

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: P934966

Luminaire Tested: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934966
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-8-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

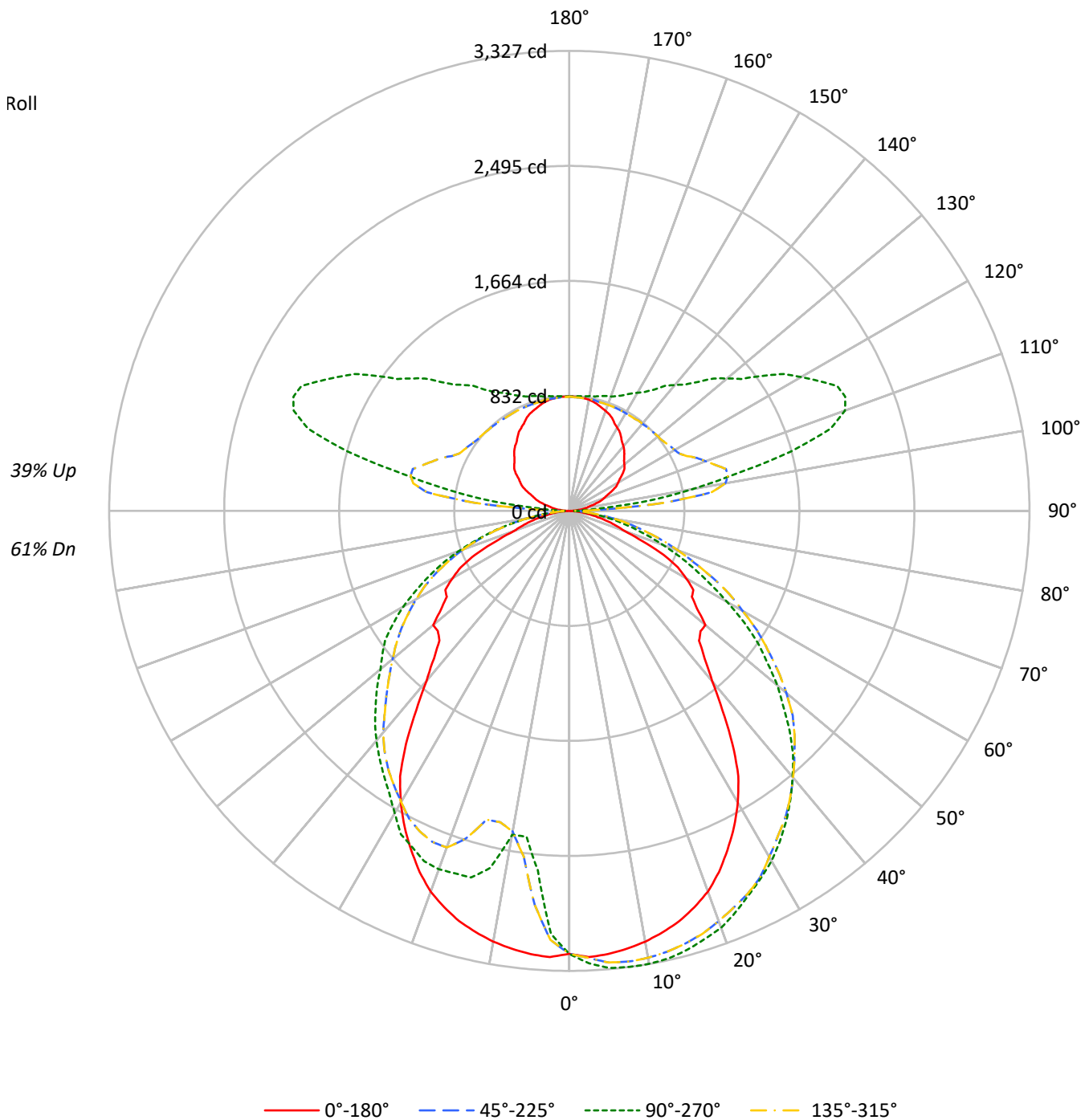
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13668.7 lumens
Efficiency: N/A
Efficacy: 110.2 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 (A_{in}): 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°	14859	14859	14859	14859
5°	14970	15000	14970	11794
10°	14870	14775	14870	10564
15°	14708	14455	14708	12071
20°	14401	14076	14401	12096
25°	13771	13523	13771	11839
30°	12958	13064	12958	11277
35°	11551	12483	11551	10658
40°	9625	11799	9625	10191
45°	8600	10999	8600	9653
50°	9137	10044	9137	9115
55°	8596	9016	8596	8802
60°	8861	7657	8861	8062
65°	8034	6330	8034	7076
70°	5563	5044	5563	5931
75°	4878	3729	4878	4465
80°	3932	2465	3932	2685
85°	2254	1306	2254	1111

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13181 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.1	2.1
10°-20°	820.8	6.0
20°-30°	1268.9	9.3
30°-40°	1514.7	11.1
40°-50°	1523.6	11.1
50°-60°	1325.7	9.7
60°-70°	940.0	6.9
70°-80°	497.3	3.6
80°-90°	127.0	0.9
90°-100°	403.2	2.9
100°-110°	1059.9	7.8
110°-120°	1099.0	8.0
120°-130°	881.5	6.4
130°-140°	691.7	5.1
140°-150°	530.9	3.9
150°-160°	382.3	2.8
160°-170°	233.9	1.7
170°-180°	79.0	0.6
0°-30°	2378.8	17.4
0°-40°	3893.5	28.5
0°-60°	6742.9	49.3
0°-90°	8307.2	60.8
90°-120°	2562.1	18.7
90°-150°	4666.3	34.1
90°-180°	5362.0	39.2
0°-180°	13668.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3203	3203	3203	3203	3203	
5°	3218	3318	3218	2609	3218	305
15°	3072	3288	3072	2745	3072	864
25°	2706	3066	2706	2685	2706	1242
35°	2057	2736	2057	2336	2057	1273
45°	1327	2254	1327	1978	1327	1063
55°	1082	1664	1082	1624	1082	994
65°	751	1003	751	1121	751	718
75°	285	476	285	570	285	299
85°	48	121	48	103	48	65
90°	6	21	6	21	6	7
95°	53	244	53	244	53	59
105°	191	1660	191	1660	191	202
115°	339	2137	339	2137	339	335
125°	472	1702	472	1702	472	419
135°	562	1320	562	1320	562	435
145°	652	1071	652	1071	652	409
155°	737	922	737	922	737	339
165°	795	859	795	859	795	224
175°	827	833	827	833	827	79
180°	827	827	827	827	827	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7
2.5°	3229.9	3229.9	3248.1	3254.2	3254.2	3245.1	3236.0	3245.1	3272.4	3281.5	3278.5
5°	3217.8	3242.1	3275.4	3281.5	3287.5	3284.5	3278.5	3284.5	3314.8	3320.9	3323.9
7.5°	3193.6	3239.1	3281.5	3290.5	3299.7	3290.5	3287.5	3293.6	3323.9	3329.9	3329.9
10°	3163.3	3227.0	3275.4	3281.5	3290.5	3281.5	3281.5	3293.6	3323.9	3329.9	3333.0
12.5°	3120.9	3208.7	3254.2	3260.3	3272.4	3269.3	3266.4	3278.5	3308.7	3314.8	3314.8
15°	3072.4	3175.4	3217.8	3223.9	3245.1	3239.1	3239.1	3251.1	3284.5	3293.6	3290.5
17.5°	3005.7	3133.0	3181.5	3190.5	3205.8	3202.7	3205.8	3217.8	3248.1	3254.2	3257.2
20°	2930.0	3075.4	3133.0	3142.1	3157.2	3157.2	3157.2	3172.4	3202.7	3214.8	3214.8
22.5°	2826.9	3014.9	3075.4	3081.5	3099.7	3099.7	3105.7	3127.0	3154.2	3157.2	3157.2
25°	2705.8	2948.2	2999.7	3017.8	3036.0	3045.1	3054.3	3066.4	3075.4	3072.4	3075.4
27.5°	2578.5	2863.3	2930.0	2942.1	2966.3	2975.5	2987.6	2990.6	2993.7	3002.7	2996.6
30°	2436.1	2745.2	2845.1	2857.3	2896.7	2902.7	2890.6	2896.7	2911.8	2917.9	2923.9
32.5°	2275.5	2569.5	2757.3	2784.6	2820.9	2802.8	2799.7	2808.8	2833.0	2833.0	2839.1
35°	2057.3	2433.1	2675.5	2699.7	2726.9	2705.8	2717.9	2720.9	2736.1	2745.2	2742.2
37.5°	1818.0	2314.9	2590.7	2608.8	2630.1	2602.8	2620.9	2630.1	2642.2	2636.1	2636.1
40°	1605.9	2130.0	2490.7	2502.8	2520.9	2499.7	2517.9	2524.0	2530.1	2524.0	2520.9
42.5°	1448.3	1927.1	2384.6	2399.7	2387.6	2402.7	2408.8	2420.9	2411.9	2399.7	2399.7
45°	1327.1	1872.5	2269.4	2287.6	2269.4	2293.7	2302.8	2302.8	2275.5	2269.4	2266.4
47.5°	1287.7	1763.4	2154.3	2154.3	2145.3	2175.5	2190.6	2169.4	2142.2	2133.1	2133.1
50°	1284.7	1642.3	1996.7	1984.6	2027.1	2063.4	2048.3	2027.1	2005.9	1972.6	1972.6
52.5°	1166.5	1493.7	1793.8	1839.2	1905.9	1927.1	1902.8	1881.6	1845.2	1830.1	1818.0
55°	1081.7	1339.3	1609.0	1699.8	1769.5	1796.8	1751.3	1730.1	1675.6	1666.5	1660.4
57.5°	1063.5	1115.0	1439.2	1554.4	1639.2	1636.2	1609.0	1569.6	1524.1	1515.0	1512.0
60°	975.6	806.0	1257.5	1393.8	1481.7	1472.6	1448.3	1412.0	1369.6	1363.5	1357.5
62.5°	884.7	584.8	1051.4	1205.9	1330.2	1327.1	1305.9	1251.4	1221.1	1205.9	1193.8
65°	751.4	490.9	748.4	1002.9	1181.7	1187.7	1142.3	1102.9	1069.5	1051.4	1048.4
67.5°	572.6	399.9	506.0	836.3	1039.3	1033.2	975.6	957.4	915.1	906.0	887.8
70°	424.2	266.6	351.5	678.7	899.9	884.7	839.3	818.1	778.7	757.5	745.3
72.5°	351.5	215.1	257.6	527.2	757.5	739.3	700.0	675.7	642.4	624.2	612.0
75°	284.8	227.2	197.0	390.9	615.1	603.0	566.6	542.4	515.1	490.9	493.9
77.5°	209.1	212.1	157.6	287.8	487.9	469.7	448.5	418.1	406.0	381.8	381.8
80°	157.6	166.6	118.2	197.0	351.5	351.5	333.3	312.1	290.9	278.8	278.8
82.5°	106.0	106.0	87.8	124.3	239.4	230.3	218.2	212.1	200.0	193.9	193.9
85°	48.4	60.6	54.5	75.7	130.3	136.4	136.4	130.3	127.2	121.2	124.3
87.5°	15.1	27.3	33.3	42.4	66.7	69.7	72.7	72.7	72.7	75.7	75.7
90°	5.6	10.0	14.5	15.6	24.4	36.3	42.2	37.5	28.1	21.1	21.1
92.5°	22.2	60.0	97.8	107.2	150.7	208.6	237.6	208.2	149.5	105.5	101.3
95°	53.3	122.4	191.4	208.7	370.6	586.4	694.4	619.6	470.1	358.0	345.3
97.5°	92.1	153.1	214.1	229.3	499.2	859.1	1039.1	991.8	897.4	826.6	802.4
100°	122.1	177.4	232.7	246.5	546.1	945.4	1145.1	1148.6	1155.5	1160.7	1131.9
102.5°	147.6	199.2	250.8	263.7	567.4	972.6	1175.1	1235.3	1355.7	1446.0	1421.3
105°	191.0	234.7	278.3	289.2	583.4	975.6	1171.8	1306.7	1576.6	1779.0	1765.7
107.5°	235.4	276.1	316.8	327.0	586.3	932.2	1105.2	1293.4	1669.8	1952.2	1955.5
110°	265.4	302.1	338.8	348.0	581.9	893.7	1049.7	1260.1	1680.9	1996.6	2010.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	294.7	329.7	364.8	373.5	582.0	860.1	999.2	1214.6	1645.3	1968.3	1989.6
115°	339.1	371.5	403.8	411.8	587.4	821.5	938.6	1146.1	1561.1	1872.3	1901.7
117.5°	383.0	412.4	441.7	449.1	598.4	797.5	897.0	1084.2	1458.7	1739.6	1772.2
120°	408.5	436.1	463.8	470.7	607.2	789.3	880.4	1051.5	1393.6	1650.2	1681.9
122.5°	433.5	461.4	489.3	496.3	620.0	785.0	867.6	1021.6	1329.8	1560.9	1592.1
125°	471.8	497.3	522.6	529.0	637.2	781.5	853.7	984.6	1246.3	1442.6	1471.4
127.5°	502.9	528.6	554.2	560.6	654.5	779.5	842.0	954.4	1179.1	1347.7	1372.0
130°	519.5	547.1	574.8	581.7	667.0	780.8	837.7	937.7	1137.8	1287.8	1310.3
132.5°	536.7	564.4	592.1	599.0	677.2	781.5	833.7	923.2	1102.4	1236.7	1256.8
135°	562.3	587.4	612.7	618.9	688.3	780.8	827.1	902.1	1052.1	1164.5	1181.9
137.5°	588.4	613.3	638.2	644.4	705.0	785.6	825.9	889.3	1016.2	1111.3	1125.4
140°	610.1	633.0	655.9	661.6	715.1	786.4	822.1	876.9	986.4	1068.6	1081.8
142.5°	626.7	647.9	669.2	674.4	723.7	789.3	822.1	870.2	966.4	1038.6	1049.9
145°	652.2	670.8	689.2	693.9	734.8	789.3	816.5	855.9	934.6	993.6	1002.2
147.5°	677.8	695.7	713.8	718.3	751.1	794.7	816.5	847.5	909.4	955.8	963.0
150°	694.4	710.7	727.0	731.0	759.5	797.5	816.5	842.7	895.0	934.2	940.0
152.5°	711.6	723.9	736.3	739.3	765.0	799.3	816.5	838.8	883.5	917.0	921.4
155°	737.1	746.2	755.4	757.7	777.3	803.5	816.5	834.3	869.8	896.5	899.3
157.5°	756.0	764.9	773.7	776.0	789.5	807.5	816.5	830.3	858.0	878.7	880.7
160°	768.8	775.7	782.6	784.3	795.0	809.4	816.5	828.3	852.1	869.8	871.0
162.5°	781.5	786.7	791.9	793.2	801.0	811.3	816.5	826.6	846.5	861.5	862.5
165°	795.4	800.1	804.8	806.0	809.5	814.2	816.5	823.7	838.0	848.8	849.9
167.5°	808.2	810.4	812.7	813.2	816.2	820.1	822.1	826.7	836.1	843.2	843.7
170°	816.5	818.8	821.0	821.5	821.7	822.0	822.1	826.7	836.1	843.2	843.2
172.5°	821.0	821.4	822.0	822.1	822.1	822.1	822.1	825.7	833.2	838.7	838.3
175°	827.1	827.1	827.1	827.1	825.4	823.1	822.1	824.4	829.1	832.6	832.6
177.5°	827.1	827.1	827.1	827.1	825.7	824.0	823.1	825.0	828.7	831.5	831.0
180°	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7
2.5°	3284.5	3275.4	3284.5	3278.5	3281.5	3272.4	3245.1	3236.0	3245.1	3254.2	3254.2
5°	3323.9	3317.8	3323.9	3323.9	3320.9	3314.8	3284.5	3278.5	3284.5	3287.5	3281.5
7.5°	3336.0	3326.9	3336.0	3329.9	3329.9	3323.9	3293.6	3287.5	3290.5	3299.7	3290.5
10°	3336.0	3326.9	3336.0	3333.0	3329.9	3323.9	3293.6	3281.5	3281.5	3290.5	3281.5
12.5°	3320.9	3314.8	3320.9	3314.8	3314.8	3308.7	3278.5	3266.4	3269.3	3272.4	3260.3
15°	3296.6	3287.5	3296.6	3290.5	3293.6	3284.5	3251.1	3239.1	3239.1	3245.1	3223.9
17.5°	3260.3	3248.1	3260.3	3257.2	3254.2	3248.1	3217.8	3205.8	3202.7	3205.8	3190.5
20°	3217.8	3208.7	3217.8	3214.8	3214.8	3202.7	3172.4	3157.2	3157.2	3157.2	3142.1
22.5°	3151.1	3142.1	3151.1	3157.2	3157.2	3154.2	3127.0	3105.7	3099.7	3099.7	3081.5
25°	3075.4	3066.4	3075.4	3075.4	3072.4	3075.4	3066.4	3054.3	3045.1	3036.0	3017.8
27.5°	3002.7	2996.6	3002.7	2996.6	3002.7	2993.7	2990.6	2987.6	2975.5	2966.3	2942.1
30°	2930.0	2923.9	2930.0	2923.9	2917.9	2911.8	2896.7	2890.6	2902.7	2896.7	2857.3
32.5°	2839.1	2833.0	2839.1	2839.1	2833.0	2833.0	2808.8	2799.7	2802.8	2820.9	2784.6
35°	2745.2	2736.1	2745.2	2742.2	2745.2	2736.1	2720.9	2717.9	2705.8	2726.9	2699.7
37.5°	2636.1	2627.0	2636.1	2636.1	2636.1	2642.2	2630.1	2620.9	2602.8	2630.1	2608.8
40°	2524.0	2511.9	2524.0	2520.9	2524.0	2530.1	2524.0	2517.9	2499.7	2520.9	2502.8
42.5°	2396.8	2393.7	2396.8	2399.7	2399.7	2411.9	2420.9	2408.8	2402.7	2387.6	2399.7
45°	2260.4	2254.3	2260.4	2266.4	2269.4	2275.5	2302.8	2302.8	2293.7	2269.4	2287.6
47.5°	2114.9	2099.8	2114.9	2133.1	2133.1	2142.2	2169.4	2190.6	2175.5	2145.3	2154.3
50°	1960.4	1963.4	1960.4	1972.6	1972.6	2005.9	2027.1	2048.3	2063.4	2027.1	1984.6
52.5°	1808.9	1805.8	1808.9	1818.0	1830.1	1845.2	1881.6	1902.8	1927.1	1905.9	1839.2
55°	1657.4	1663.5	1657.4	1660.4	1666.5	1675.6	1730.1	1751.3	1796.8	1769.5	1699.8
57.5°	1505.9	1496.8	1505.9	1512.0	1515.0	1524.1	1569.6	1609.0	1636.2	1639.2	1554.4
60°	1330.2	1318.1	1330.2	1357.5	1363.5	1369.6	1412.0	1448.3	1472.6	1481.7	1393.8
62.5°	1175.6	1154.4	1175.6	1193.8	1205.9	1221.1	1251.4	1305.9	1327.1	1330.2	1205.9
65°	1012.0	1002.9	1012.0	1048.4	1051.4	1069.5	1102.9	1142.3	1187.7	1181.7	1002.9
67.5°	863.5	863.5	863.5	887.8	906.0	915.1	957.4	975.6	1033.2	1039.3	836.3
70°	727.2	724.1	727.2	745.3	757.5	778.7	818.1	839.3	884.7	899.9	678.7
72.5°	596.9	593.9	596.9	612.0	624.2	642.4	675.7	700.0	739.3	757.5	527.2
75°	481.8	475.7	481.8	493.9	490.9	515.1	542.4	566.6	603.0	615.1	390.9
77.5°	369.7	369.7	369.7	381.8	381.8	406.0	418.1	448.5	469.7	487.9	287.8
80°	275.8	272.7	275.8	278.8	278.8	290.9	312.1	333.3	351.5	351.5	197.0
82.5°	193.9	187.8	193.9	193.9	193.9	200.0	212.1	218.2	230.3	239.4	124.3
85°	121.2	121.2	121.2	124.3	121.2	127.2	130.3	136.4	136.4	130.3	75.7
87.5°	78.8	75.7	78.8	75.7	75.7	72.7	72.7	72.7	69.7	66.7	42.4
90°	21.1	21.1	21.1	21.1	21.1	28.1	37.5	42.2	36.3	24.4	15.6
92.5°	84.5	67.7	84.5	101.3	105.5	149.5	208.2	237.6	208.6	150.7	107.2
95°	294.6	243.7	294.6	345.3	358.0	470.1	619.6	694.4	586.4	370.6	208.7
97.5°	705.6	608.9	705.6	802.4	826.6	897.4	991.8	1039.1	859.1	499.2	229.3
100°	1016.7	901.5	1016.7	1131.9	1160.7	1155.5	1148.6	1145.1	945.4	546.1	246.5
102.5°	1322.6	1224.0	1322.6	1421.3	1446.0	1355.7	1235.3	1175.1	972.6	567.4	263.7
105°	1712.6	1659.6	1712.6	1765.7	1779.0	1576.6	1306.7	1171.8	975.6	583.4	289.2
107.5°	1968.3	1981.1	1968.3	1955.5	1952.2	1669.8	1293.4	1105.2	932.2	586.3	327.0
110°	2065.8	2121.0	2065.8	2010.4	1996.6	1680.9	1260.1	1049.7	893.7	581.9	348.0



TEST NUMBER: P934966

CATALOG NUMBER: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2074.3	2159.2	2074.3	1989.6	1968.3	1645.3	1214.6	999.2	860.1	582.0	373.5
115°	2019.4	2137.0	2019.4	1901.7	1872.3	1561.1	1146.1	938.6	821.5	587.4	411.8
117.5°	1902.7	2033.3	1902.7	1772.2	1739.6	1458.7	1084.2	897.0	797.5	598.4	449.1
120°	1808.8	1935.6	1808.8	1681.9	1650.2	1393.6	1051.5	880.4	789.3	607.2	470.7
122.5°	1717.2	1842.3	1717.2	1592.1	1560.9	1329.8	1021.6	867.6	785.0	620.0	496.3
125°	1586.7	1701.9	1586.7	1471.4	1442.6	1246.3	984.6	853.7	781.5	637.2	529.0
127.5°	1469.2	1566.4	1469.2	1372.0	1347.7	1179.1	954.4	842.0	779.5	654.5	560.6
130°	1400.0	1489.8	1400.0	1310.3	1287.8	1137.8	937.7	837.7	780.8	667.0	581.7
132.5°	1337.2	1417.6	1337.2	1256.8	1236.7	1102.4	923.2	833.7	781.5	677.2	599.0
135°	1251.2	1320.5	1251.2	1181.9	1164.5	1052.1	902.1	827.1	780.8	688.3	618.9
137.5°	1182.2	1238.9	1182.2	1125.4	1111.3	1016.2	889.3	825.9	785.6	705.0	644.4
140°	1134.9	1187.9	1134.9	1081.8	1068.6	986.4	876.9	822.1	786.4	715.1	661.6
142.5°	1095.6	1141.3	1095.6	1049.9	1038.6	966.4	870.2	822.1	789.3	723.7	674.4
145°	1036.8	1071.3	1036.8	1002.2	993.6	934.6	855.9	816.5	789.3	734.8	693.9
147.5°	991.6	1020.2	991.6	963.0	955.8	909.4	847.5	816.5	794.7	751.1	718.3
150°	963.2	986.4	963.2	940.0	934.2	895.0	842.7	816.5	797.5	759.5	731.0
152.5°	938.8	956.4	938.8	921.4	917.0	883.5	838.8	816.5	799.3	765.0	739.3
155°	911.0	922.5	911.0	899.3	896.5	869.8	834.3	816.5	803.5	777.3	757.7
157.5°	888.9	897.0	888.9	880.7	878.7	858.0	830.3	816.5	807.5	789.5	776.0
160°	875.7	880.4	875.7	871.0	869.8	852.1	828.3	816.5	809.4	795.0	784.3
162.5°	867.0	871.5	867.0	862.5	861.5	846.5	826.6	816.5	811.3	801.0	793.2
165°	854.6	859.2	854.6	849.9	848.8	838.0	823.7	816.5	814.2	809.5	806.0
167.5°	845.6	847.6	845.6	843.7	843.2	836.1	826.7	822.1	820.1	816.2	813.2
170°	843.2	843.2	843.2	843.2	843.2	836.1	826.7	822.1	822.0	821.7	821.5
172.5°	836.6	834.9	836.6	838.3	838.7	833.2	825.7	822.1	822.1	822.1	822.1
175°	832.6	832.6	832.6	832.6	832.6	829.1	824.4	822.1	823.1	825.4	827.1
177.5°	829.1	827.1	829.1	831.0	831.5	828.7	825.0	823.1	824.0	825.7	827.1
180°	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1



TEST NUMBER: P934966

CATALOG NUMBER: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7
2.5°	3248.1	3229.9	3229.9	3199.7	3187.6	3178.4	3163.3	3117.8	3105.7	3093.6	3111.8
5°	3275.4	3242.1	3217.8	3163.3	3117.8	3099.7	3042.1	2933.0	2860.3	2805.7	2775.5
7.5°	3281.5	3239.1	3193.6	3108.8	2999.7	2951.2	2775.5	2575.5	2520.9	2472.5	2442.1
10°	3275.4	3227.0	3163.3	3036.0	2778.5	2693.6	2517.9	2387.6	2354.3	2345.2	2354.3
12.5°	3254.2	3208.7	3120.9	2908.8	2548.2	2490.7	2387.6	2311.9	2305.8	2321.0	2402.7
15°	3217.8	3175.4	3072.4	2739.1	2420.9	2378.6	2305.8	2278.6	2311.9	2418.0	2663.4
17.5°	3181.5	3133.0	3005.7	2572.5	2324.0	2293.7	2242.2	2296.7	2484.6	2627.0	2708.8
20°	3133.0	3075.4	2930.0	2451.3	2254.3	2227.0	2202.8	2448.2	2590.7	2642.2	2687.6
22.5°	3075.4	3014.9	2826.9	2366.4	2181.6	2160.4	2175.5	2533.1	2590.7	2627.0	2666.4
25°	2999.7	2948.2	2705.8	2299.8	2124.0	2099.8	2157.3	2524.0	2557.3	2566.4	2645.2
27.5°	2930.0	2863.3	2578.5	2239.2	2054.3	2045.3	2172.5	2484.6	2508.8	2517.9	2602.8
30°	2845.1	2745.2	2436.1	2175.5	1981.6	1978.5	2175.5	2436.1	2430.1	2454.3	2539.1
32.5°	2757.3	2569.5	2275.5	2096.7	1911.9	1908.9	2154.3	2363.4	2357.4	2390.7	2454.3
35°	2675.5	2433.1	2057.3	2005.9	1824.0	1827.1	2102.8	2278.6	2281.6	2311.9	2351.3
37.5°	2590.7	2314.9	1818.0	1905.9	1739.2	1739.2	2033.1	2199.8	2193.7	2202.8	2257.4
40°	2490.7	2130.0	1605.9	1775.6	1660.4	1651.3	1948.3	2114.9	2093.7	2090.7	2166.5
42.5°	2384.6	1927.1	1448.3	1602.9	1569.6	1557.4	1845.2	2011.9	1972.6	1981.6	2078.6
45°	2269.4	1872.5	1327.1	1354.4	1475.6	1466.5	1733.1	1893.8	1866.5	1890.7	1990.7
47.5°	2154.3	1763.4	1287.7	1124.2	1375.6	1372.6	1609.0	1778.6	1763.4	1787.7	1893.8
50°	1996.7	1642.3	1284.7	963.5	1263.5	1275.6	1460.4	1666.5	1666.5	1687.7	1799.8
52.5°	1793.8	1493.7	1166.5	872.7	1133.2	1169.5	1330.2	1569.6	1575.6	1596.8	1696.8
55°	1609.0	1339.3	1081.7	802.9	978.7	1057.5	1202.9	1469.6	1481.7	1502.9	1593.7
57.5°	1439.2	1115.0	1063.5	721.2	836.3	912.1	1090.8	1372.6	1378.6	1396.9	1484.7
60°	1257.5	806.0	975.6	633.3	712.0	769.6	987.8	1257.5	1278.7	1290.8	1366.5
62.5°	1051.4	584.8	884.7	572.6	651.4	663.6	902.9	1148.3	1175.6	1184.8	1230.2
65°	748.4	490.9	751.4	521.2	587.8	590.8	812.0	1036.2	1060.5	1075.6	1108.9
67.5°	506.0	399.9	572.6	472.6	539.3	542.4	724.1	906.0	939.3	951.4	972.7
70°	351.5	266.6	424.2	421.2	484.8	490.9	630.2	787.8	818.1	827.2	839.3
72.5°	257.6	215.1	351.5	378.7	427.2	433.3	533.2	654.5	684.7	693.9	700.0
75°	197.0	227.2	284.8	330.3	363.6	366.6	436.3	533.2	554.5	560.6	563.6
77.5°	157.6	212.1	209.1	266.6	297.0	290.9	342.4	412.1	430.3	430.3	430.3
80°	118.2	166.6	157.6	190.9	218.2	212.1	245.4	293.9	299.9	306.0	303.0
82.5°	87.8	106.0	106.0	121.2	145.4	139.4	163.7	190.9	190.9	190.9	197.0
85°	54.5	60.6	48.4	63.7	81.8	78.8	90.9	103.1	106.0	106.0	100.0
87.5°	33.3	27.3	15.1	24.3	36.3	36.3	42.4	45.5	42.4	42.4	42.4
90°	14.5	10.0	5.6	10.0	14.5	15.6	24.4	36.3	42.2	37.5	28.1
92.5°	97.8	60.0	22.2	60.0	97.8	107.2	150.7	208.6	237.6	208.2	149.5
95°	191.4	122.4	53.3	122.4	191.4	208.7	370.6	586.4	694.4	619.6	470.1
97.5°	214.1	153.1	92.1	153.1	214.1	229.3	499.2	859.1	1039.1	991.8	897.4
100°	232.7	177.4	122.1	177.4	232.7	246.5	546.1	945.4	1145.1	1148.6	1155.5
102.5°	250.8	199.2	147.6	199.2	250.8	263.7	567.4	972.6	1175.1	1235.3	1355.7
105°	278.3	234.7	191.0	234.7	278.3	289.2	583.4	975.6	1171.8	1306.7	1576.6
107.5°	316.8	276.1	235.4	276.1	316.8	327.0	586.3	932.2	1105.2	1293.4	1669.8
110°	338.8	302.1	265.4	302.1	338.8	348.0	581.9	893.7	1049.7	1260.1	1680.9



TEST NUMBER: P934966

CATALOG NUMBER: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	364.8	329.7	294.7	329.7	364.8	373.5	582.0	860.1	999.2	1214.6	1645.3
115°	403.8	371.5	339.1	371.5	403.8	411.8	587.4	821.5	938.6	1146.1	1561.1
117.5°	441.7	412.4	383.0	412.4	441.7	449.1	598.4	797.5	897.0	1084.2	1458.7
120°	463.8	436.1	408.5	436.1	463.8	470.7	607.2	789.3	880.4	1051.5	1393.6
122.5°	489.3	461.4	433.5	461.4	489.3	496.3	620.0	785.0	867.6	1021.6	1329.8
125°	522.6	497.3	471.8	497.3	522.6	529.0	637.2	781.5	853.7	984.6	1246.3
127.5°	554.2	528.6	502.9	528.6	554.2	560.6	654.5	779.5	842.0	954.4	1179.1
130°	574.8	547.1	519.5	547.1	574.8	581.7	667.0	780.8	837.7	937.7	1137.8
132.5°	592.1	564.4	536.7	564.4	592.1	599.0	677.2	781.5	833.7	923.2	1102.4
135°	612.7	587.4	562.3	587.4	612.7	618.9	688.3	780.8	827.1	902.1	1052.1
137.5°	638.2	613.3	588.4	613.3	638.2	644.4	705.0	785.6	825.9	889.3	1016.2
140°	655.9	633.0	610.1	633.0	655.9	661.6	715.1	786.4	822.1	876.9	986.4
142.5°	669.2	647.9	626.7	647.9	669.2	674.4	723.7	789.3	822.1	870.2	966.4
145°	689.2	670.8	652.2	670.8	689.2	693.9	734.8	789.3	816.5	855.9	934.6
147.5°	713.8	695.7	677.8	695.7	713.8	718.3	751.1	794.7	816.5	847.5	909.4
150°	727.0	710.7	694.4	710.7	727.0	731.0	759.5	797.5	816.5	842.7	895.0
152.5°	736.3	723.9	711.6	723.9	736.3	739.3	765.0	799.3	816.5	838.8	883.5
155°	755.4	746.2	737.1	746.2	755.4	757.7	777.3	803.5	816.5	834.3	869.8
157.5°	773.7	764.9	756.0	764.9	773.7	776.0	789.5	807.5	816.5	830.3	858.0
160°	782.6	775.7	768.8	775.7	782.6	784.3	795.0	809.4	816.5	828.3	852.1
162.5°	791.9	786.7	781.5	786.7	791.9	793.2	801.0	811.3	816.5	826.6	846.5
165°	804.8	800.1	795.4	800.1	804.8	806.0	809.5	814.2	816.5	823.7	838.0
167.5°	812.7	810.4	808.2	810.4	812.7	813.2	816.2	820.1	822.1	826.7	836.1
170°	821.0	818.8	816.5	818.8	821.0	821.5	821.7	822.0	822.1	826.7	836.1
172.5°	822.0	821.4	821.0	821.4	822.0	822.1	822.1	822.1	822.1	825.7	833.2
175°	827.1	827.1	827.1	827.1	827.1	827.1	825.4	823.1	822.1	824.4	829.1
177.5°	827.1	827.1	827.1	827.1	827.1	827.1	825.7	824.0	823.1	825.0	828.7
180°	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1



TEST NUMBER: P934966

CATALOG NUMBER: SQ4-FA-075U-125D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7
2.5°	3090.6	3081.5	3093.6	3060.3	3093.6	3081.5	3090.6	3111.8	3093.6	3105.7	3117.8
5°	2711.8	2696.7	2648.2	2608.8	2648.2	2696.7	2711.8	2775.5	2805.7	2860.3	2933.0
7.5°	2424.0	2411.9	2399.7	2375.5	2399.7	2411.9	2424.0	2442.1	2472.5	2520.9	2575.5
10°	2360.4	2363.4	2381.5	2378.6	2381.5	2363.4	2360.4	2354.3	2345.2	2354.3	2387.6
12.5°	2524.0	2551.3	2651.2	2645.2	2651.2	2551.3	2524.0	2402.7	2321.0	2305.8	2311.9
15°	2711.8	2720.9	2742.2	2745.2	2742.2	2720.9	2711.8	2663.4	2418.0	2311.9	2278.6
17.5°	2730.0	2733.0	2748.2	2748.2	2748.2	2733.0	2730.0	2708.8	2627.0	2484.6	2296.7
20°	2714.9	2720.9	2751.2	2757.3	2751.2	2720.9	2714.9	2687.6	2642.2	2590.7	2448.2
22.5°	2708.8	2720.9	2745.2	2742.2	2745.2	2720.9	2708.8	2666.4	2627.0	2590.7	2533.1
25°	2678.5	2678.5	2681.5	2684.6	2681.5	2678.5	2678.5	2645.2	2566.4	2557.3	2524.0
27.5°	2614.8	2620.9	2639.1	2636.1	2639.1	2620.9	2614.8	2602.8	2517.9	2508.8	2484.6
30°	2557.3	2551.3	2536.1	2524.0	2536.1	2551.3	2557.3	2539.1	2454.3	2430.1	2436.1
32.5°	2460.3	2445.2	2430.1	2420.9	2430.1	2445.2	2460.3	2454.3	2390.7	2357.4	2363.4
35°	2345.2	2348.2	2345.2	2336.1	2345.2	2348.2	2345.2	2351.3	2311.9	2281.6	2278.6
37.5°	2263.4	2269.4	2266.4	2254.3	2266.4	2269.4	2263.4	2257.4	2202.8	2193.7	2199.8
40°	2178.6	2181.6	2178.6	2169.4	2178.6	2181.6	2178.6	2166.5	2090.7	2093.7	2114.9
42.5°	2096.7	2093.7	2084.6	2078.6	2084.6	2093.7	2096.7	2078.6	1981.6	1972.6	2011.9
45°	2002.8	2005.9	1987.7	1978.5	1987.7	2005.9	2002.8	1990.7	1890.7	1866.5	1893.8
47.5°	1908.9	1908.9	1893.8	1884.6	1893.8	1908.9	1908.9	1893.8	1787.7	1763.4	1778.6
50°	1808.9	1805.8	1784.6	1781.7	1784.6	1805.8	1808.9	1799.8	1687.7	1666.5	1666.5
52.5°	1693.8	1693.8	1696.8	1702.9	1696.8	1693.8	1693.8	1696.8	1596.8	1575.6	1569.6
55°	1593.7	1596.8	1618.0	1624.1	1618.0	1596.8	1593.7	1593.7	1502.9	1481.7	1469.6
57.5°	1490.8	1490.8	1505.9	1505.9	1505.9	1490.8	1490.8	1484.7	1396.9	1378.6	1372.6
60°	1372.6	1378.6	1390.8	1387.7	1390.8	1378.6	1372.6	1366.5	1290.8	1278.7	1257.5
62.5°	1248.3	1254.4	1257.5	1251.4	1257.5	1254.4	1248.3	1230.2	1184.8	1175.6	1148.3
65°	1118.1	1124.2	1127.2	1121.1	1127.2	1124.2	1118.1	1108.9	1075.6	1060.5	1036.2
67.5°	984.8	981.7	978.7	990.8	978.7	981.7	984.8	972.7	951.4	939.3	906.0
70°	848.4	848.4	845.4	851.4	845.4	848.4	848.4	839.3	827.2	818.1	787.8
72.5°	703.0	700.0	712.0	703.0	712.0	700.0	703.0	700.0	693.9	684.7	654.5
75°	560.6	566.6	560.6	569.6	560.6	566.6	560.6	563.6	560.6	554.5	533.2
77.5°	427.2	433.3	427.2	427.2	427.2	433.3	427.2	430.3	430.3	430.3	412.1
80°	303.0	299.9	299.9	297.0	299.9	299.9	303.0	303.0	306.0	299.9	293.9
82.5°	193.9	190.9	190.9	197.0	190.9	190.9	193.9	197.0	190.9	190.9	190.9
85°	106.0	109.0	103.1	103.1	103.1	109.0	106.0	100.0	106.0	106.0	103.1
87.5°	39.4	36.3	36.3	36.3	36.3	36.3	39.4	42.4	42.4	42.4	45.5
90°	21.1	21.1	21.1	21.1	21.1	21.1	21.1	28.1	37.5	42.2	36.3
92.5°	105.5	101.3	84.5	67.7	84.5	101.3	105.5	149.5	208.2	237.6	208.6
95°	358.0	345.3	294.6	243.7	294.6	345.3	358.0	470.1	619.6	694.4	586.4
97.5°	826.6	802.4	705.6	608.9	705.6	802.4	826.6	897.4	991.8	1039.1	859.1
100°	1160.7	1131.9	1016.7	901.5	1016.7	1131.9	1160.7	1155.5	1148.6	1145.1	945.4
102.5°	1446.0	1421.3	1322.6	1224.0	1322.6	1421.3	1446.0	1355.7	1235.3	1175.1	972.6
105°	1779.0	1765.7	1712.6	1659.6	1712.6	1765.7	1779.0	1576.6	1306.7	1171.8	975.6
107.5°	1952.2	1955.5	1968.3	1981.1	1968.3	1955.5	1952.2	1669.8	1293.4	1105.2	932.2
110°	1996.6	2010.4	2065.8	2121.0	2065.8	2010.4	1996.6	1680.9	1260.1	1049.7	893.7



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1968.3	1989.6	2074.3	2159.2	2074.3	1989.6	1968.3	1645.3	1214.6	999.2	860.1
115°	1872.3	1901.7	2019.4	2137.0	2019.4	1901.7	1872.3	1561.1	1146.1	938.6	821.5
117.5°	1739.6	1772.2	1902.7	2033.3	1902.7	1772.2	1739.6	1458.7	1084.2	897.0	797.5
120°	1650.2	1681.9	1808.8	1935.6	1808.8	1681.9	1650.2	1393.6	1051.5	880.4	789.3
122.5°	1560.9	1592.1	1717.2	1842.3	1717.2	1592.1	1560.9	1329.8	1021.6	867.6	785.0
125°	1442.6	1471.4	1586.7	1701.9	1586.7	1471.4	1442.6	1246.3	984.6	853.7	781.5
127.5°	1347.7	1372.0	1469.2	1566.4	1469.2	1372.0	1347.7	1179.1	954.4	842.0	779.5
130°	1287.8	1310.3	1400.0	1489.8	1400.0	1310.3	1287.8	1137.8	937.7	837.7	780.8
132.5°	1236.7	1256.8	1337.2	1417.6	1337.2	1256.8	1236.7	1102.4	923.2	833.7	781.5
135°	1164.5	1181.9	1251.2	1320.5	1251.2	1181.9	1164.5	1052.1	902.1	827.1	780.8
137.5°	1111.3	1125.4	1182.2	1238.9	1182.2	1125.4	1111.3	1016.2	889.3	825.9	785.6
140°	1068.6	1081.8	1134.9	1187.9	1134.9	1081.8	1068.6	986.4	876.9	822.1	786.4
142.5°	1038.6	1049.9	1095.6	1141.3	1095.6	1049.9	1038.6	966.4	870.2	822.1	789.3
145°	993.6	1002.2	1036.8	1071.3	1036.8	1002.2	993.6	934.6	855.9	816.5	789.3
147.5°	955.8	963.0	991.6	1020.2	991.6	963.0	955.8	909.4	847.5	816.5	794.7
150°	934.2	940.0	963.2	986.4	963.2	940.0	934.2	895.0	842.7	816.5	797.5
152.5°	917.0	921.4	938.8	956.4	938.8	921.4	917.0	883.5	838.8	816.5	799.3
155°	896.5	899.3	911.0	922.5	911.0	899.3	896.5	869.8	834.3	816.5	803.5
157.5°	878.7	880.7	888.9	897.0	888.9	880.7	878.7	858.0	830.3	816.5	807.5
160°	869.8	871.0	875.7	880.4	875.7	871.0	869.8	852.1	828.3	816.5	809.4
162.5°	861.5	862.5	867.0	871.5	867.0	862.5	861.5	846.5	826.6	816.5	811.3
165°	848.8	849.9	854.6	859.2	854.6	849.9	848.8	838.0	823.7	816.5	814.2
167.5°	843.2	843.7	845.6	847.6	845.6	843.7	843.2	836.1	826.7	822.1	820.1
170°	843.2	843.2	843.2	843.2	843.2	843.2	843.2	836.1	826.7	822.1	822.0
172.5°	838.7	838.3	836.6	834.9	836.6	838.3	838.7	833.2	825.7	822.1	822.1
175°	832.6	832.6	832.6	832.6	832.6	832.6	832.6	829.1	824.4	822.1	823.1
177.5°	831.5	831.0	829.1	827.1	829.1	831.0	831.5	828.7	825.0	823.1	824.0
180°	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3202.7	3202.7	3202.7	3202.7	3202.7
2.5°	3163.3	3178.4	3187.6	3199.7	3229.9
5°	3042.1	3099.7	3117.8	3163.3	3217.8
7.5°	2775.5	2951.2	2999.7	3108.8	3193.6
10°	2517.9	2693.6	2778.5	3036.0	3163.3
12.5°	2387.6	2490.7	2548.2	2908.8	3120.9
15°	2305.8	2378.6	2420.9	2739.1	3072.4
17.5°	2242.2	2293.7	2324.0	2572.5	3005.7
20°	2202.8	2227.0	2254.3	2451.3	2930.0
22.5°	2175.5	2160.4	2181.6	2366.4	2826.9
25°	2157.3	2099.8	2124.0	2299.8	2705.8
27.5°	2172.5	2045.3	2054.3	2239.2	2578.5
30°	2175.5	1978.5	1981.6	2175.5	2436.1
32.5°	2154.3	1908.9	1911.9	2096.7	2275.5
35°	2102.8	1827.1	1824.0	2005.9	2057.3
37.5°	2033.1	1739.2	1739.2	1905.9	1818.0
40°	1948.3	1651.3	1660.4	1775.6	1605.9
42.5°	1845.2	1557.4	1569.6	1602.9	1448.3
45°	1733.1	1466.5	1475.6	1354.4	1327.1
47.5°	1609.0	1372.6	1375.6	1124.2	1287.7
50°	1460.4	1275.6	1263.5	963.5	1284.7
52.5°	1330.2	1169.5	1133.2	872.7	1166.5
55°	1202.9	1057.5	978.7	802.9	1081.7
57.5°	1090.8	912.1	836.3	721.2	1063.5
60°	987.8	769.6	712.0	633.3	975.6
62.5°	902.9	663.6	651.4	572.6	884.7
65°	812.0	590.8	587.8	521.2	751.4
67.5°	724.1	542.4	539.3	472.6	572.6
70°	630.2	490.9	484.8	421.2	424.2
72.5°	533.2	433.3	427.2	378.7	351.5
75°	436.3	366.6	363.6	330.3	284.8
77.5°	342.4	290.9	297.0	266.6	209.1
80°	245.4	212.1	218.2	190.9	157.6
82.5°	163.7	139.4	145.4	121.2	106.0
85°	90.9	78.8	81.8	63.7	48.4
87.5°	42.4	36.3	36.3	24.3	15.1
90°	24.4	15.6	14.5	10.0	5.6
92.5°	150.7	107.2	97.8	60.0	22.2
95°	370.6	208.7	191.4	122.4	53.3
97.5°	499.2	229.3	214.1	153.1	92.1
100°	546.1	246.5	232.7	177.4	122.1
102.5°	567.4	263.7	250.8	199.2	147.6
105°	583.4	289.2	278.3	234.7	191.0
107.5°	586.3	327.0	316.8	276.1	235.4
110°	581.9	348.0	338.8	302.1	265.4



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	582.0	373.5	364.8	329.7	294.7
115°	587.4	411.8	403.8	371.5	339.1
117.5°	598.4	449.1	441.7	412.4	383.0
120°	607.2	470.7	463.8	436.1	408.5
122.5°	620.0	496.3	489.3	461.4	433.5
125°	637.2	529.0	522.6	497.3	471.8
127.5°	654.5	560.6	554.2	528.6	502.9
130°	667.0	581.7	574.8	547.1	519.5
132.5°	677.2	599.0	592.1	564.4	536.7
135°	688.3	618.9	612.7	587.4	562.3
137.5°	705.0	644.4	638.2	613.3	588.4
140°	715.1	661.6	655.9	633.0	610.1
142.5°	723.7	674.4	669.2	647.9	626.7
145°	734.8	693.9	689.2	670.8	652.2
147.5°	751.1	718.3	713.8	695.7	677.8
150°	759.5	731.0	727.0	710.7	694.4
152.5°	765.0	739.3	736.3	723.9	711.6
155°	777.3	757.7	755.4	746.2	737.1
157.5°	789.5	776.0	773.7	764.9	756.0
160°	795.0	784.3	782.6	775.7	768.8
162.5°	801.0	793.2	791.9	786.7	781.5
165°	809.5	806.0	804.8	800.1	795.4
167.5°	816.2	813.2	812.7	810.4	808.2
170°	821.7	821.5	821.0	818.8	816.5
172.5°	822.1	822.1	822.0	821.4	821.0
175°	825.4	827.1	827.1	827.1	827.1
177.5°	825.7	827.1	827.1	827.1	827.1
180°	827.1	827.1	827.1	827.1	827.1



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	15.12	16.09	15.98	16.97	18.08	17.96	18.93	18.82	19.81	20.92
	3H	15.61	16.47	16.48	17.36	18.50	19.32	20.18	20.19	21.07	22.21
	4H	15.80	16.62	16.69	17.52	18.66	19.77	20.59	20.65	21.48	22.63
	6H	15.93	16.68	16.83	17.59	18.74	20.06	20.81	20.96	21.72	22.88
	8H	15.93	16.65	16.84	17.57	18.73	20.14	20.86	21.04	21.78	22.94
	12H	15.91	16.59	16.82	17.51	18.69	20.18	20.87	21.09	21.78	22.96
4H	2H	16.17	16.99	17.06	17.89	19.03	18.38	19.20	19.27	20.10	21.24
	3H	17.21	17.89	18.11	18.82	19.98	19.90	20.58	20.80	21.51	22.67
	4H	17.49	18.11	18.40	19.03	20.22	20.43	21.06	21.35	21.98	23.17
	6H	17.62	18.16	18.55	19.10	20.29	20.81	21.34	21.74	22.29	23.48
	8H	17.63	18.13	18.56	19.07	20.27	20.92	21.42	21.85	22.36	23.56
	12H	17.60	18.05	18.55	19.01	20.22	20.98	21.43	21.93	22.39	23.60
8H	4H	17.95	18.45	18.88	19.39	20.59	20.57	21.07	21.50	22.01	23.21
	6H	18.22	18.63	19.17	19.61	20.81	21.01	21.42	21.97	22.41	23.61
	8H	18.26	18.63	19.23	19.60	20.82	21.16	21.53	22.13	22.50	23.72
	12H	18.25	18.57	19.22	19.54	20.80	21.27	21.59	22.24	22.56	23.82
12H	4H	17.96	18.41	18.91	19.37	20.58	20.54	20.99	21.49	21.95	23.15
	6H	18.28	18.65	19.25	19.62	20.84	21.01	21.38	21.97	22.35	23.57
	8H	18.35	18.67	19.32	19.64	20.91	21.18	21.50	22.15	22.46	23.73