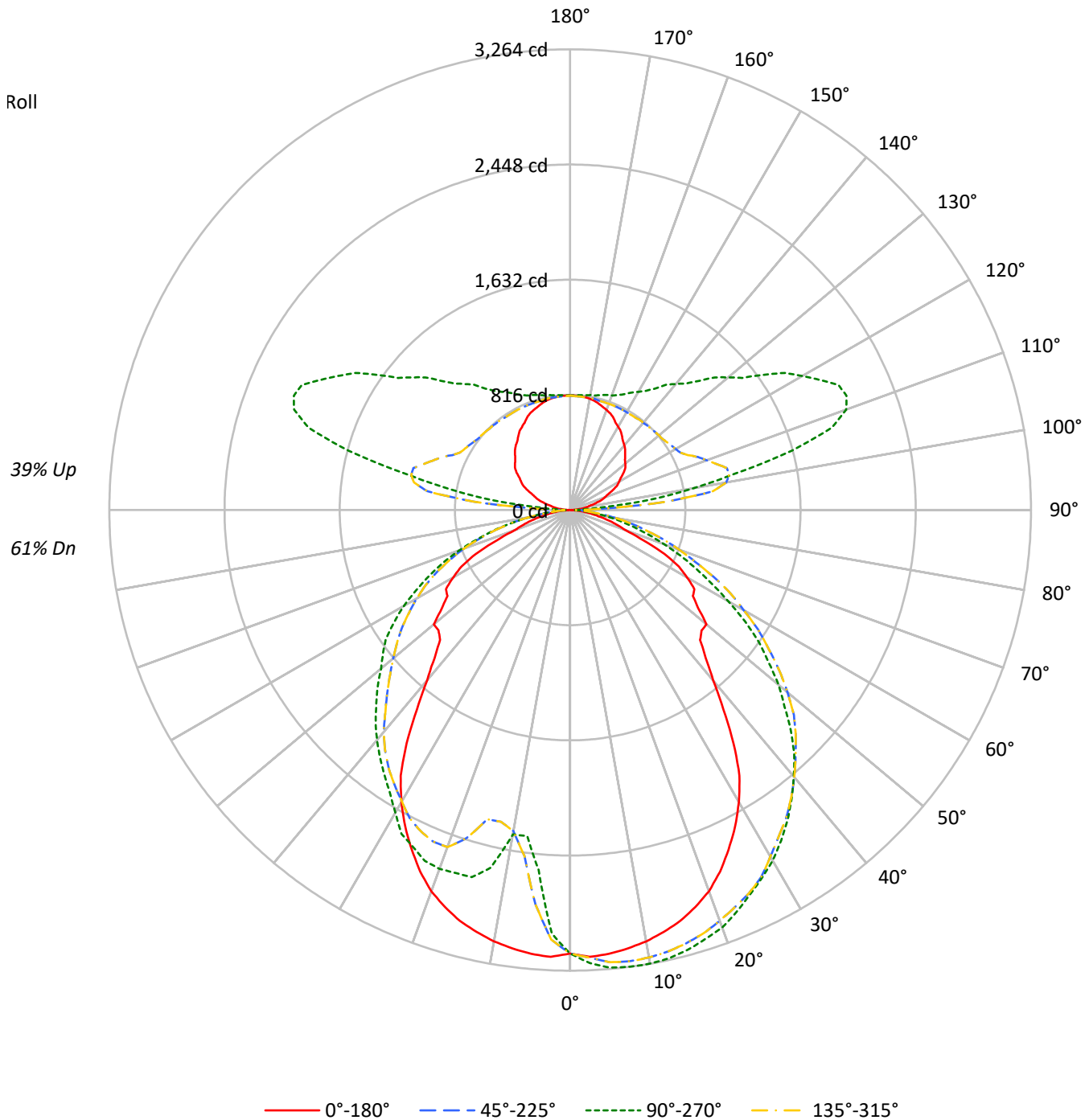
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13409.0 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 124
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	0
RCR																		
0	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	61
1	100	96	92	88	94	90	86	83	79	76	74	68	66	65	59	57	56	51
2	91	84	78	72	85	79	73	68	69	65	61	60	57	54	52	49	47	43
3	83	74	66	60	78	69	63	57	61	56	51	53	49	46	46	43	40	36
4	76	65	57	51	71	61	54	49	54	48	44	47	43	39	41	37	35	31
5	70	58	50	44	65	55	47	42	48	42	38	42	38	34	37	33	30	27
6	65	52	44	38	60	49	42	36	44	37	33	38	33	30	33	29	26	24
7	60	47	39	33	56	45	37	32	39	33	29	35	30	26	30	26	23	21
8	55	43	35	29	52	40	33	28	36	30	26	32	27	23	28	24	21	19
9	52	39	31	26	48	37	30	25	33	27	23	29	24	21	26	22	19	17
10	48	36	29	24	45	34	27	23	30	25	21	27	22	19	24	20	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14577	14577	14577	14577
5°	14686	14715	14686	11570
10°	14588	14495	14588	10363
15°	14429	14180	14429	11841
20°	14127	13808	14127	11866
25°	13510	13266	13510	11615
30°	12712	12816	12712	11062
35°	11332	12246	11332	10456
40°	9443	11575	9443	9997
45°	8437	10790	8437	9470
50°	8963	9853	8963	8941
55°	8433	8845	8433	8635
60°	8693	7512	8693	7909
65°	7882	6210	7882	6941
70°	5457	4949	5457	5819
75°	4785	3657	4785	4380
80°	3857	2418	3857	2633
85°	2212	1281	2212	1089

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 12931 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.6	2.1
10°-20°	805.2	6.0
20°-30°	1244.8	9.3
30°-40°	1486.0	11.1
40°-50°	1494.7	11.1
50°-60°	1300.5	9.7
60°-70°	922.1	6.9
70°-80°	487.9	3.6
80°-90°	124.6	0.9
90°-100°	395.5	2.9
100°-110°	1039.8	7.8
110°-120°	1078.1	8.0
120°-130°	864.8	6.4
130°-140°	678.6	5.1
140°-150°	520.8	3.9
150°-160°	375.1	2.8
160°-170°	229.5	1.7
170°-180°	77.5	0.6
0°-30°	2333.6	17.4
0°-40°	3819.6	28.5
0°-60°	6614.8	49.3
0°-90°	8149.4	60.8
90°-120°	2513.4	18.7
90°-150°	4577.6	34.1
90°-180°	5260.0	39.2
0°-180°	13409.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3142	3142	3142	3142	3142	
5°	3157	3255	3157	2559	3157	299
15°	3014	3225	3014	2693	3014	848
25°	2654	3008	2654	2634	2654	1219
35°	2018	2684	2018	2292	2018	1249
45°	1302	2212	1302	1941	1302	1043
55°	1061	1632	1061	1593	1061	975
65°	737	984	737	1100	737	705
75°	279	467	279	559	279	294
85°	48	119	48	101	48	64
90°	5	21	5	21	5	6
95°	52	239	52	239	52	58
105°	187	1628	187	1628	187	199
115°	333	2096	333	2096	333	329
125°	463	1670	463	1670	463	411
135°	552	1295	552	1295	552	427
145°	640	1051	640	1051	640	401
155°	723	905	723	905	723	332
165°	780	843	780	843	780	220
175°	811	817	811	817	811	77
180°	811	811	811	811	811	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9
2.5°	3168.6	3168.6	3186.4	3192.4	3192.4	3183.5	3174.5	3183.5	3210.2	3219.1	3216.2
5°	3156.7	3180.5	3213.2	3219.1	3225.0	3222.1	3216.2	3222.1	3251.8	3257.8	3260.8
7.5°	3132.9	3177.5	3219.1	3228.0	3237.0	3228.0	3225.0	3231.0	3260.8	3266.7	3266.7
10°	3103.2	3165.7	3213.2	3219.1	3228.0	3219.1	3219.1	3231.0	3260.8	3266.7	3269.7
12.5°	3061.6	3147.7	3192.4	3198.3	3210.2	3207.2	3204.3	3216.2	3245.8	3251.8	3251.8
15°	3014.1	3115.1	3156.7	3162.7	3183.5	3177.5	3177.5	3189.4	3222.1	3231.0	3228.0
17.5°	2948.6	3073.4	3121.0	3129.9	3144.8	3141.9	3144.8	3156.7	3186.4	3192.4	3195.3
20°	2874.3	3017.0	3073.4	3082.4	3097.2	3097.2	3097.2	3112.1	3141.9	3153.7	3153.7
22.5°	2773.2	2957.6	3017.0	3022.9	3040.8	3040.8	3046.7	3067.6	3094.3	3097.2	3097.2
25°	2654.4	2892.2	2942.7	2960.5	2978.3	2987.3	2996.2	3008.1	3017.0	3014.1	3017.0
27.5°	2529.5	2808.9	2874.3	2886.2	2910.0	2918.9	2930.8	2933.8	2936.8	2945.6	2939.7
30°	2389.9	2693.0	2791.1	2803.0	2841.7	2847.5	2835.7	2841.7	2856.5	2862.5	2868.4
32.5°	2232.3	2520.6	2704.9	2731.7	2767.4	2749.5	2746.5	2755.4	2779.2	2779.2	2785.2
35°	2018.2	2386.9	2624.6	2648.4	2675.1	2654.4	2666.3	2669.2	2684.1	2693.0	2690.1
37.5°	1783.5	2270.9	2541.5	2559.3	2580.1	2553.3	2571.1	2580.1	2592.0	2586.0	2586.0
40°	1575.4	2089.6	2443.3	2455.2	2473.0	2452.2	2470.0	2476.0	2482.0	2476.0	2473.0
42.5°	1420.8	1890.5	2339.3	2354.1	2342.3	2357.1	2363.1	2374.9	2366.1	2354.1	2354.1
45°	1301.9	1837.0	2226.3	2244.1	2226.3	2250.1	2259.1	2259.1	2232.3	2226.3	2223.3
47.5°	1263.3	1729.9	2113.4	2113.4	2104.5	2134.2	2149.0	2128.2	2101.5	2092.6	2092.6
50°	1260.3	1611.1	1958.8	1946.9	1988.6	2024.2	2009.4	1988.6	1967.7	1935.1	1935.1
52.5°	1144.3	1465.4	1759.7	1804.3	1869.6	1890.5	1866.7	1845.8	1810.2	1795.3	1783.5
55°	1061.2	1313.9	1578.4	1667.5	1735.9	1762.7	1718.0	1697.2	1643.7	1634.9	1628.9
57.5°	1043.3	1093.8	1411.9	1524.8	1608.1	1605.1	1578.4	1539.7	1495.1	1486.2	1483.3
60°	957.1	790.6	1233.6	1367.3	1453.5	1444.6	1420.8	1385.2	1343.5	1337.6	1331.7
62.5°	867.9	573.7	1031.4	1183.0	1304.9	1301.9	1281.1	1227.6	1197.9	1183.0	1171.1
65°	737.2	481.6	734.2	983.9	1159.3	1165.2	1120.6	1082.0	1049.2	1031.4	1028.5
67.5°	561.8	392.3	496.4	820.4	1019.5	1013.6	957.1	939.3	897.7	888.8	870.9
70°	416.1	261.6	344.8	665.8	882.8	867.9	823.3	802.6	763.9	743.1	731.2
72.5°	344.8	211.1	252.7	517.2	743.1	725.3	686.7	662.9	630.2	612.4	600.4
75°	279.4	222.9	193.2	383.5	603.4	591.5	555.9	532.1	505.3	481.6	484.5
77.5°	205.1	208.1	154.6	282.4	478.6	460.8	439.9	410.2	398.3	374.5	374.5
80°	154.6	163.5	115.9	193.2	344.8	344.8	327.0	306.2	285.4	273.5	273.5
82.5°	104.0	104.0	86.2	121.9	234.9	225.9	214.0	208.1	196.2	190.2	190.2
85°	47.5	59.5	53.5	74.3	127.8	133.8	133.8	127.8	124.8	118.9	121.9
87.5°	14.8	26.8	32.7	41.6	65.4	68.3	71.3	71.3	71.3	74.3	74.3
90°	5.4	9.8	14.2	15.3	24.0	35.6	41.4	36.8	27.6	20.7	20.7
92.5°	21.8	58.8	95.9	105.1	147.8	204.6	233.1	204.3	146.7	103.5	99.3
95°	52.3	120.1	187.8	204.7	363.5	575.3	681.2	607.9	461.2	351.2	338.8
97.5°	90.4	150.2	210.0	224.9	489.7	842.8	1019.4	973.0	880.3	810.8	787.1
100°	119.8	174.0	228.3	241.8	535.7	927.5	1123.3	1126.8	1133.5	1138.6	1110.3
102.5°	144.8	195.4	246.0	258.7	556.7	954.1	1152.8	1211.8	1329.9	1418.5	1394.3
105°	187.3	230.2	273.0	283.7	572.3	957.1	1149.5	1281.9	1546.6	1745.2	1732.2
107.5°	230.9	270.9	310.7	320.8	575.2	914.5	1084.2	1268.8	1638.1	1915.1	1918.3
110°	260.3	296.3	332.3	341.4	570.8	876.7	1029.7	1236.1	1649.0	1958.7	1972.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	289.1	323.5	357.8	366.4	571.0	843.8	980.2	1191.5	1614.1	1930.9	1951.8
115°	332.7	364.4	396.1	404.0	576.3	805.9	920.8	1124.3	1531.4	1836.7	1865.6
117.5°	375.7	404.5	433.4	440.6	587.1	782.3	880.0	1063.6	1431.0	1706.5	1738.5
120°	400.8	427.8	455.0	461.7	595.7	774.3	863.6	1031.5	1367.2	1618.9	1650.0
122.5°	425.3	452.7	480.0	486.8	608.2	770.1	851.1	1002.2	1304.5	1531.2	1561.9
125°	462.9	487.8	512.7	518.9	625.1	766.7	837.5	965.9	1222.6	1415.2	1443.5
127.5°	493.3	518.5	543.7	550.0	642.0	764.7	826.0	936.3	1156.7	1322.1	1345.9
130°	509.7	536.7	563.9	570.6	654.3	766.0	821.7	919.8	1116.1	1263.3	1285.4
132.5°	526.5	553.7	580.8	587.6	664.3	766.7	817.9	905.7	1081.5	1213.2	1233.0
135°	551.6	576.3	601.0	607.2	675.2	766.0	811.4	885.0	1032.1	1142.4	1159.4
137.5°	577.2	601.6	626.1	632.2	691.6	770.7	810.2	872.4	996.9	1090.1	1104.0
140°	598.5	621.0	643.4	649.1	701.5	771.5	806.5	860.2	967.6	1048.3	1061.3
142.5°	614.8	635.6	656.4	661.6	709.9	774.3	806.5	853.6	948.0	1018.8	1030.0
145°	639.8	658.0	676.1	680.7	720.8	774.3	801.0	839.7	916.9	974.7	983.2
147.5°	664.9	682.5	700.3	704.7	736.8	779.6	801.0	831.4	892.1	937.7	944.7
150°	681.2	697.2	713.2	717.1	745.1	782.4	801.0	826.7	877.9	916.4	922.1
152.5°	698.1	710.2	722.3	725.3	750.5	784.1	801.0	822.9	866.7	899.6	903.9
155°	723.1	732.1	741.0	743.3	762.5	788.2	801.0	818.4	853.3	879.4	882.3
157.5°	741.6	750.3	759.0	761.2	774.5	792.1	801.0	814.5	841.7	862.0	864.0
160°	754.2	761.0	767.7	769.4	779.9	794.0	801.0	812.6	835.9	853.3	854.4
162.5°	766.7	771.8	776.9	778.2	785.8	795.9	801.0	810.8	830.4	845.1	846.2
165°	780.3	784.8	789.5	790.6	794.1	798.7	801.0	808.0	822.1	832.6	833.8
167.5°	792.8	795.0	797.2	797.8	800.7	804.5	806.5	811.0	820.2	827.2	827.6
170°	801.0	803.2	805.4	805.9	806.1	806.4	806.5	811.0	820.2	827.2	827.2
172.5°	805.4	805.8	806.4	806.5	806.5	806.5	806.5	810.1	817.3	822.8	822.4
175°	811.4	811.4	811.4	811.4	809.7	807.5	806.5	808.7	813.4	816.8	816.8
177.5°	811.4	811.4	811.4	811.4	810.1	808.4	807.5	809.4	813.0	815.7	815.2
180°	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9
2.5°	3222.1	3213.2	3222.1	3216.2	3219.1	3210.2	3183.5	3174.5	3183.5	3192.4	3192.4
5°	3260.8	3254.8	3260.8	3260.8	3257.8	3251.8	3222.1	3216.2	3222.1	3225.0	3219.1
7.5°	3272.6	3263.7	3272.6	3266.7	3266.7	3260.8	3231.0	3225.0	3228.0	3237.0	3228.0
10°	3272.6	3263.7	3272.6	3269.7	3266.7	3260.8	3231.0	3219.1	3219.1	3228.0	3219.1
12.5°	3257.8	3251.8	3257.8	3251.8	3251.8	3245.8	3216.2	3204.3	3207.2	3210.2	3198.3
15°	3234.0	3225.0	3234.0	3228.0	3231.0	3222.1	3189.4	3177.5	3177.5	3183.5	3162.7
17.5°	3198.3	3186.4	3198.3	3195.3	3192.4	3186.4	3156.7	3144.8	3141.9	3144.8	3129.9
20°	3156.7	3147.7	3156.7	3153.7	3153.7	3141.9	3112.1	3097.2	3097.2	3097.2	3082.4
22.5°	3091.3	3082.4	3091.3	3097.2	3097.2	3094.3	3067.6	3046.7	3040.8	3040.8	3022.9
25°	3017.0	3008.1	3017.0	3017.0	3014.1	3017.0	3008.1	2996.2	2987.3	2978.3	2960.5
27.5°	2945.6	2939.7	2945.6	2939.7	2945.6	2936.8	2933.8	2930.8	2918.9	2910.0	2886.2
30°	2874.3	2868.4	2874.3	2868.4	2862.5	2856.5	2841.7	2835.7	2847.5	2841.7	2803.0
32.5°	2785.2	2779.2	2785.2	2785.2	2779.2	2779.2	2755.4	2746.5	2749.5	2767.4	2731.7
35°	2693.0	2684.1	2693.0	2690.1	2693.0	2684.1	2669.2	2666.3	2654.4	2675.1	2648.4
37.5°	2586.0	2577.1	2586.0	2586.0	2586.0	2592.0	2580.1	2571.1	2553.3	2580.1	2559.3
40°	2476.0	2464.2	2476.0	2473.0	2476.0	2482.0	2476.0	2470.0	2452.2	2473.0	2455.2
42.5°	2351.2	2348.2	2351.2	2354.1	2354.1	2366.1	2374.9	2363.1	2357.1	2342.3	2354.1
45°	2217.4	2211.5	2217.4	2223.3	2226.3	2232.3	2259.1	2259.1	2250.1	2226.3	2244.1
47.5°	2074.7	2059.9	2074.7	2092.6	2092.6	2101.5	2128.2	2149.0	2134.2	2104.5	2113.4
50°	1923.1	1926.1	1923.1	1935.1	1935.1	1967.7	1988.6	2009.4	2024.2	1988.6	1946.9
52.5°	1774.5	1771.5	1774.5	1783.5	1795.3	1810.2	1845.8	1866.7	1890.5	1869.6	1804.3
55°	1625.9	1631.9	1625.9	1628.9	1634.9	1643.7	1697.2	1718.0	1762.7	1735.9	1667.5
57.5°	1477.3	1468.3	1477.3	1483.3	1486.2	1495.1	1539.7	1578.4	1605.1	1608.1	1524.8
60°	1304.9	1293.0	1304.9	1331.7	1337.6	1343.5	1385.2	1420.8	1444.6	1453.5	1367.3
62.5°	1153.3	1132.5	1153.3	1171.1	1183.0	1197.9	1227.6	1281.1	1301.9	1304.9	1183.0
65°	992.7	983.9	992.7	1028.5	1031.4	1049.2	1082.0	1120.6	1165.2	1159.3	983.9
67.5°	847.1	847.1	847.1	870.9	888.8	897.7	939.3	957.1	1013.6	1019.5	820.4
70°	713.4	710.4	713.4	731.2	743.1	763.9	802.6	823.3	867.9	882.8	665.8
72.5°	585.6	582.6	585.6	600.4	612.4	630.2	662.9	686.7	725.3	743.1	517.2
75°	472.6	466.6	472.6	484.5	481.6	505.3	532.1	555.9	591.5	603.4	383.5
77.5°	362.7	362.7	362.7	374.5	374.5	398.3	410.2	439.9	460.8	478.6	282.4
80°	270.5	267.5	270.5	273.5	273.5	285.4	306.2	327.0	344.8	344.8	193.2
82.5°	190.2	184.3	190.2	190.2	190.2	196.2	208.1	214.0	225.9	234.9	121.9
85°	118.9	118.9	118.9	121.9	118.9	124.8	127.8	133.8	133.8	127.8	74.3
87.5°	77.3	74.3	77.3	74.3	74.3	71.3	71.3	71.3	68.3	65.4	41.6
90°	20.7	20.7	20.7	20.7	20.7	27.6	36.8	41.4	35.6	24.0	15.3
92.5°	82.9	66.4	82.9	99.3	103.5	146.7	204.3	233.1	204.6	147.8	105.1
95°	289.0	239.1	289.0	338.8	351.2	461.2	607.9	681.2	575.3	363.5	204.7
97.5°	692.2	597.3	692.2	787.1	810.8	880.3	973.0	1019.4	842.8	489.7	224.9
100°	997.4	884.4	997.4	1110.3	1138.6	1133.5	1126.8	1123.3	927.5	535.7	241.8
102.5°	1297.5	1200.7	1297.5	1394.3	1418.5	1329.9	1211.8	1152.8	954.1	556.7	258.7
105°	1680.1	1628.1	1680.1	1732.2	1745.2	1546.6	1281.9	1149.5	957.1	572.3	283.7
107.5°	1930.9	1943.4	1930.9	1918.3	1915.1	1638.1	1268.8	1084.2	914.5	575.2	320.8
110°	2026.5	2080.7	2026.5	1972.2	1958.7	1649.0	1236.1	1029.7	876.7	570.8	341.4



TEST NUMBER: P934965

CATALOG NUMBER: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2034.9	2118.2	2034.9	1951.8	1930.9	1614.1	1191.5	980.2	843.8	571.0	366.4
115°	1981.0	2096.4	1981.0	1865.6	1836.7	1531.4	1124.3	920.8	805.9	576.3	404.0
117.5°	1866.6	1994.6	1866.6	1738.5	1706.5	1431.0	1063.6	880.0	782.3	587.1	440.6
120°	1774.4	1898.8	1774.4	1650.0	1618.9	1367.2	1031.5	863.6	774.3	595.7	461.7
122.5°	1684.6	1807.3	1684.6	1561.9	1531.2	1304.5	1002.2	851.1	770.1	608.2	486.8
125°	1556.5	1669.6	1556.5	1443.5	1415.2	1222.6	965.9	837.5	766.7	625.1	518.9
127.5°	1441.3	1536.7	1441.3	1345.9	1322.1	1156.7	936.3	826.0	764.7	642.0	550.0
130°	1373.4	1461.5	1373.4	1285.4	1263.3	1116.1	919.8	821.7	766.0	654.3	570.6
132.5°	1311.8	1390.7	1311.8	1233.0	1213.2	1081.5	905.7	817.9	766.7	664.3	587.6
135°	1227.4	1295.4	1227.4	1159.4	1142.4	1032.1	885.0	811.4	766.0	675.2	607.2
137.5°	1159.7	1215.4	1159.7	1104.0	1090.1	996.9	872.4	810.2	770.7	691.6	632.2
140°	1113.3	1165.3	1113.3	1061.3	1048.3	967.6	860.2	806.5	771.5	701.5	649.1
142.5°	1074.8	1119.6	1074.8	1030.0	1018.8	948.0	853.6	806.5	774.3	709.9	661.6
145°	1017.1	1051.0	1017.1	983.2	974.7	916.9	839.7	801.0	774.3	720.8	680.7
147.5°	972.7	1000.8	972.7	944.7	937.7	892.1	831.4	801.0	779.6	736.8	704.7
150°	944.9	967.6	944.9	922.1	916.4	877.9	826.7	801.0	782.4	745.1	717.1
152.5°	921.0	938.2	921.0	903.9	899.6	866.7	822.9	801.0	784.1	750.5	725.3
155°	893.7	905.0	893.7	882.3	879.4	853.3	818.4	801.0	788.2	762.5	743.3
157.5°	872.0	880.0	872.0	864.0	862.0	841.7	814.5	801.0	792.1	774.5	761.2
160°	859.1	863.6	859.1	854.4	853.3	835.9	812.6	801.0	794.0	779.9	769.4
162.5°	850.5	854.9	850.5	846.2	845.1	830.4	810.8	801.0	795.9	785.8	778.2
165°	838.3	842.9	838.3	833.8	832.6	822.1	808.0	801.0	798.7	794.1	790.6
167.5°	829.6	831.5	829.6	827.6	827.2	820.2	811.0	806.5	804.5	800.7	797.8
170°	827.2	827.2	827.2	827.2	827.2	820.2	811.0	806.5	806.4	806.1	805.9
172.5°	820.7	819.0	820.7	822.4	822.8	817.3	810.1	806.5	806.5	806.5	806.5
175°	816.8	816.8	816.8	816.8	816.8	813.4	808.7	806.5	807.5	809.7	811.4
177.5°	813.3	811.4	813.3	815.2	815.7	813.0	809.4	807.5	808.4	810.1	811.4
180°	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4



TEST NUMBER: P934965

CATALOG NUMBER: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9
2.5°	3186.4	3168.6	3168.6	3138.9	3127.0	3118.1	3103.2	3058.6	3046.7	3034.8	3052.7
5°	3213.2	3180.5	3156.7	3103.2	3058.6	3040.8	2984.3	2877.3	2806.0	2752.4	2722.7
7.5°	3219.1	3177.5	3132.9	3049.7	2942.7	2895.1	2722.7	2526.5	2473.0	2425.5	2395.7
10°	3213.2	3165.7	3103.2	2978.3	2725.7	2642.5	2470.0	2342.3	2309.6	2300.6	2309.6
12.5°	3192.4	3147.7	3061.6	2853.5	2499.8	2443.3	2342.3	2267.9	2262.0	2276.9	2357.1
15°	3156.7	3115.1	3014.1	2687.1	2374.9	2333.4	2262.0	2235.3	2267.9	2372.0	2612.8
17.5°	3121.0	3073.4	2948.6	2523.6	2279.8	2250.1	2199.6	2253.1	2437.4	2577.1	2657.3
20°	3073.4	3017.0	2874.3	2404.7	2211.5	2184.7	2161.0	2401.7	2541.5	2592.0	2636.6
22.5°	3017.0	2957.6	2773.2	2321.4	2140.2	2119.3	2134.2	2485.0	2541.5	2577.1	2615.8
25°	2942.7	2892.2	2654.4	2256.1	2083.7	2059.9	2116.4	2476.0	2508.7	2517.6	2594.9
27.5°	2874.3	2808.9	2529.5	2196.6	2015.3	2006.4	2131.2	2437.4	2461.2	2470.0	2553.3
30°	2791.1	2693.0	2389.9	2134.2	1943.9	1941.0	2134.2	2389.9	2383.9	2407.7	2490.9
32.5°	2704.9	2520.6	2232.3	2056.9	1875.6	1872.6	2113.4	2318.5	2312.6	2345.2	2407.7
35°	2624.6	2386.9	2018.2	1967.7	1789.4	1792.3	2062.9	2235.3	2238.3	2267.9	2306.6
37.5°	2541.5	2270.9	1783.5	1869.6	1706.2	1706.2	1994.4	2158.0	2152.0	2161.0	2214.5
40°	2443.3	2089.6	1575.4	1741.8	1628.9	1619.9	1911.3	2074.7	2053.9	2051.0	2125.3
42.5°	2339.3	1890.5	1420.8	1572.4	1539.7	1527.8	1810.2	1973.7	1935.1	1943.9	2039.1
45°	2226.3	1837.0	1301.9	1328.7	1447.5	1438.7	1700.2	1857.8	1831.0	1854.8	1952.9
47.5°	2113.4	1729.9	1263.3	1102.8	1349.5	1346.5	1578.4	1744.8	1729.9	1753.7	1857.8
50°	1958.8	1611.1	1260.3	945.2	1239.5	1251.4	1432.7	1634.9	1634.9	1655.6	1765.6
52.5°	1759.7	1465.4	1144.3	856.1	1111.7	1147.3	1304.9	1539.7	1545.6	1566.4	1664.6
55°	1578.4	1313.9	1061.2	787.7	960.1	1037.4	1180.1	1441.6	1453.5	1474.3	1563.5
57.5°	1411.9	1093.8	1043.3	707.5	820.4	894.7	1070.0	1346.5	1352.4	1370.3	1456.5
60°	1233.6	790.6	957.1	621.2	698.5	755.0	969.0	1233.6	1254.4	1266.2	1340.6
62.5°	1031.4	573.7	867.9	561.8	639.1	651.0	885.8	1126.5	1153.3	1162.3	1206.8
65°	734.2	481.6	737.2	511.3	576.6	579.6	796.6	1016.5	1040.3	1055.2	1087.9
67.5°	496.4	392.3	561.8	463.7	529.1	532.1	710.4	888.8	921.4	933.4	954.2
70°	344.8	261.6	416.1	413.2	475.6	481.6	618.2	772.8	802.6	811.5	823.3
72.5°	252.7	211.1	344.8	371.5	419.1	425.1	523.1	642.0	671.7	680.7	686.7
75°	193.2	222.9	279.4	324.0	356.7	359.7	428.0	523.1	543.9	549.9	552.9
77.5°	154.6	208.1	205.1	261.6	291.3	285.4	335.9	404.3	422.1	422.1	422.1
80°	115.9	163.5	154.6	187.3	214.0	208.1	240.7	288.3	294.2	300.2	297.2
82.5°	86.2	104.0	104.0	118.9	142.6	136.8	160.6	187.3	187.3	187.3	193.2
85°	53.5	59.5	47.5	62.4	80.3	77.3	89.1	101.1	104.0	104.0	98.1
87.5°	32.7	26.8	14.8	23.8	35.7	35.7	41.6	44.6	41.6	41.6	41.6
90°	14.2	9.8	5.4	9.8	14.2	15.3	24.0	35.6	41.4	36.8	27.6
92.5°	95.9	58.8	21.8	58.8	95.9	105.1	147.8	204.6	233.1	204.3	146.7
95°	187.8	120.1	52.3	120.1	187.8	204.7	363.5	575.3	681.2	607.9	461.2
97.5°	210.0	150.2	90.4	150.2	210.0	224.9	489.7	842.8	1019.4	973.0	880.3
100°	228.3	174.0	119.8	174.0	228.3	241.8	535.7	927.5	1123.3	1126.8	1133.5
102.5°	246.0	195.4	144.8	195.4	246.0	258.7	556.7	954.1	1152.8	1211.8	1329.9
105°	273.0	230.2	187.3	230.2	273.0	283.7	572.3	957.1	1149.5	1281.9	1546.6
107.5°	310.7	270.9	230.9	270.9	310.7	320.8	575.2	914.5	1084.2	1268.8	1638.1
110°	332.3	296.3	260.3	296.3	332.3	341.4	570.8	876.7	1029.7	1236.1	1649.0



TEST NUMBER: P934965

CATALOG NUMBER: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	357.8	323.5	289.1	323.5	357.8	366.4	571.0	843.8	980.2	1191.5	1614.1
115°	396.1	364.4	332.7	364.4	396.1	404.0	576.3	805.9	920.8	1124.3	1531.4
117.5°	433.4	404.5	375.7	404.5	433.4	440.6	587.1	782.3	880.0	1063.6	1431.0
120°	455.0	427.8	400.8	427.8	455.0	461.7	595.7	774.3	863.6	1031.5	1367.2
122.5°	480.0	452.7	425.3	452.7	480.0	486.8	608.2	770.1	851.1	1002.2	1304.5
125°	512.7	487.8	462.9	487.8	512.7	518.9	625.1	766.7	837.5	965.9	1222.6
127.5°	543.7	518.5	493.3	518.5	543.7	550.0	642.0	764.7	826.0	936.3	1156.7
130°	563.9	536.7	509.7	536.7	563.9	570.6	654.3	766.0	821.7	919.8	1116.1
132.5°	580.8	553.7	526.5	553.7	580.8	587.6	664.3	766.7	817.9	905.7	1081.5
135°	601.0	576.3	551.6	576.3	601.0	607.2	675.2	766.0	811.4	885.0	1032.1
137.5°	626.1	601.6	577.2	601.6	626.1	632.2	691.6	770.7	810.2	872.4	996.9
140°	643.4	621.0	598.5	621.0	643.4	649.1	701.5	771.5	806.5	860.2	967.6
142.5°	656.4	635.6	614.8	635.6	656.4	661.6	709.9	774.3	806.5	853.6	948.0
145°	676.1	658.0	639.8	658.0	676.1	680.7	720.8	774.3	801.0	839.7	916.9
147.5°	700.3	682.5	664.9	682.5	700.3	704.7	736.8	779.6	801.0	831.4	892.1
150°	713.2	697.2	681.2	697.2	713.2	717.1	745.1	782.4	801.0	826.7	877.9
152.5°	722.3	710.2	698.1	710.2	722.3	725.3	750.5	784.1	801.0	822.9	866.7
155°	741.0	732.1	723.1	732.1	741.0	743.3	762.5	788.2	801.0	818.4	853.3
157.5°	759.0	750.3	741.6	750.3	759.0	761.2	774.5	792.1	801.0	814.5	841.7
160°	767.7	761.0	754.2	761.0	767.7	769.4	779.9	794.0	801.0	812.6	835.9
162.5°	776.9	771.8	766.7	771.8	776.9	778.2	785.8	795.9	801.0	810.8	830.4
165°	789.5	784.8	780.3	784.8	789.5	790.6	794.1	798.7	801.0	808.0	822.1
167.5°	797.2	795.0	792.8	795.0	797.2	797.8	800.7	804.5	806.5	811.0	820.2
170°	805.4	803.2	801.0	803.2	805.4	805.9	806.1	806.4	806.5	811.0	820.2
172.5°	806.4	805.8	805.4	805.8	806.4	806.5	806.5	806.5	806.5	810.1	817.3
175°	811.4	811.4	811.4	811.4	811.4	811.4	809.7	807.5	806.5	808.7	813.4
177.5°	811.4	811.4	811.4	811.4	811.4	811.4	810.1	808.4	807.5	809.4	813.0
180°	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4



TEST NUMBER: P934965
 CATALOG NUMBER: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-8-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9	3141.9
2.5°	3031.9	3022.9	3034.8	3002.1	3034.8	3022.9	3031.9	3052.7	3034.8	3046.7	3058.6
5°	2660.3	2645.4	2597.9	2559.3	2597.9	2645.4	2660.3	2722.7	2752.4	2806.0	2877.3
7.5°	2377.9	2366.1	2354.1	2330.4	2354.1	2366.1	2377.9	2395.7	2425.5	2473.0	2526.5
10°	2315.6	2318.5	2336.3	2333.4	2336.3	2318.5	2315.6	2309.6	2300.6	2309.6	2342.3
12.5°	2476.0	2502.8	2600.8	2594.9	2600.8	2502.8	2476.0	2357.1	2276.9	2262.0	2267.9
15°	2660.3	2669.2	2690.1	2693.0	2690.1	2669.2	2660.3	2612.8	2372.0	2267.9	2235.3
17.5°	2678.1	2681.1	2695.9	2695.9	2695.9	2681.1	2678.1	2657.3	2577.1	2437.4	2253.1
20°	2663.3	2669.2	2698.9	2704.9	2698.9	2669.2	2663.3	2636.6	2592.0	2541.5	2401.7
22.5°	2657.3	2669.2	2693.0	2690.1	2693.0	2669.2	2657.3	2615.8	2577.1	2541.5	2485.0
25°	2627.6	2627.6	2630.6	2633.6	2630.6	2627.6	2627.6	2594.9	2517.6	2508.7	2476.0
27.5°	2565.2	2571.1	2589.0	2586.0	2589.0	2571.1	2565.2	2553.3	2470.0	2461.2	2437.4
30°	2508.7	2502.8	2487.9	2476.0	2487.9	2502.8	2508.7	2490.9	2407.7	2383.9	2389.9
32.5°	2413.6	2398.7	2383.9	2374.9	2383.9	2398.7	2413.6	2407.7	2345.2	2312.6	2318.5
35°	2300.6	2303.6	2300.6	2291.8	2300.6	2303.6	2300.6	2306.6	2267.9	2238.3	2235.3
37.5°	2220.4	2226.3	2223.3	2211.5	2223.3	2226.3	2220.4	2214.5	2161.0	2152.0	2158.0
40°	2137.2	2140.2	2137.2	2128.2	2137.2	2140.2	2137.2	2125.3	2051.0	2053.9	2074.7
42.5°	2056.9	2053.9	2045.0	2039.1	2045.0	2053.9	2056.9	2039.1	1943.9	1935.1	1973.7
45°	1964.8	1967.7	1949.9	1941.0	1949.9	1967.7	1964.8	1952.9	1854.8	1831.0	1857.8
47.5°	1872.6	1872.6	1857.8	1848.8	1857.8	1872.6	1872.6	1857.8	1753.7	1729.9	1744.8
50°	1774.5	1771.5	1750.7	1747.8	1750.7	1771.5	1774.5	1765.6	1655.6	1634.9	1634.9
52.5°	1661.6	1661.6	1664.6	1670.5	1664.6	1661.6	1661.6	1664.6	1566.4	1545.6	1539.7
55°	1563.5	1566.4	1587.3	1593.2	1587.3	1566.4	1563.5	1563.5	1474.3	1453.5	1441.6
57.5°	1462.5	1462.5	1477.3	1477.3	1477.3	1462.5	1462.5	1456.5	1370.3	1352.4	1346.5
60°	1346.5	1352.4	1364.4	1361.4	1364.4	1352.4	1346.5	1340.6	1266.2	1254.4	1233.6
62.5°	1224.6	1230.6	1233.6	1227.6	1233.6	1230.6	1224.6	1206.8	1162.3	1153.3	1126.5
65°	1096.8	1102.8	1105.8	1099.8	1105.8	1102.8	1096.8	1087.9	1055.2	1040.3	1016.5
67.5°	966.0	963.1	960.1	972.0	960.1	963.1	966.0	954.2	933.4	921.4	888.8
70°	832.3	832.3	829.3	835.3	829.3	832.3	832.3	823.3	811.5	802.6	772.8
72.5°	689.6	686.7	698.5	689.6	698.5	686.7	689.6	686.7	680.7	671.7	642.0
75°	549.9	555.9	549.9	558.8	549.9	555.9	549.9	552.9	549.9	543.9	523.1
77.5°	419.1	425.1	419.1	419.1	419.1	425.1	419.1	422.1	422.1	422.1	404.3
80°	297.2	294.2	294.2	291.3	294.2	294.2	297.2	297.2	300.2	294.2	288.3
82.5°	190.2	187.3	187.3	193.2	187.3	187.3	190.2	193.2	187.3	187.3	187.3
85°	104.0	107.0	101.1	101.1	101.1	107.0	104.0	98.1	104.0	104.0	101.1
87.5°	38.6	35.7	35.7	35.7	35.7	35.7	38.6	41.6	41.6	41.6	44.6
90°	20.7	20.7	20.7	20.7	20.7	20.7	20.7	27.6	36.8	41.4	35.6
92.5°	103.5	99.3	82.9	66.4	82.9	99.3	103.5	146.7	204.3	233.1	204.6
95°	351.2	338.8	289.0	239.1	289.0	338.8	351.2	461.2	607.9	681.2	575.3
97.5°	810.8	787.1	692.2	597.3	692.2	787.1	810.8	880.3	973.0	1019.4	842.8
100°	1138.6	1110.3	997.4	884.4	997.4	1110.3	1138.6	1133.5	1126.8	1123.3	927.5
102.5°	1418.5	1394.3	1297.5	1200.7	1297.5	1394.3	1418.5	1329.9	1211.8	1152.8	954.1
105°	1745.2	1732.2	1680.1	1628.1	1680.1	1732.2	1745.2	1546.6	1281.9	1149.5	957.1
107.5°	1915.1	1918.3	1930.9	1943.4	1930.9	1918.3	1915.1	1638.1	1268.8	1084.2	914.5
110°	1958.7	1972.2	2026.5	2080.7	2026.5	1972.2	1958.7	1649.0	1236.1	1029.7	876.7



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1930.9	1951.8	2034.9	2118.2	2034.9	1951.8	1930.9	1614.1	1191.5	980.2	843.8
115°	1836.7	1865.6	1981.0	2096.4	1981.0	1865.6	1836.7	1531.4	1124.3	920.8	805.9
117.5°	1706.5	1738.5	1866.6	1994.6	1866.6	1738.5	1706.5	1431.0	1063.6	880.0	782.3
120°	1618.9	1650.0	1774.4	1898.8	1774.4	1650.0	1618.9	1367.2	1031.5	863.6	774.3
122.5°	1531.2	1561.9	1684.6	1807.3	1684.6	1561.9	1531.2	1304.5	1002.2	851.1	770.1
125°	1415.2	1443.5	1556.5	1669.6	1556.5	1443.5	1415.2	1222.6	965.9	837.5	766.7
127.5°	1322.1	1345.9	1441.3	1536.7	1441.3	1345.9	1322.1	1156.7	936.3	826.0	764.7
130°	1263.3	1285.4	1373.4	1461.5	1373.4	1285.4	1263.3	1116.1	919.8	821.7	766.0
132.5°	1213.2	1233.0	1311.8	1390.7	1311.8	1233.0	1213.2	1081.5	905.7	817.9	766.7
135°	1142.4	1159.4	1227.4	1295.4	1227.4	1159.4	1142.4	1032.1	885.0	811.4	766.0
137.5°	1090.1	1104.0	1159.7	1215.4	1159.7	1104.0	1090.1	996.9	872.4	810.2	770.7
140°	1048.3	1061.3	1113.3	1165.3	1113.3	1061.3	1048.3	967.6	860.2	806.5	771.5
142.5°	1018.8	1030.0	1074.8	1119.6	1074.8	1030.0	1018.8	948.0	853.6	806.5	774.3
145°	974.7	983.2	1017.1	1051.0	1017.1	983.2	974.7	916.9	839.7	801.0	774.3
147.5°	937.7	944.7	972.7	1000.8	972.7	944.7	937.7	892.1	831.4	801.0	779.6
150°	916.4	922.1	944.9	967.6	944.9	922.1	916.4	877.9	826.7	801.0	782.4
152.5°	899.6	903.9	921.0	938.2	921.0	903.9	899.6	866.7	822.9	801.0	784.1
155°	879.4	882.3	893.7	905.0	893.7	882.3	879.4	853.3	818.4	801.0	788.2
157.5°	862.0	864.0	872.0	880.0	872.0	864.0	862.0	841.7	814.5	801.0	792.1
160°	853.3	854.4	859.1	863.6	859.1	854.4	853.3	835.9	812.6	801.0	794.0
162.5°	845.1	846.2	850.5	854.9	850.5	846.2	845.1	830.4	810.8	801.0	795.9
165°	832.6	833.8	838.3	842.9	838.3	833.8	832.6	822.1	808.0	801.0	798.7
167.5°	827.2	827.6	829.6	831.5	829.6	827.6	827.2	820.2	811.0	806.5	804.5
170°	827.2	827.2	827.2	827.2	827.2	827.2	827.2	820.2	811.0	806.5	806.4
172.5°	822.8	822.4	820.7	819.0	820.7	822.4	822.8	817.3	810.1	806.5	806.5
175°	816.8	816.8	816.8	816.8	816.8	816.8	816.8	813.4	808.7	806.5	807.5
177.5°	815.7	815.2	813.3	811.4	813.3	815.2	815.7	813.0	809.4	807.5	808.4
180°	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3141.9	3141.9	3141.9	3141.9	3141.9
2.5°	3103.2	3118.1	3127.0	3138.9	3168.6
5°	2984.3	3040.8	3058.6	3103.2	3156.7
7.5°	2722.7	2895.1	2942.7	3049.7	3132.9
10°	2470.0	2642.5	2725.7	2978.3	3103.2
12.5°	2342.3	2443.3	2499.8	2853.5	3061.6
15°	2262.0	2333.4	2374.9	2687.1	3014.1
17.5°	2199.6	2250.1	2279.8	2523.6	2948.6
20°	2161.0	2184.7	2211.5	2404.7	2874.3
22.5°	2134.2	2119.3	2140.2	2321.4	2773.2
25°	2116.4	2059.9	2083.7	2256.1	2654.4
27.5°	2131.2	2006.4	2015.3	2196.6	2529.5
30°	2134.2	1941.0	1943.9	2134.2	2389.9
32.5°	2113.4	1872.6	1875.6	2056.9	2232.3
35°	2062.9	1792.3	1789.4	1967.7	2018.2
37.5°	1994.4	1706.2	1706.2	1869.6	1783.5
40°	1911.3	1619.9	1628.9	1741.8	1575.4
42.5°	1810.2	1527.8	1539.7	1572.4	1420.8
45°	1700.2	1438.7	1447.5	1328.7	1301.9
47.5°	1578.4	1346.5	1349.5	1102.8	1263.3
50°	1432.7	1251.4	1239.5	945.2	1260.3
52.5°	1304.9	1147.3	1111.7	856.1	1144.3
55°	1180.1	1037.4	960.1	787.7	1061.2
57.5°	1070.0	894.7	820.4	707.5	1043.3
60°	969.0	755.0	698.5	621.2	957.1
62.5°	885.8	651.0	639.1	561.8	867.9
65°	796.6	579.6	576.6	511.3	737.2
67.5°	710.4	532.1	529.1	463.7	561.8
70°	618.2	481.6	475.6	413.2	416.1
72.5°	523.1	425.1	419.1	371.5	344.8
75°	428.0	359.7	356.7	324.0	279.4
77.5°	335.9	285.4	291.3	261.6	205.1
80°	240.7	208.1	214.0	187.3	154.6
82.5°	160.6	136.8	142.6	118.9	104.0
85°	89.1	77.3	80.3	62.4	47.5
87.5°	41.6	35.7	35.7	23.8	14.8
90°	24.0	15.3	14.2	9.8	5.4
92.5°	147.8	105.1	95.9	58.8	21.8
95°	363.5	204.7	187.8	120.1	52.3
97.5°	489.7	224.9	210.0	150.2	90.4
100°	535.7	241.8	228.3	174.0	119.8
102.5°	556.7	258.7	246.0	195.4	144.8
105°	572.3	283.7	273.0	230.2	187.3
107.5°	575.2	320.8	310.7	270.9	230.9
110°	570.8	341.4	332.3	296.3	260.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	571.0	366.4	357.8	323.5	289.1
115°	576.3	404.0	396.1	364.4	332.7
117.5°	587.1	440.6	433.4	404.5	375.7
120°	595.7	461.7	455.0	427.8	400.8
122.5°	608.2	486.8	480.0	452.7	425.3
125°	625.1	518.9	512.7	487.8	462.9
127.5°	642.0	550.0	543.7	518.5	493.3
130°	654.3	570.6	563.9	536.7	509.7
132.5°	664.3	587.6	580.8	553.7	526.5
135°	675.2	607.2	601.0	576.3	551.6
137.5°	691.6	632.2	626.1	601.6	577.2
140°	701.5	649.1	643.4	621.0	598.5
142.5°	709.9	661.6	656.4	635.6	614.8
145°	720.8	680.7	676.1	658.0	639.8
147.5°	736.8	704.7	700.3	682.5	664.9
150°	745.1	717.1	713.2	697.2	681.2
152.5°	750.5	725.3	722.3	710.2	698.1
155°	762.5	743.3	741.0	732.1	723.1
157.5°	774.5	761.2	759.0	750.3	741.6
160°	779.9	769.4	767.7	761.0	754.2
162.5°	785.8	778.2	776.9	771.8	766.7
165°	794.1	790.6	789.5	784.8	780.3
167.5°	800.7	797.8	797.2	795.0	792.8
170°	806.1	805.9	805.4	803.2	801.0
172.5°	806.5	806.5	806.4	805.8	805.4
175°	809.7	811.4	811.4	811.4	811.4
177.5°	810.1	811.4	811.4	811.4	811.4
180°	811.4	811.4	811.4	811.4	811.4



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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	15.06	16.02	15.91	16.90	18.01	17.89	18.86	18.75	19.74	20.85
	3H	15.54	16.41	16.41	17.30	18.43	19.25	20.12	20.12	21.01	22.14
	4H	15.74	16.56	16.62	17.45	18.60	19.70	20.52	20.59	21.42	22.56
	6H	15.86	16.62	16.76	17.52	18.68	19.99	20.75	20.89	21.65	22.81
	8H	15.87	16.58	16.77	17.51	18.66	20.07	20.79	20.98	21.71	22.87
	12H	15.84	16.52	16.75	17.44	18.62	20.11	20.80	21.03	21.71	22.90
4H	2H	16.10	16.92	16.99	17.82	18.96	18.32	19.13	19.21	20.03	21.18
	3H	17.14	17.82	18.04	18.75	19.91	19.83	20.52	20.74	21.44	22.60
	4H	17.42	18.04	18.34	18.97	20.15	20.37	20.99	21.28	21.91	23.10
	6H	17.55	18.09	18.48	19.04	20.22	20.74	21.28	21.67	22.23	23.41
	8H	17.56	18.06	18.49	19.00	20.20	20.85	21.35	21.78	22.29	23.49
	12H	17.53	17.98	18.48	18.94	20.15	20.91	21.37	21.86	22.33	23.53
8H	4H	17.88	18.39	18.82	19.33	20.53	20.50	21.00	21.43	21.94	23.14
	6H	18.15	18.56	19.11	19.55	20.75	20.94	21.36	21.90	22.34	23.54
	8H	18.19	18.56	19.16	19.53	20.75	21.10	21.46	22.06	22.44	23.66
	12H	18.18	18.51	19.15	19.47	20.74	21.20	21.53	22.17	22.49	23.76
12H	4H	17.90	18.35	18.85	19.31	20.51	20.47	20.92	21.42	21.88	23.09
	6H	18.21	18.58	19.18	19.55	20.77	20.94	21.31	21.91	22.28	23.50
	8H	18.28	18.61	19.25	19.57	20.84	21.11	21.43	22.08	22.40	23.66