

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: P934947

Luminaire Tested: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-5000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934947
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-92765-1D-UNV-STD-W-8-5000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

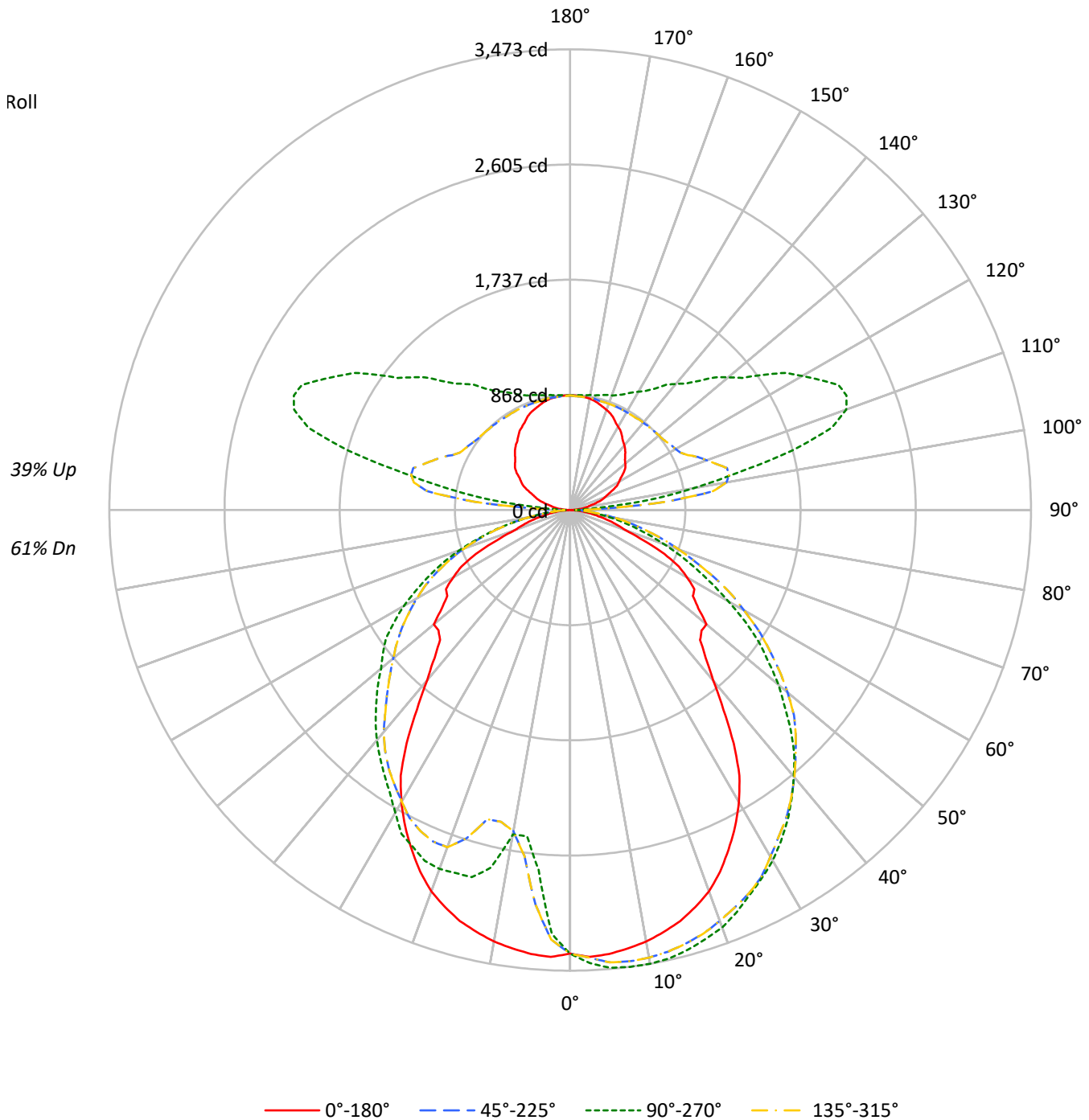
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14270.2 lumens
Efficiency: N/A
Efficacy: 115.1 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°	15513	15513	15513	15513
5°	15629	15660	15629	12313
10°	15524	15425	15524	11028
15°	15356	15091	15356	12602
20°	15035	14695	15035	12628
25°	14378	14118	14378	12360
30°	13528	13639	13528	11773
35°	12060	13032	12060	11127
40°	10049	12319	10049	10639
45°	8979	11483	8979	10078
50°	9539	10486	9539	9516
55°	8975	9413	8975	9190
60°	9251	7994	9251	8417
65°	8388	6608	8388	7387
70°	5809	5266	5809	6192
75°	5092	3893	5092	4662
80°	4104	2574	4104	2802
85°	2357	1364	2357	1159

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13761 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.8	2.1
10°-20°	856.9	6.0
20°-30°	1324.7	9.3
30°-40°	1581.4	11.1
40°-50°	1590.7	11.1
50°-60°	1384.1	9.7
60°-70°	981.3	6.9
70°-80°	519.2	3.6
80°-90°	132.6	0.9
90°-100°	420.9	2.9
100°-110°	1106.5	7.8
110°-120°	1147.4	8.0
120°-130°	920.3	6.4
130°-140°	722.1	5.1
140°-150°	554.3	3.9
150°-160°	399.2	2.8
160°-170°	244.2	1.7
170°-180°	82.5	0.6
0°-30°	2483.5	17.4
0°-40°	4064.9	28.5
0°-60°	7039.6	49.3
0°-90°	8672.7	60.8
90°-120°	2674.8	18.7
90°-150°	4871.6	34.1
90°-180°	5597.0	39.2
0°-180°	14270.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3344	3344	3344	3344	3344	
5°	3359	3464	3359	2724	3359	319
15°	3208	3432	3208	2866	3208	902
25°	2825	3201	2825	2803	2825	1297
35°	2148	2856	2148	2439	2148	1329
45°	1386	2354	1386	2066	1386	1110
55°	1129	1737	1129	1696	1129	1038
65°	784	1047	784	1170	784	750
75°	297	497	297	595	297	313
85°	51	127	51	108	51	68
90°	6	22	6	22	6	7
95°	56	254	56	254	56	62
105°	199	1733	199	1733	199	211
115°	354	2231	354	2231	354	350
125°	493	1777	493	1777	493	437
135°	587	1379	587	1379	587	454
145°	681	1118	681	1118	681	427
155°	770	963	770	963	770	354
165°	830	897	830	897	830	234
175°	864	869	864	869	864	82
180°	864	864	864	864	864	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6
2.5°	3372.0	3372.0	3391.0	3397.4	3397.4	3387.9	3378.4	3387.9	3416.4	3425.9	3422.7
5°	3359.4	3384.8	3419.5	3425.9	3432.1	3429.1	3422.7	3429.1	3460.7	3467.0	3470.2
7.5°	3334.1	3381.6	3425.9	3435.3	3444.9	3435.3	3432.1	3438.5	3470.2	3476.5	3476.5
10°	3302.5	3369.0	3419.5	3425.9	3435.3	3425.9	3425.9	3438.5	3470.2	3476.5	3479.6
12.5°	3258.2	3349.9	3397.4	3403.7	3416.4	3413.2	3410.1	3422.7	3454.3	3460.7	3460.7
15°	3207.6	3315.1	3359.4	3365.8	3387.9	3381.6	3381.6	3394.2	3429.1	3438.5	3435.3
17.5°	3138.0	3270.8	3321.5	3330.9	3346.8	3343.6	3346.8	3359.4	3391.0	3397.4	3400.6
20°	3058.9	3210.7	3270.8	3280.4	3296.1	3296.1	3296.1	3311.9	3343.6	3356.2	3356.2
22.5°	2951.3	3147.5	3210.7	3217.1	3236.0	3236.0	3242.4	3264.6	3293.0	3296.1	3296.1
25°	2824.9	3077.9	3131.6	3150.6	3169.6	3179.1	3188.7	3201.3	3210.7	3207.6	3210.7
27.5°	2692.0	2989.3	3058.9	3071.5	3096.9	3106.4	3119.0	3122.2	3125.4	3134.8	3128.5
30°	2543.3	2866.0	2970.3	2983.0	3024.1	3030.4	3017.8	3024.1	3039.9	3046.3	3052.6
32.5°	2375.6	2682.5	2878.6	2907.1	2945.1	2926.1	2922.9	2932.4	2957.7	2957.7	2964.0
35°	2147.9	2540.2	2793.2	2818.5	2846.9	2824.9	2837.5	2840.7	2856.5	2866.0	2862.8
37.5°	1898.0	2416.8	2704.7	2723.6	2745.8	2717.3	2736.3	2745.8	2758.4	2752.1	2752.1
40°	1676.6	2223.8	2600.3	2612.9	2631.9	2609.7	2628.7	2635.0	2641.4	2635.0	2631.9
42.5°	1512.1	2011.9	2489.5	2505.3	2492.7	2508.5	2514.8	2527.4	2518.0	2505.3	2505.3
45°	1385.5	1954.9	2369.3	2388.3	2369.3	2394.6	2404.2	2404.2	2375.6	2369.3	2366.1
47.5°	1344.4	1841.0	2249.1	2249.1	2239.6	2271.2	2287.0	2264.9	2236.5	2226.9	2226.9
50°	1341.2	1714.5	2084.6	2072.0	2116.3	2154.2	2138.4	2116.3	2094.1	2059.3	2059.3
52.5°	1217.8	1559.5	1872.7	1920.2	1989.7	2011.9	1986.5	1964.4	1926.4	1910.6	1898.0
55°	1129.3	1398.2	1679.8	1774.6	1847.4	1875.9	1828.4	1806.2	1749.3	1739.9	1733.5
57.5°	1110.3	1164.1	1502.5	1622.7	1711.4	1708.2	1679.8	1638.6	1591.2	1581.6	1578.5
60°	1018.5	841.4	1312.8	1455.2	1546.8	1537.4	1512.1	1474.1	1429.8	1423.5	1417.2
62.5°	923.7	610.5	1097.6	1259.0	1388.7	1385.5	1363.4	1306.4	1274.8	1259.0	1246.3
65°	784.5	512.5	781.3	1047.1	1233.7	1240.0	1192.6	1151.5	1116.6	1097.6	1094.5
67.5°	597.8	417.5	528.3	873.1	1085.0	1078.7	1018.5	999.6	955.4	945.8	926.9
70°	442.9	278.4	367.0	708.6	939.5	923.7	876.2	854.1	813.0	790.9	778.1
72.5°	367.0	224.6	268.9	550.4	790.9	771.9	730.8	705.4	670.7	651.7	639.0
75°	297.3	237.2	205.6	408.1	642.1	629.5	591.6	566.2	537.7	512.5	515.6
77.5°	218.3	221.4	164.5	300.5	509.3	490.3	468.2	436.5	423.9	398.6	398.6
80°	164.5	173.9	123.4	205.6	367.0	367.0	348.0	325.8	303.7	291.1	291.1
82.5°	110.7	110.7	91.7	129.7	249.9	240.4	227.8	221.4	208.8	202.5	202.5
85°	50.6	63.3	56.9	79.1	136.0	142.4	142.4	136.0	132.8	126.6	129.7
87.5°	15.8	28.5	34.8	44.3	69.6	72.7	75.9	75.9	75.9	79.1	79.1
90°	5.8	10.5	15.1	16.3	25.5	37.9	44.0	39.2	29.3	22.1	22.1
92.5°	23.2	62.6	102.1	111.9	157.3	217.8	248.1	217.4	156.1	110.1	105.7
95°	55.6	127.8	199.8	217.9	386.9	612.2	725.0	646.9	490.8	373.8	360.5
97.5°	96.2	159.8	223.5	239.4	521.2	896.9	1084.8	1035.5	936.9	862.9	837.7
100°	127.5	185.2	242.9	257.3	570.1	987.0	1195.5	1199.1	1206.3	1211.8	1181.7
102.5°	154.1	208.0	261.8	275.3	592.4	1015.4	1226.8	1289.6	1415.3	1509.6	1483.8
105°	199.4	245.0	290.5	301.9	609.1	1018.5	1223.3	1364.2	1645.9	1857.3	1843.4
107.5°	245.7	288.3	330.7	341.4	612.1	973.2	1153.8	1350.3	1743.3	2038.1	2041.5
110°	277.0	315.4	353.7	363.3	607.5	933.0	1095.8	1315.5	1754.9	2084.5	2098.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	307.7	344.3	380.8	390.0	607.7	898.0	1043.1	1268.0	1717.7	2055.0	2077.1
115°	354.1	387.8	421.6	430.0	613.3	857.7	979.9	1196.5	1629.8	1954.7	1985.4
117.5°	399.9	430.5	461.2	468.8	624.8	832.5	936.5	1131.9	1522.9	1816.1	1850.2
120°	426.5	455.3	484.2	491.4	633.9	824.0	919.1	1097.7	1455.0	1722.9	1755.9
122.5°	452.6	481.7	510.8	518.1	647.3	819.6	905.7	1066.6	1388.3	1629.6	1662.2
125°	492.6	519.1	545.6	552.2	665.2	815.9	891.2	1027.9	1301.1	1506.1	1536.2
127.5°	525.0	551.9	578.6	585.3	683.3	813.8	879.1	996.4	1231.0	1407.0	1432.3
130°	542.4	571.2	600.1	607.3	696.4	815.2	874.5	978.9	1187.8	1344.5	1367.9
132.5°	560.4	589.2	618.1	625.3	707.0	815.9	870.4	963.9	1150.9	1291.1	1312.1
135°	587.0	613.3	639.6	646.2	718.6	815.2	863.5	941.8	1098.4	1215.8	1233.9
137.5°	614.3	640.3	666.3	672.8	736.0	820.2	862.3	928.4	1060.9	1160.2	1174.9
140°	636.9	660.8	684.8	690.7	746.5	821.0	858.2	915.5	1029.8	1115.6	1129.4
142.5°	654.3	676.4	698.6	704.1	755.5	824.0	858.2	908.4	1008.9	1084.3	1096.1
145°	680.9	700.3	719.5	724.4	767.1	824.0	852.5	893.6	975.7	1037.3	1046.3
147.5°	707.6	726.4	745.2	749.9	784.1	829.6	852.5	884.8	949.4	997.9	1005.4
150°	725.0	742.0	759.0	763.2	792.9	832.6	852.5	879.7	934.3	975.3	981.3
152.5°	742.9	755.8	768.7	771.9	798.7	834.5	852.5	875.7	922.4	957.3	961.9
155°	769.5	779.1	788.6	791.0	811.5	838.8	852.5	871.0	908.1	935.9	938.9
157.5°	789.3	798.5	807.8	810.1	824.2	843.0	852.5	866.8	895.7	917.3	919.5
160°	802.6	809.8	817.0	818.8	830.0	845.0	852.5	864.8	889.6	908.1	909.3
162.5°	815.9	821.3	826.7	828.1	836.3	847.0	852.5	862.9	883.8	899.4	900.5
165°	830.4	835.3	840.2	841.4	845.1	850.0	852.5	859.9	874.9	886.1	887.3
167.5°	843.8	846.1	848.4	849.0	852.1	856.2	858.2	863.1	872.9	880.3	880.8
170°	852.5	854.8	857.1	857.7	857.9	858.2	858.2	863.1	872.9	880.3	880.3
172.5°	857.1	857.6	858.2	858.2	858.2	858.2	858.2	862.1	869.8	875.6	875.2
175°	863.5	863.5	863.5	863.5	861.7	859.4	858.2	860.7	865.6	869.3	869.3
177.5°	863.5	863.5	863.5	863.5	862.1	860.3	859.4	861.3	865.2	868.1	867.6
180°	863.5	863.5	863.5	863.5	863.5	863.5	863.5	863.5	863.5	863.5	863.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6
2.5°	3429.1	3419.5	3429.1	3422.7	3425.9	3416.4	3387.9	3378.4	3387.9	3397.4	3397.4
5°	3470.2	3463.8	3470.2	3470.2	3467.0	3460.7	3429.1	3422.7	3429.1	3432.1	3425.9
7.5°	3482.8	3473.3	3482.8	3476.5	3476.5	3470.2	3438.5	3432.1	3435.3	3444.9	3435.3
10°	3482.8	3473.3	3482.8	3479.6	3476.5	3470.2	3438.5	3425.9	3425.9	3435.3	3425.9
12.5°	3467.0	3460.7	3467.0	3460.7	3460.7	3454.3	3422.7	3410.1	3413.2	3416.4	3403.7
15°	3441.7	3432.1	3441.7	3435.3	3438.5	3429.1	3394.2	3381.6	3381.6	3387.9	3365.8
17.5°	3403.7	3391.0	3403.7	3400.6	3397.4	3391.0	3359.4	3346.8	3343.6	3346.8	3330.9
20°	3359.4	3349.9	3359.4	3356.2	3356.2	3343.6	3311.9	3296.1	3296.1	3296.1	3280.4
22.5°	3289.8	3280.4	3289.8	3296.1	3296.1	3293.0	3264.6	3242.4	3236.0	3236.0	3217.1
25°	3210.7	3201.3	3210.7	3210.7	3207.6	3210.7	3201.3	3188.7	3179.1	3169.6	3150.6
27.5°	3134.8	3128.5	3134.8	3128.5	3134.8	3125.4	3122.2	3119.0	3106.4	3096.9	3071.5
30°	3058.9	3052.6	3058.9	3052.6	3046.3	3039.9	3024.1	3017.8	3030.4	3024.1	2983.0
32.5°	2964.0	2957.7	2964.0	2964.0	2957.7	2957.7	2932.4	2922.9	2926.1	2945.1	2907.1
35°	2866.0	2856.5	2866.0	2862.8	2866.0	2856.5	2840.7	2837.5	2824.9	2846.9	2818.5
37.5°	2752.1	2742.6	2752.1	2752.1	2752.1	2758.4	2745.8	2736.3	2717.3	2745.8	2723.6
40°	2635.0	2622.4	2635.0	2631.9	2635.0	2641.4	2635.0	2628.7	2609.7	2631.9	2612.9
42.5°	2502.2	2499.0	2502.2	2505.3	2505.3	2518.0	2527.4	2514.8	2508.5	2492.7	2505.3
45°	2359.9	2353.5	2359.9	2366.1	2369.3	2375.6	2404.2	2404.2	2394.6	2369.3	2388.3
47.5°	2208.0	2192.2	2208.0	2226.9	2226.9	2236.5	2264.9	2287.0	2271.2	2239.6	2249.1
50°	2046.6	2049.8	2046.6	2059.3	2059.3	2094.1	2116.3	2138.4	2154.2	2116.3	2072.0
52.5°	1888.5	1885.3	1888.5	1898.0	1910.6	1926.4	1964.4	1986.5	2011.9	1989.7	1920.2
55°	1730.3	1736.7	1730.3	1733.5	1739.9	1749.3	1806.2	1828.4	1875.9	1847.4	1774.6
57.5°	1572.2	1562.6	1572.2	1578.5	1581.6	1591.2	1638.6	1679.8	1708.2	1711.4	1622.7
60°	1388.7	1376.1	1388.7	1417.2	1423.5	1429.8	1474.1	1512.1	1537.4	1546.8	1455.2
62.5°	1227.4	1205.2	1227.4	1246.3	1259.0	1274.8	1306.4	1363.4	1385.5	1388.7	1259.0
65°	1056.5	1047.1	1056.5	1094.5	1097.6	1116.6	1151.5	1192.6	1240.0	1233.7	1047.1
67.5°	901.5	901.5	901.5	926.9	945.8	955.4	999.6	1018.5	1078.7	1085.0	873.1
70°	759.2	756.0	759.2	778.1	790.9	813.0	854.1	876.2	923.7	939.5	708.6
72.5°	623.2	620.0	623.2	639.0	651.7	670.7	705.4	730.8	771.9	790.9	550.4
75°	503.0	496.6	503.0	515.6	512.5	537.7	566.2	591.6	629.5	642.1	408.1
77.5°	385.9	385.9	385.9	398.6	398.6	423.9	436.5	468.2	490.3	509.3	300.5
80°	287.9	284.7	287.9	291.1	291.1	303.7	325.8	348.0	367.0	367.0	205.6
82.5°	202.5	196.1	202.5	202.5	202.5	208.8	221.4	227.8	240.4	249.9	129.7
85°	126.6	126.6	126.6	129.7	126.6	132.8	136.0	142.4	142.4	136.0	79.1
87.5°	82.3	79.1	82.3	79.1	79.1	75.9	75.9	75.9	72.7	69.6	44.3
90°	22.1	22.1	22.1	22.1	22.1	29.3	39.2	44.0	37.9	25.5	16.3
92.5°	88.2	70.7	88.2	105.7	110.1	156.1	217.4	248.1	217.8	157.3	111.9
95°	307.5	254.4	307.5	360.5	373.8	490.8	646.9	725.0	612.2	386.9	217.9
97.5°	736.6	635.7	736.6	837.7	862.9	936.9	1035.5	1084.8	896.9	521.2	239.4
100°	1061.5	941.2	1061.5	1181.7	1211.8	1206.3	1199.1	1195.5	987.0	570.1	257.3
102.5°	1380.8	1277.8	1380.8	1483.8	1509.6	1415.3	1289.6	1226.8	1015.4	592.4	275.3
105°	1788.0	1732.7	1788.0	1843.4	1857.3	1645.9	1364.2	1223.3	1018.5	609.1	301.9
107.5°	2054.9	2068.2	2054.9	2041.5	2038.1	1743.3	1350.3	1153.8	973.2	612.1	341.4
110°	2156.6	2214.3	2156.6	2098.9	2084.5	1754.9	1315.5	1095.8	933.0	607.5	363.3



TEST NUMBER: P934947

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2165.6	2254.2	2165.6	2077.1	2055.0	1717.7	1268.0	1043.1	898.0	607.7	390.0
115°	2108.2	2231.0	2108.2	1985.4	1954.7	1629.8	1196.5	979.9	857.7	613.3	430.0
117.5°	1986.4	2122.7	1986.4	1850.2	1816.1	1522.9	1131.9	936.5	832.5	624.8	468.8
120°	1888.4	2020.7	1888.4	1755.9	1722.9	1455.0	1097.7	919.1	824.0	633.9	491.4
122.5°	1792.8	1923.3	1792.8	1662.2	1629.6	1388.3	1066.6	905.7	819.6	647.3	518.1
125°	1656.5	1776.8	1656.5	1536.2	1506.1	1301.1	1027.9	891.2	815.9	665.2	552.2
127.5°	1533.9	1635.4	1533.9	1432.3	1407.0	1231.0	996.4	879.1	813.8	683.3	585.3
130°	1461.6	1555.4	1461.6	1367.9	1344.5	1187.8	978.9	874.5	815.2	696.4	607.3
132.5°	1396.1	1480.0	1396.1	1312.1	1291.1	1150.9	963.9	870.4	815.9	707.0	625.3
135°	1306.3	1378.6	1306.3	1233.9	1215.8	1098.4	941.8	863.5	815.2	718.6	646.2
137.5°	1234.2	1293.4	1234.2	1174.9	1160.2	1060.9	928.4	862.3	820.2	736.0	672.8
140°	1184.8	1240.2	1184.8	1129.4	1115.6	1029.8	915.5	858.2	821.0	746.5	690.7
142.5°	1143.8	1191.5	1143.8	1096.1	1084.3	1008.9	908.4	858.2	824.0	755.5	704.1
145°	1082.4	1118.5	1082.4	1046.3	1037.3	975.7	893.6	852.5	824.0	767.1	724.4
147.5°	1035.2	1065.1	1035.2	1005.4	997.9	949.4	884.8	852.5	829.6	784.1	749.9
150°	1005.6	1029.8	1005.6	981.3	975.3	934.3	879.7	852.5	832.6	792.9	763.2
152.5°	980.1	998.5	980.1	961.9	957.3	922.4	875.7	852.5	834.5	798.7	771.9
155°	951.1	963.1	951.1	938.9	935.9	908.1	871.0	852.5	838.8	811.5	791.0
157.5°	928.0	936.5	928.0	919.5	917.3	895.7	866.8	852.5	843.0	824.2	810.1
160°	914.2	919.1	914.2	909.3	908.1	889.6	864.8	852.5	845.0	830.0	818.8
162.5°	905.2	909.8	905.2	900.5	899.4	883.8	862.9	852.5	847.0	836.3	828.1
165°	892.2	897.0	892.2	887.3	886.1	874.9	859.9	852.5	850.0	845.1	841.4
167.5°	882.8	884.9	882.8	880.8	880.3	872.9	863.1	858.2	856.2	852.1	849.0
170°	880.3	880.3	880.3	880.3	880.3	872.9	863.1	858.2	858.2	857.9	857.7
172.5°	873.4	871.6	873.4	875.2	875.6	869.8	862.1	858.2	858.2	858.2	858.2
175°	869.3	869.3	869.3	869.3	869.3	865.6	860.7	858.2	859.4	861.7	863.5
177.5°	865.5	863.5	865.5	867.6	868.1	865.2	861.3	859.4	860.3	862.1	863.5
180°	863.5	863.5	863.5	863.5	863.5	863.5	863.5	863.5	863.5	863.5	863.5



TEST NUMBER: P934947

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6
2.5°	3391.0	3372.0	3372.0	3340.5	3327.8	3318.3	3302.5	3255.0	3242.4	3229.7	3248.8
5°	3419.5	3384.8	3359.4	3302.5	3255.0	3236.0	3175.9	3062.1	2986.2	2929.2	2897.6
7.5°	3425.9	3381.6	3334.1	3245.6	3131.6	3081.1	2897.6	2688.8	2631.9	2581.3	2549.6
10°	3419.5	3369.0	3302.5	3169.6	2900.8	2812.2	2628.7	2492.7	2457.9	2448.4	2457.9
12.5°	3397.4	3349.9	3258.2	3036.8	2660.4	2600.3	2492.7	2413.6	2407.2	2423.1	2508.5
15°	3359.4	3315.1	3207.6	2859.6	2527.4	2483.2	2407.2	2378.8	2413.6	2524.4	2780.6
17.5°	3321.5	3270.8	3138.0	2685.7	2426.2	2394.6	2340.9	2397.8	2593.9	2742.6	2828.0
20°	3270.8	3210.7	3058.9	2559.1	2353.5	2325.0	2299.8	2556.0	2704.7	2758.4	2805.9
22.5°	3210.7	3147.5	2951.3	2470.5	2277.6	2255.4	2271.2	2644.6	2704.7	2742.6	2783.7
25°	3131.6	3077.9	2824.9	2401.0	2217.5	2192.2	2252.3	2635.0	2669.8	2679.3	2761.6
27.5°	3058.9	2989.3	2692.0	2337.7	2144.7	2135.2	2268.1	2593.9	2619.2	2628.7	2717.3
30°	2970.3	2866.0	2543.3	2271.2	2068.8	2065.6	2271.2	2543.3	2537.0	2562.3	2650.8
32.5°	2878.6	2682.5	2375.6	2189.0	1996.1	1992.9	2249.1	2467.3	2461.1	2495.9	2562.3
35°	2793.2	2540.2	2147.9	2094.1	1904.3	1907.5	2195.3	2378.8	2382.0	2413.6	2454.7
37.5°	2704.7	2416.8	1898.0	1989.7	1815.8	1815.8	2122.5	2296.6	2290.2	2299.8	2356.7
40°	2600.3	2223.8	1676.6	1853.7	1733.5	1724.0	2034.0	2208.0	2185.8	2182.7	2261.8
42.5°	2489.5	2011.9	1512.1	1673.4	1638.6	1625.9	1926.4	2100.5	2059.3	2068.8	2170.0
45°	2369.3	1954.9	1385.5	1414.0	1540.5	1531.0	1809.4	1977.1	1948.6	1973.9	2078.3
47.5°	2249.1	1841.0	1344.4	1173.6	1436.2	1433.0	1679.8	1856.9	1841.0	1866.3	1977.1
50°	2084.6	1714.5	1341.2	1005.9	1319.1	1331.8	1524.7	1739.9	1739.9	1761.9	1879.0
52.5°	1872.7	1559.5	1217.8	911.1	1183.1	1221.0	1388.7	1638.6	1644.9	1667.0	1771.5
55°	1679.8	1398.2	1129.3	838.2	1021.7	1104.0	1255.9	1534.2	1546.8	1569.0	1663.9
57.5°	1502.5	1164.1	1110.3	752.9	873.1	952.2	1138.8	1433.0	1439.3	1458.3	1550.0
60°	1312.8	841.4	1018.5	661.1	743.4	803.5	1031.3	1312.8	1334.9	1347.6	1426.6
62.5°	1097.6	610.5	923.7	597.8	680.1	692.8	942.7	1198.9	1227.4	1236.9	1284.3
65°	781.3	512.5	784.5	544.1	613.6	616.8	847.8	1081.8	1107.2	1123.0	1157.7
67.5°	528.3	417.5	597.8	493.4	563.1	566.2	756.0	945.8	980.6	993.3	1015.5
70°	367.0	278.4	442.9	439.7	506.1	512.5	657.9	822.4	854.1	863.6	876.2
72.5°	268.9	224.6	367.0	395.4	446.0	452.4	556.7	683.3	714.9	724.4	730.8
75°	205.6	237.2	297.3	344.8	379.6	382.8	455.5	556.7	578.9	585.2	588.4
77.5°	164.5	221.4	218.3	278.4	310.0	303.7	357.4	430.2	449.2	449.2	449.2
80°	123.4	173.9	164.5	199.3	227.8	221.4	256.2	306.9	313.1	319.5	316.3
82.5°	91.7	110.7	110.7	126.6	151.8	145.5	170.9	199.3	199.3	199.3	205.6
85°	56.9	63.3	50.6	66.5	85.4	82.3	94.9	107.6	110.7	110.7	104.4
87.5°	34.8	28.5	15.8	25.3	37.9	37.9	44.3	47.5	44.3	44.3	44.3
90°	15.1	10.5	5.8	10.5	15.1	16.3	25.5	37.9	44.0	39.2	29.3
92.5°	102.1	62.6	23.2	62.6	102.1	111.9	157.3	217.8	248.1	217.4	156.1
95°	199.8	127.8	55.6	127.8	199.8	217.9	386.9	612.2	725.0	646.9	490.8
97.5°	223.5	159.8	96.2	159.8	223.5	239.4	521.2	896.9	1084.8	1035.5	936.9
100°	242.9	185.2	127.5	185.2	242.9	257.3	570.1	987.0	1195.5	1199.1	1206.3
102.5°	261.8	208.0	154.1	208.0	261.8	275.3	592.4	1015.4	1226.8	1289.6	1415.3
105°	290.5	245.0	199.4	245.0	290.5	301.9	609.1	1018.5	1223.3	1364.2	1645.9
107.5°	330.7	288.3	245.7	288.3	330.7	341.4	612.1	973.2	1153.8	1350.3	1743.3
110°	353.7	315.4	277.0	315.4	353.7	363.3	607.5	933.0	1095.8	1315.5	1754.9



TEST NUMBER: P934947

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	380.8	344.3	307.7	344.3	380.8	390.0	607.7	898.0	1043.1	1268.0	1717.7
115°	421.6	387.8	354.1	387.8	421.6	430.0	613.3	857.7	979.9	1196.5	1629.8
117.5°	461.2	430.5	399.9	430.5	461.2	468.8	624.8	832.5	936.5	1131.9	1522.9
120°	484.2	455.3	426.5	455.3	484.2	491.4	633.9	824.0	919.1	1097.7	1455.0
122.5°	510.8	481.7	452.6	481.7	510.8	518.1	647.3	819.6	905.7	1066.6	1388.3
125°	545.6	519.1	492.6	519.1	545.6	552.2	665.2	815.9	891.2	1027.9	1301.1
127.5°	578.6	551.9	525.0	551.9	578.6	585.3	683.3	813.8	879.1	996.4	1231.0
130°	600.1	571.2	542.4	571.2	600.1	607.3	696.4	815.2	874.5	978.9	1187.8
132.5°	618.1	589.2	560.4	589.2	618.1	625.3	707.0	815.9	870.4	963.9	1150.9
135°	639.6	613.3	587.0	613.3	639.6	646.2	718.6	815.2	863.5	941.8	1098.4
137.5°	666.3	640.3	614.3	640.3	666.3	672.8	736.0	820.2	862.3	928.4	1060.9
140°	684.8	660.8	636.9	660.8	684.8	690.7	746.5	821.0	858.2	915.5	1029.8
142.5°	698.6	676.4	654.3	676.4	698.6	704.1	755.5	824.0	858.2	908.4	1008.9
145°	719.5	700.3	680.9	700.3	719.5	724.4	767.1	824.0	852.5	893.6	975.7
147.5°	745.2	726.4	707.6	726.4	745.2	749.9	784.1	829.6	852.5	884.8	949.4
150°	759.0	742.0	725.0	742.0	759.0	763.2	792.9	832.6	852.5	879.7	934.3
152.5°	768.7	755.8	742.9	755.8	768.7	771.9	798.7	834.5	852.5	875.7	922.4
155°	788.6	779.1	769.5	779.1	788.6	791.0	811.5	838.8	852.5	871.0	908.1
157.5°	807.8	798.5	789.3	798.5	807.8	810.1	824.2	843.0	852.5	866.8	895.7
160°	817.0	809.8	802.6	809.8	817.0	818.8	830.0	845.0	852.5	864.8	889.6
162.5°	826.7	821.3	815.9	821.3	826.7	828.1	836.3	847.0	852.5	862.9	883.8
165°	840.2	835.3	830.4	835.3	840.2	841.4	845.1	850.0	852.5	859.9	874.9
167.5°	848.4	846.1	843.8	846.1	848.4	849.0	852.1	856.2	858.2	863.1	872.9
170°	857.1	854.8	852.5	854.8	857.1	857.7	857.9	858.2	858.2	863.1	872.9
172.5°	858.2	857.6	857.1	857.6	858.2	858.2	858.2	858.2	858.2	862.1	869.8
175°	863.5	863.5	863.5	863.5	863.5	863.5	861.7	859.4	858.2	860.7	865.6
177.5°	863.5	863.5	863.5	863.5	863.5	863.5	862.1	860.3	859.4	861.3	865.2
180°	863.5	863.5	863.5	863.5	863.5	863.5	863.5	863.5	863.5	863.5	863.5



TEST NUMBER: P934947

CATALOG NUMBER: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-8-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6
2.5°	3226.6	3217.1	3229.7	3194.9	3229.7	3217.1	3226.6	3248.8	3229.7	3242.4	3255.0
5°	2831.1	2815.3	2764.8	2723.6	2764.8	2815.3	2831.1	2897.6	2929.2	2986.2	3062.1
7.5°	2530.6	2518.0	2505.3	2480.1	2505.3	2518.0	2530.6	2549.6	2581.3	2631.9	2688.8
10°	2464.3	2467.3	2486.3	2483.2	2486.3	2467.3	2464.3	2457.9	2448.4	2457.9	2492.7
12.5°	2635.0	2663.5	2767.9	2761.6	2767.9	2663.5	2635.0	2508.5	2423.1	2407.2	2413.6
15°	2831.1	2840.7	2862.8	2866.0	2862.8	2840.7	2831.1	2780.6	2524.4	2413.6	2378.8
17.5°	2850.1	2853.3	2869.1	2869.1	2869.1	2853.3	2850.1	2828.0	2742.6	2593.9	2397.8
20°	2834.3	2840.7	2872.3	2878.6	2872.3	2840.7	2834.3	2805.9	2758.4	2704.7	2556.0
22.5°	2828.0	2840.7	2866.0	2862.8	2866.0	2840.7	2828.0	2783.7	2742.6	2704.7	2644.6
25°	2796.4	2796.4	2799.5	2802.7	2799.5	2796.4	2796.4	2761.6	2679.3	2669.8	2635.0
27.5°	2729.9	2736.3	2755.2	2752.1	2755.2	2736.3	2729.9	2717.3	2628.7	2619.2	2593.9
30°	2669.8	2663.5	2647.6	2635.0	2647.6	2663.5	2669.8	2650.8	2562.3	2537.0	2543.3
32.5°	2568.6	2552.8	2537.0	2527.4	2537.0	2552.8	2568.6	2562.3	2495.9	2461.1	2467.3
35°	2448.4	2451.5	2448.4	2438.9	2448.4	2451.5	2448.4	2454.7	2413.6	2382.0	2378.8
37.5°	2363.0	2369.3	2366.1	2353.5	2366.1	2369.3	2363.0	2356.7	2299.8	2290.2	2296.6
40°	2274.4	2277.6	2274.4	2264.9	2274.4	2277.6	2274.4	2261.8	2182.7	2185.8	2208.0
42.5°	2189.0	2185.8	2176.4	2170.0	2176.4	2185.8	2189.0	2170.0	2068.8	2059.3	2100.5
45°	2090.9	2094.1	2075.1	2065.6	2075.1	2094.1	2090.9	2078.3	1973.9	1948.6	1977.1
47.5°	1992.9	1992.9	1977.1	1967.6	1977.1	1992.9	1992.9	1977.1	1866.3	1841.0	1856.9
50°	1888.5	1885.3	1863.1	1860.1	1863.1	1885.3	1888.5	1879.0	1761.9	1739.9	1739.9
52.5°	1768.3	1768.3	1771.5	1777.8	1771.5	1768.3	1768.3	1771.5	1667.0	1644.9	1638.6
55°	1663.9	1667.0	1689.2	1695.6	1689.2	1667.0	1663.9	1663.9	1569.0	1546.8	1534.2
57.5°	1556.4	1556.4	1572.2	1572.2	1572.2	1556.4	1556.4	1550.0	1458.3	1439.3	1433.0
60°	1433.0	1439.3	1452.0	1448.8	1452.0	1439.3	1433.0	1426.6	1347.6	1334.9	1312.8
62.5°	1303.3	1309.6	1312.8	1306.4	1312.8	1309.6	1303.3	1284.3	1236.9	1227.4	1198.9
65°	1167.3	1173.6	1176.8	1170.4	1176.8	1173.6	1167.3	1157.7	1123.0	1107.2	1081.8
67.5°	1028.1	1024.9	1021.7	1034.4	1021.7	1024.9	1028.1	1015.5	993.3	980.6	945.8
70°	885.7	885.7	882.5	888.9	882.5	885.7	885.7	876.2	863.6	854.1	822.4
72.5°	733.9	730.8	743.4	733.9	743.4	730.8	733.9	730.8	724.4	714.9	683.3
75°	585.2	591.6	585.2	594.7	585.2	591.6	585.2	588.4	585.2	578.9	556.7
77.5°	446.0	452.4	446.0	446.0	446.0	452.4	446.0	449.2	449.2	449.2	430.2
80°	316.3	313.1	313.1	310.0	313.1	313.1	316.3	316.3	319.5	313.1	306.9
82.5°	202.5	199.3	199.3	205.6	199.3	199.3	202.5	205.6	199.3	199.3	199.3
85°	110.7	113.8	107.6	107.6	107.6	113.8	110.7	104.4	110.7	110.7	107.6
87.5°	41.1	37.9	37.9	37.9	37.9	37.9	41.1	44.3	44.3	44.3	47.5
90°	22.1	22.1	22.1	22.1	22.1	22.1	22.1	29.3	39.2	44.0	37.9
92.5°	110.1	105.7	88.2	70.7	88.2	105.7	110.1	156.1	217.4	248.1	217.8
95°	373.8	360.5	307.5	254.4	307.5	360.5	373.8	490.8	646.9	725.0	612.2
97.5°	862.9	837.7	736.6	635.7	736.6	837.7	862.9	936.9	1035.5	1084.8	896.9
100°	1211.8	1181.7	1061.5	941.2	1061.5	1181.7	1211.8	1206.3	1199.1	1195.5	987.0
102.5°	1509.6	1483.8	1380.8	1277.8	1380.8	1483.8	1509.6	1415.3	1289.6	1226.8	1015.4
105°	1857.3	1843.4	1788.0	1732.7	1788.0	1843.4	1857.3	1645.9	1364.2	1223.3	1018.5
107.5°	2038.1	2041.5	2054.9	2068.2	2054.9	2041.5	2038.1	1743.3	1350.3	1153.8	973.2
110°	2084.5	2098.9	2156.6	2214.3	2156.6	2098.9	2084.5	1754.9	1315.5	1095.8	933.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2055.0	2077.1	2165.6	2254.2	2165.6	2077.1	2055.0	1717.7	1268.0	1043.1	898.0
115°	1954.7	1985.4	2108.2	2231.0	2108.2	1985.4	1954.7	1629.8	1196.5	979.9	857.7
117.5°	1816.1	1850.2	1986.4	2122.7	1986.4	1850.2	1816.1	1522.9	1131.9	936.5	832.5
120°	1722.9	1755.9	1888.4	2020.7	1888.4	1755.9	1722.9	1455.0	1097.7	919.1	824.0
122.5°	1629.6	1662.2	1792.8	1923.3	1792.8	1662.2	1629.6	1388.3	1066.6	905.7	819.6
125°	1506.1	1536.2	1656.5	1776.8	1656.5	1536.2	1506.1	1301.1	1027.9	891.2	815.9
127.5°	1407.0	1432.3	1533.9	1635.4	1533.9	1432.3	1407.0	1231.0	996.4	879.1	813.8
130°	1344.5	1367.9	1461.6	1555.4	1461.6	1367.9	1344.5	1187.8	978.9	874.5	815.2
132.5°	1291.1	1312.1	1396.1	1480.0	1396.1	1312.1	1291.1	1150.9	963.9	870.4	815.9
135°	1215.8	1233.9	1306.3	1378.6	1306.3	1233.9	1215.8	1098.4	941.8	863.5	815.2
137.5°	1160.2	1174.9	1234.2	1293.4	1234.2	1174.9	1160.2	1060.9	928.4	862.3	820.2
140°	1115.6	1129.4	1184.8	1240.2	1184.8	1129.4	1115.6	1029.8	915.5	858.2	821.0
142.5°	1084.3	1096.1	1143.8	1191.5	1143.8	1096.1	1084.3	1008.9	908.4	858.2	824.0
145°	1037.3	1046.3	1082.4	1118.5	1082.4	1046.3	1037.3	975.7	893.6	852.5	824.0
147.5°	997.9	1005.4	1035.2	1065.1	1035.2	1005.4	997.9	949.4	884.8	852.5	829.6
150°	975.3	981.3	1005.6	1029.8	1005.6	981.3	975.3	934.3	879.7	852.5	832.6
152.5°	957.3	961.9	980.1	998.5	980.1	961.9	957.3	922.4	875.7	852.5	834.5
155°	935.9	938.9	951.1	963.1	951.1	938.9	935.9	908.1	871.0	852.5	838.8
157.5°	917.3	919.5	928.0	936.5	928.0	919.5	917.3	895.7	866.8	852.5	843.0
160°	908.1	909.3	914.2	919.1	914.2	909.3	908.1	889.6	864.8	852.5	845.0
162.5°	899.4	900.5	905.2	909.8	905.2	900.5	899.4	883.8	862.9	852.5	847.0
165°	886.1	887.3	892.2	897.0	892.2	887.3	886.1	874.9	859.9	852.5	850.0
167.5°	880.3	880.8	882.8	884.9	882.8	880.8	880.3	872.9	863.1	858.2	856.2
170°	880.3	880.3	880.3	880.3	880.3	880.3	880.3	872.9	863.1	858.2	858.2
172.5°	875.6	875.2	873.4	871.6	873.4	875.2	875.6	869.8	862.1	858.2	858.2
175°	869.3	869.3	869.3	869.3	869.3	869.3	869.3	865.6	860.7	858.2	859.4
177.5°	868.1	867.6	865.5	863.5	865.5	867.6	868.1	865.2	861.3	859.4	860.3
180°	863.5	863.5	863.5	863.5	863.5	863.5	863.5	863.5	863.5	863.5	863.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3343.6	3343.6	3343.6	3343.6	3343.6
2.5°	3302.5	3318.3	3327.8	3340.5	3372.0
5°	3175.9	3236.0	3255.0	3302.5	3359.4
7.5°	2897.6	3081.1	3131.6	3245.6	3334.1
10°	2628.7	2812.2	2900.8	3169.6	3302.5
12.5°	2492.7	2600.3	2660.4	3036.8	3258.2
15°	2407.2	2483.2	2527.4	2859.6	3207.6
17.5°	2340.9	2394.6	2426.2	2685.7	3138.0
20°	2299.8	2325.0	2353.5	2559.1	3058.9
22.5°	2271.2	2255.4	2277.6	2470.5	2951.3
25°	2252.3	2192.2	2217.5	2401.0	2824.9
27.5°	2268.1	2135.2	2144.7	2337.7	2692.0
30°	2271.2	2065.6	2068.8	2271.2	2543.3
32.5°	2249.1	1992.9	1996.1	2189.0	2375.6
35°	2195.3	1907.5	1904.3	2094.1	2147.9
37.5°	2122.5	1815.8	1815.8	1989.7	1898.0
40°	2034.0	1724.0	1733.5	1853.7	1676.6
42.5°	1926.4	1625.9	1638.6	1673.4	1512.1
45°	1809.4	1531.0	1540.5	1414.0	1385.5
47.5°	1679.8	1433.0	1436.2	1173.6	1344.4
50°	1524.7	1331.8	1319.1	1005.9	1341.2
52.5°	1388.7	1221.0	1183.1	911.1	1217.8
55°	1255.9	1104.0	1021.7	838.2	1129.3
57.5°	1138.8	952.2	873.1	752.9	1110.3
60°	1031.3	803.5	743.4	661.1	1018.5
62.5°	942.7	692.8	680.1	597.8	923.7
65°	847.8	616.8	613.6	544.1	784.5
67.5°	756.0	566.2	563.1	493.4	597.8
70°	657.9	512.5	506.1	439.7	442.9
72.5°	556.7	452.4	446.0	395.4	367.0
75°	455.5	382.8	379.6	344.8	297.3
77.5°	357.4	303.7	310.0	278.4	218.3
80°	256.2	221.4	227.8	199.3	164.5
82.5°	170.9	145.5	151.8	126.6	110.7
85°	94.9	82.3	85.4	66.5	50.6
87.5°	44.3	37.9	37.9	25.3	15.8
90°	25.5	16.3	15.1	10.5	5.8
92.5°	157.3	111.9	102.1	62.6	23.2
95°	386.9	217.9	199.8	127.8	55.6
97.5°	521.2	239.4	223.5	159.8	96.2
100°	570.1	257.3	242.9	185.2	127.5
102.5°	592.4	275.3	261.8	208.0	154.1
105°	609.1	301.9	290.5	245.0	199.4
107.5°	612.1	341.4	330.7	288.3	245.7
110°	607.5	363.3	353.7	315.4	277.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	607.7	390.0	380.8	344.3	307.7
115°	613.3	430.0	421.6	387.8	354.1
117.5°	624.8	468.8	461.2	430.5	399.9
120°	633.9	491.4	484.2	455.3	426.5
122.5°	647.3	518.1	510.8	481.7	452.6
125°	665.2	552.2	545.6	519.1	492.6
127.5°	683.3	585.3	578.6	551.9	525.0
130°	696.4	607.3	600.1	571.2	542.4
132.5°	707.0	625.3	618.1	589.2	560.4
135°	718.6	646.2	639.6	613.3	587.0
137.5°	736.0	672.8	666.3	640.3	614.3
140°	746.5	690.7	684.8	660.8	636.9
142.5°	755.5	704.1	698.6	676.4	654.3
145°	767.1	724.4	719.5	700.3	680.9
147.5°	784.1	749.9	745.2	726.4	707.6
150°	792.9	763.2	759.0	742.0	725.0
152.5°	798.7	771.9	768.7	755.8	742.9
155°	811.5	791.0	788.6	779.1	769.5
157.5°	824.2	810.1	807.8	798.5	789.3
160°	830.0	818.8	817.0	809.8	802.6
162.5°	836.3	828.1	826.7	821.3	815.9
165°	845.1	841.4	840.2	835.3	830.4
167.5°	852.1	849.0	848.4	846.1	843.8
170°	857.9	857.7	857.1	854.8	852.5
172.5°	858.2	858.2	858.2	857.6	857.1
175°	861.7	863.5	863.5	863.5	863.5
177.5°	862.1	863.5	863.5	863.5	863.5
180°	863.5	863.5	863.5	863.5	863.5



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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	15.27	16.24	16.13	17.12	18.23	18.11	19.08	18.97	19.96	21.07
	3H	15.76	16.62	16.63	17.51	18.65	19.47	20.33	20.34	21.22	22.36
	4H	15.95	16.77	16.84	17.67	18.81	19.92	20.74	20.80	21.63	22.78
	6H	16.08	16.83	16.98	17.74	18.89	20.21	20.96	21.11	21.87	23.03
	8H	16.08	16.80	16.99	17.72	18.88	20.29	21.01	21.19	21.93	23.08
	12H	16.06	16.74	16.97	17.66	18.84	20.33	21.02	21.24	21.93	23.11
4H	2H	16.32	17.14	17.21	18.03	19.18	18.53	19.35	19.42	20.25	21.39
	3H	17.36	18.04	18.26	18.97	20.13	20.05	20.73	20.95	21.66	22.82
	4H	17.64	18.26	18.55	19.18	20.37	20.58	21.21	21.50	22.13	23.32
	6H	17.77	18.30	18.70	19.25	20.44	20.96	21.49	21.89	22.44	23.63
	8H	17.78	18.28	18.71	19.22	20.42	21.07	21.57	22.00	22.51	23.71
	12H	17.75	18.20	18.70	19.16	20.37	21.13	21.58	22.08	22.54	23.75
8H	4H	18.10	18.60	19.03	19.54	20.74	20.72	21.22	21.65	22.16	23.36
	6H	18.37	18.78	19.32	19.76	20.96	21.16	21.57	22.12	22.56	23.76
	8H	18.41	18.78	19.38	19.75	20.97	21.31	21.68	22.28	22.65	23.87
	12H	18.40	18.72	19.37	19.69	20.95	21.42	21.74	22.39	22.71	23.97
12H	4H	18.11	18.56	19.06	19.52	20.73	20.69	21.14	21.64	22.10	23.30
	6H	18.43	18.80	19.40	19.77	20.99	21.16	21.52	22.12	22.50	23.72
	8H	18.50	18.82	19.47	19.79	21.06	21.32	21.65	22.30	22.61	23.88