

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: P935761

Luminaire Tested: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-6-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935761
REPORT IS A COMBINATION OF REPORTS P933767 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-6-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

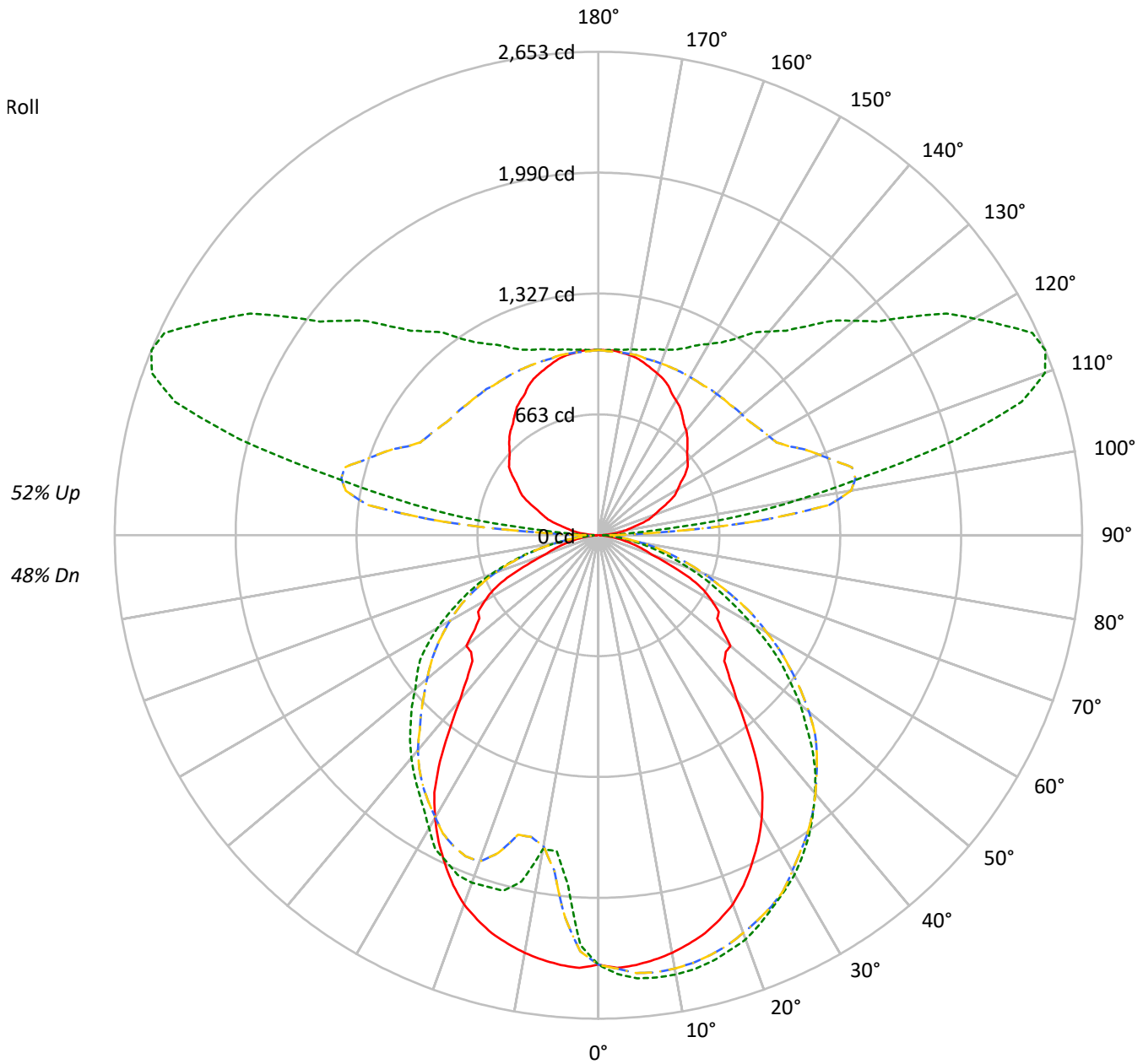
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12701.9 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 112.8
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



— 0°-180° - - - 45°-225° - - - 90°-270° - - - 135°-315°



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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	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48
1	97	93	89	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	41	39	34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29
4	74	63	55	49	68	59	52	46	50	44	40	41	37	34	34	31	28	25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19
7	58	45	38	32	53	42	35	30	36	31	26	30	26	23	25	22	19	17
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13
10	47	34	27	22	43	32	26	21	28	22	19	24	19	16	20	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14576	14576	14576	14576
5°	14680	14714	14680	11570
10°	14576	14494	14576	10362
15°	14413	14181	14413	11841
20°	14106	13808	14106	11865
25°	13483	13266	13483	11614
30°	12681	12815	12681	11062
35°	11299	12245	11299	10455
40°	9410	11574	9410	9997
45°	8402	10790	8402	9470
50°	8919	9853	8919	8941
55°	8383	8844	8383	8634
60°	8632	7511	8632	7909
65°	7814	6209	7814	6941
70°	5398	4949	5398	5818
75°	4716	3658	4716	4380
80°	3772	2418	3772	2632
85°	2128	1280	2128	1089

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 12886 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.7	1.7
10°-20°	603.9	4.8
20°-30°	933.5	7.3
30°-40°	1114.4	8.8
40°-50°	1121.0	8.8
50°-60°	975.4	7.7
60°-70°	691.6	5.4
70°-80°	365.9	2.9
80°-90°	95.0	0.7
90°-100°	495.4	3.9
100°-110°	1302.5	10.3
110°-120°	1350.5	10.6
120°-130°	1083.3	8.5
130°-140°	850.0	6.7
140°-150°	652.4	5.1
150°-160°	469.8	3.7
160°-170°	287.5	2.3
170°-180°	97.1	0.8
0°-30°	1750.1	13.8
0°-40°	2864.6	22.6
0°-60°	4960.9	39.1
0°-90°	6113.3	48.1
90°-120°	3148.4	24.8
90°-150°	5734.2	45.1
90°-180°	6589.0	51.9
0°-180°	12701.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2356	2356	2356	2356	2356	
5°	2368	2441	2368	1919	2368	225
15°	2260	2419	2260	2020	2260	636
25°	1991	2256	1991	1975	1991	914
35°	1514	2013	1514	1719	1514	936
45°	976	1659	976	1456	976	782
55°	796	1224	796	1195	796	731
65°	553	738	553	825	553	528
75°	210	350	210	419	210	220
85°	36	89	36	76	36	48
90°	7	26	7	26	7	7
95°	66	299	66	299	66	73
105°	235	2040	235	2040	235	249
115°	417	2626	417	2626	417	412
125°	580	2091	580	2091	580	515
135°	691	1623	691	1623	691	535
145°	801	1316	801	1316	801	502
155°	906	1134	906	1134	906	416
165°	978	1056	978	1056	978	276
175°	1016	1023	1016	1023	1016	96
180°	1016	1016	1016	1016	1016	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2356.3	2356.3	2356.3	2356.3	2356.3	2356.3	2356.3	2356.3	2356.3	2356.3	2356.3
2.5°	2376.3	2376.3	2389.8	2394.2	2394.2	2387.5	2380.8	2387.5	2407.6	2414.3	2412.0
5°	2367.5	2385.3	2409.8	2414.3	2418.8	2416.5	2412.0	2416.5	2438.8	2443.3	2445.5
7.5°	2349.6	2383.0	2414.3	2420.9	2427.6	2420.9	2418.8	2423.1	2445.5	2449.9	2449.9
10°	2327.3	2374.1	2409.8	2414.3	2420.9	2414.3	2414.3	2423.1	2445.5	2449.9	2452.1
12.5°	2296.1	2360.8	2394.2	2398.6	2407.6	2405.3	2403.1	2412.0	2434.3	2438.8	2438.8
15°	2260.5	2336.2	2367.5	2371.9	2387.5	2383.0	2383.0	2392.0	2416.5	2423.1	2420.9
17.5°	2211.4	2305.0	2340.7	2347.3	2358.5	2356.3	2358.5	2367.5	2389.8	2394.2	2396.4
20°	2155.7	2262.7	2305.0	2311.7	2322.8	2322.8	2322.8	2334.0	2356.3	2365.2	2365.2
22.5°	2079.9	2218.1	2262.7	2267.2	2280.5	2280.5	2285.0	2300.5	2320.6	2322.8	2322.8
25°	1990.7	2169.1	2206.9	2220.3	2233.7	2240.4	2247.0	2256.0	2262.7	2260.5	2262.7
27.5°	1897.0	2106.6	2155.7	2164.6	2182.4	2189.1	2198.0	2200.2	2202.5	2209.2	2204.7
30°	1792.3	2019.7	2093.3	2102.1	2131.1	2135.6	2126.7	2131.1	2142.3	2146.7	2151.2
32.5°	1674.1	1890.4	2028.6	2048.6	2075.4	2062.1	2059.8	2066.5	2084.3	2084.3	2088.8
35°	1513.7	1790.1	1968.4	1986.3	2006.3	1990.7	1999.6	2001.8	2013.0	2019.7	2017.5
37.5°	1337.6	1703.1	1906.0	1919.4	1935.0	1914.9	1928.3	1935.0	1943.9	1939.5	1939.5
40°	1181.5	1567.2	1832.4	1841.4	1854.7	1839.1	1852.5	1857.0	1861.4	1857.0	1854.7
42.5°	1065.6	1417.8	1754.4	1765.6	1756.6	1767.8	1772.2	1781.2	1774.4	1765.6	1765.6
45°	976.4	1377.7	1669.7	1683.1	1669.7	1687.6	1694.2	1694.2	1674.1	1669.7	1667.5
47.5°	947.4	1297.4	1585.0	1585.0	1578.3	1600.6	1611.8	1596.1	1576.0	1569.3	1569.3
50°	945.2	1208.3	1469.0	1460.2	1491.4	1518.1	1507.0	1491.4	1475.7	1451.2	1451.2
52.5°	858.3	1099.0	1319.7	1353.1	1402.2	1417.8	1399.9	1384.4	1357.6	1346.4	1337.6
55°	795.8	985.3	1183.7	1250.6	1301.9	1321.9	1288.5	1272.9	1232.8	1226.1	1221.6
57.5°	782.5	820.3	1058.9	1143.6	1206.0	1203.8	1183.7	1154.7	1121.3	1114.7	1112.4
60°	717.8	592.9	925.1	1025.4	1090.1	1083.4	1065.6	1038.9	1007.6	1003.2	998.7
62.5°	650.9	430.3	773.5	887.3	978.6	976.4	960.8	920.6	898.4	887.3	878.3
65°	552.9	361.2	550.6	737.9	869.4	873.8	840.4	811.5	787.0	773.5	771.3
67.5°	421.3	294.2	372.3	615.2	764.6	760.2	717.8	704.4	673.2	666.5	653.2
70°	312.1	196.2	258.6	499.3	662.1	650.9	617.5	601.9	572.9	557.3	548.4
72.5°	258.6	158.3	189.4	387.9	557.3	543.9	514.9	497.1	472.6	459.3	450.3
75°	209.6	167.2	144.9	287.6	452.5	443.6	416.8	399.0	379.0	361.2	363.4
77.5°	153.8	156.1	115.9	211.8	358.9	345.5	329.9	307.7	298.7	280.9	280.9
80°	115.9	122.6	87.0	144.9	258.6	258.6	245.2	229.6	214.0	205.1	205.1
82.5°	78.0	78.0	64.6	91.4	176.1	169.4	160.5	156.1	147.1	142.6	142.6
85°	35.7	44.6	40.1	55.8	95.8	100.3	100.3	95.8	93.6	89.1	91.4
87.5°	11.2	20.0	24.5	31.2	49.0	51.3	53.5	53.5	53.5	55.8	55.8
90°	6.9	12.3	17.7	19.1	30.0	44.5	51.8	46.0	34.5	25.9	25.9
92.5°	27.3	73.7	120.1	131.7	185.1	256.3	291.9	255.8	183.7	129.6	124.5
95°	65.5	150.4	235.2	256.5	455.4	720.7	853.4	761.5	577.7	439.9	424.3
97.5°	113.2	188.0	263.0	281.7	613.4	1055.8	1277.0	1218.9	1102.8	1015.7	986.0
100°	150.1	218.0	285.9	302.8	670.9	1161.8	1407.2	1411.4	1419.9	1426.3	1390.9
102.5°	181.5	244.8	308.2	324.0	697.4	1195.1	1444.0	1518.0	1666.0	1776.9	1746.6
105°	234.7	288.3	341.9	355.4	716.9	1199.0	1440.0	1605.8	1937.4	2186.2	2169.8
107.5°	289.2	339.2	389.3	401.7	720.6	1145.6	1358.1	1589.5	2052.1	2399.0	2402.9
110°	326.0	371.2	416.3	427.6	715.0	1098.2	1289.9	1548.4	2065.7	2453.6	2470.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	362.2	405.2	448.3	459.1	715.3	1056.9	1227.8	1492.4	2021.8	2418.8	2444.8
115°	416.8	456.5	496.2	506.2	722.0	1009.6	1153.5	1408.4	1918.4	2300.8	2337.0
117.5°	470.7	506.8	542.8	551.8	735.3	979.9	1102.3	1332.4	1792.6	2137.8	2177.8
120°	502.0	536.0	569.9	578.4	746.2	969.9	1081.8	1292.1	1712.5	2027.9	2066.9
122.5°	532.8	567.0	601.3	609.8	761.9	964.7	1066.2	1255.5	1634.2	1918.1	1956.5
125°	579.8	611.0	642.2	650.0	783.1	960.4	1049.1	1209.9	1531.6	1772.9	1808.2
127.5°	618.0	649.5	681.0	688.9	804.3	958.0	1034.8	1172.9	1449.1	1656.2	1686.1
130°	638.4	672.4	706.3	714.8	819.6	959.4	1029.3	1152.2	1398.1	1582.5	1610.1
132.5°	659.6	693.6	727.5	736.0	832.2	960.4	1024.5	1134.6	1354.7	1519.7	1544.4
135°	691.0	721.9	752.8	760.5	845.8	959.5	1016.4	1108.5	1292.9	1431.1	1452.4
137.5°	723.0	753.7	784.3	792.0	866.3	965.4	1015.0	1092.9	1248.7	1365.6	1383.0
140°	749.6	777.8	806.0	813.0	878.7	966.4	1010.2	1077.5	1212.1	1313.1	1329.4
142.5°	770.1	796.2	822.3	828.8	889.3	969.9	1010.2	1069.3	1187.6	1276.3	1290.3
145°	801.4	824.2	846.9	852.7	902.9	969.9	1003.4	1051.8	1148.5	1221.0	1231.6
147.5°	832.9	855.0	877.2	882.7	922.9	976.6	1003.4	1041.4	1117.6	1174.6	1183.4
150°	853.4	873.4	893.3	898.3	933.4	980.0	1003.4	1035.5	1099.8	1148.0	1155.1
152.5°	874.4	889.6	904.8	908.6	940.2	982.3	1003.4	1030.8	1085.7	1126.9	1132.2
155°	905.9	917.1	928.3	931.1	955.2	987.3	1003.4	1025.2	1068.9	1101.7	1105.3
157.5°	929.1	940.0	950.8	953.6	970.2	992.3	1003.4	1020.3	1054.3	1079.8	1082.2
160°	944.7	953.2	961.7	963.8	977.0	994.6	1003.4	1018.0	1047.0	1068.9	1070.3
162.5°	960.4	966.7	973.2	974.7	984.3	997.0	1003.4	1015.7	1040.2	1058.6	1060.0
165°	977.5	983.3	989.1	990.5	994.8	1000.5	1003.4	1012.2	1029.8	1043.0	1044.4
167.5°	993.2	995.9	998.6	999.3	1002.9	1007.8	1010.2	1016.0	1027.5	1036.1	1036.7
170°	1003.4	1006.1	1008.8	1009.5	1009.8	1010.0	1010.2	1016.0	1027.5	1036.1	1036.1
172.5°	1008.8	1009.4	1010.0	1010.2	1010.2	1010.2	1010.2	1014.8	1023.8	1030.7	1030.2
175°	1016.4	1016.4	1016.4	1016.4	1014.3	1011.6	1010.2	1013.1	1018.9	1023.2	1023.2
177.5°	1016.4	1016.4	1016.4	1016.4	1014.8	1012.6	1011.5	1013.8	1018.4	1021.8	1021.2
180°	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2356.3	2356.3	2356.3	2356.3	2356.3	2356.3	2356.3	2356.3	2356.3	2356.3	2356.3
2.5°	2416.5	2409.8	2416.5	2412.0	2414.3	2407.6	2387.5	2380.8	2387.5	2394.2	2394.2
5°	2445.5	2441.0	2445.5	2445.5	2443.3	2438.8	2416.5	2412.0	2416.5	2418.8	2414.3
7.5°	2454.4	2447.7	2454.4	2449.9	2449.9	2445.5	2423.1	2418.8	2420.9	2427.6	2420.9
10°	2454.4	2447.7	2454.4	2452.1	2449.9	2445.5	2423.1	2414.3	2414.3	2420.9	2414.3
12.5°	2443.3	2438.8	2443.3	2438.8	2438.8	2434.3	2412.0	2403.1	2405.3	2407.6	2398.6
15°	2425.4	2418.8	2425.4	2420.9	2423.1	2416.5	2392.0	2383.0	2383.0	2387.5	2371.9
17.5°	2398.6	2389.8	2398.6	2396.4	2394.2	2389.8	2367.5	2358.5	2356.3	2358.5	2347.3
20°	2367.5	2360.8	2367.5	2365.2	2365.2	2356.3	2334.0	2322.8	2322.8	2322.8	2311.7
22.5°	2318.4	2311.7	2318.4	2322.8	2322.8	2320.6	2300.5	2285.0	2280.5	2280.5	2267.2
25°	2262.7	2256.0	2262.7	2262.7	2260.5	2262.7	2256.0	2247.0	2240.4	2233.7	2220.3
27.5°	2209.2	2204.7	2209.2	2204.7	2209.2	2202.5	2200.2	2198.0	2189.1	2182.4	2164.6
30°	2155.7	2151.2	2155.7	2151.2	2146.7	2142.3	2131.1	2126.7	2135.6	2131.1	2102.1
32.5°	2088.8	2084.3	2088.8	2088.8	2084.3	2084.3	2066.5	2059.8	2062.1	2075.4	2048.6
35°	2019.7	2013.0	2019.7	2017.5	2019.7	2013.0	2001.8	1999.6	1990.7	2006.3	1986.3
37.5°	1939.5	1932.7	1939.5	1939.5	1939.5	1943.9	1935.0	1928.3	1914.9	1935.0	1919.4
40°	1857.0	1848.0	1857.0	1854.7	1857.0	1861.4	1857.0	1852.5	1839.1	1854.7	1841.4
42.5°	1763.4	1761.1	1763.4	1765.6	1765.6	1774.4	1781.2	1772.2	1767.8	1756.6	1765.6
45°	1663.0	1658.6	1663.0	1667.5	1669.7	1674.1	1694.2	1694.2	1687.6	1669.7	1683.1
47.5°	1556.0	1544.8	1556.0	1569.3	1569.3	1576.0	1596.1	1611.8	1600.6	1578.3	1585.0
50°	1442.3	1444.5	1442.3	1451.2	1451.2	1475.7	1491.4	1507.0	1518.1	1491.4	1460.2
52.5°	1330.9	1328.6	1330.9	1337.6	1346.4	1357.6	1384.4	1399.9	1417.8	1402.2	1353.1
55°	1219.3	1223.8	1219.3	1221.6	1226.1	1232.8	1272.9	1288.5	1321.9	1301.9	1250.6
57.5°	1107.9	1101.2	1107.9	1112.4	1114.7	1121.3	1154.7	1183.7	1203.8	1206.0	1143.6
60°	978.6	969.7	978.6	998.7	1003.2	1007.6	1038.9	1065.6	1083.4	1090.1	1025.4
62.5°	865.0	849.3	865.0	878.3	887.3	898.4	920.6	960.8	976.4	978.6	887.3
65°	744.5	737.9	744.5	771.3	773.5	787.0	811.5	840.4	873.8	869.4	737.9
67.5°	635.4	635.4	635.4	653.2	666.5	673.2	704.4	717.8	760.2	764.6	615.2
70°	535.0	532.8	535.0	548.4	557.3	572.9	601.9	617.5	650.9	662.1	499.3
72.5°	439.2	437.0	439.2	450.3	459.3	472.6	497.1	514.9	543.9	557.3	387.9
75°	354.5	350.0	354.5	363.4	361.2	379.0	399.0	416.8	443.6	452.5	287.6
77.5°	272.0	272.0	272.0	280.9	280.9	298.7	307.7	329.9	345.5	358.9	211.8
80°	202.9	200.6	202.9	205.1	205.1	214.0	229.6	245.2	258.6	258.6	144.9
82.5°	142.6	138.2	142.6	142.6	142.6	147.1	156.1	160.5	169.4	176.1	91.4
85°	89.1	89.1	89.1	91.4	89.1	93.6	95.8	100.3	100.3	95.8	55.8
87.5°	58.0	55.8	58.0	55.8	55.8	53.5	53.5	53.5	51.3	49.0	31.2
90°	25.9	25.9	25.9	25.9	25.9	34.5	46.0	51.8	44.5	30.0	19.1
92.5°	103.8	83.2	103.8	124.5	129.6	183.7	255.8	291.9	256.3	185.1	131.7
95°	361.9	299.4	361.9	424.3	439.9	577.7	761.5	853.4	720.7	455.4	256.5
97.5°	867.1	748.3	867.1	986.0	1015.7	1102.8	1218.9	1277.0	1055.8	613.4	281.7
100°	1249.4	1107.8	1249.4	1390.9	1426.3	1419.9	1411.4	1407.2	1161.8	670.9	302.8
102.5°	1625.3	1504.1	1625.3	1746.6	1776.9	1666.0	1518.0	1444.0	1195.1	697.4	324.0
105°	2104.7	2039.5	2104.7	2169.8	2186.2	1937.4	1605.8	1440.0	1199.0	716.9	355.4
107.5°	2418.7	2434.5	2418.7	2402.9	2399.0	2052.1	1589.5	1358.1	1145.6	720.6	401.7
110°	2538.5	2606.4	2538.5	2470.6	2453.6	2065.7	1548.4	1289.9	1098.2	715.0	427.6



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CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-6-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2549.1	2653.4	2549.1	2444.8	2418.8	2021.8	1492.4	1227.8	1056.9	715.3	459.1
115°	2481.6	2626.1	2481.6	2337.0	2300.8	1918.4	1408.4	1153.5	1009.6	722.0	506.2
117.5°	2338.2	2498.6	2338.2	2177.8	2137.8	1792.6	1332.4	1102.3	979.9	735.3	551.8
120°	2222.7	2378.5	2222.7	2066.9	2027.9	1712.5	1292.1	1081.8	969.9	746.2	578.4
122.5°	2110.2	2263.9	2110.2	1956.5	1918.1	1634.2	1255.5	1066.2	964.7	761.9	609.8
125°	1949.8	2091.4	1949.8	1808.2	1772.9	1531.6	1209.9	1049.1	960.4	783.1	650.0
127.5°	1805.5	1925.0	1805.5	1686.1	1656.2	1449.1	1172.9	1034.8	958.0	804.3	688.9
130°	1720.5	1830.8	1720.5	1610.1	1582.5	1398.1	1152.2	1029.3	959.4	819.6	714.8
132.5°	1643.3	1742.1	1643.3	1544.4	1519.7	1354.7	1134.6	1024.5	960.4	832.2	736.0
135°	1537.6	1622.7	1537.6	1452.4	1431.1	1292.9	1108.5	1016.4	959.5	845.8	760.5
137.5°	1452.7	1522.4	1452.7	1383.0	1365.6	1248.7	1092.9	1015.0	965.4	866.3	792.0
140°	1394.6	1459.7	1394.6	1329.4	1313.1	1212.1	1077.5	1010.2	966.4	878.7	813.0
142.5°	1346.3	1402.5	1346.3	1290.3	1276.3	1187.6	1069.3	1010.2	969.9	889.3	828.8
145°	1274.1	1316.5	1274.1	1231.6	1221.0	1148.5	1051.8	1003.4	969.9	902.9	852.7
147.5°	1218.6	1253.8	1218.6	1183.4	1174.6	1117.6	1041.4	1003.4	976.6	922.9	882.7
150°	1183.7	1212.1	1183.7	1155.1	1148.0	1099.8	1035.5	1003.4	980.0	933.4	898.3
152.5°	1153.7	1175.3	1153.7	1132.2	1126.9	1085.7	1030.8	1003.4	982.3	940.2	908.6
155°	1119.5	1133.7	1119.5	1105.3	1101.7	1068.9	1025.2	1003.4	987.3	955.2	931.1
157.5°	1092.3	1102.3	1092.3	1082.2	1079.8	1054.3	1020.3	1003.4	992.3	970.2	953.6
160°	1076.1	1081.8	1076.1	1070.3	1068.9	1047.0	1018.0	1003.4	994.6	977.0	963.8
162.5°	1065.5	1070.9	1065.5	1060.0	1058.6	1040.2	1015.7	1003.4	997.0	984.3	974.7
165°	1050.2	1055.9	1050.2	1044.4	1043.0	1029.8	1012.2	1003.4	1000.5	994.8	990.5
167.5°	1039.1	1041.6	1039.1	1036.7	1036.1	1027.5	1016.0	1010.2	1007.8	1002.9	999.3
170°	1036.1	1036.1	1036.1	1036.1	1036.1	1027.5	1016.0	1010.2	1010.0	1009.8	1009.5
172.5°	1028.1	1025.9	1028.1	1030.2	1030.7	1023.8	1014.8	1010.2	1010.2	1010.2	1010.2
175°	1023.2	1023.2	1023.2	1023.2	1023.2	1018.9	1013.1	1010.2	1011.6	1014.3	1016.4
177.5°	1018.8	1016.4	1018.8	1021.2	1021.8	1018.4	1013.8	1011.5	1012.6	1014.8	1016.4
180°	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2356.3	2356.3	2356.3	2356.3	2356.3	2356.3	2356.3	2356.3	2356.3	2356.3	2356.3
2.5°	2389.8	2376.3	2376.3	2354.1	2345.2	2338.5	2327.3	2293.9	2285.0	2276.0	2289.4
5°	2409.8	2385.3	2367.5	2327.3	2293.9	2280.5	2238.2	2157.9	2104.4	2064.3	2042.0
7.5°	2414.3	2383.0	2349.6	2287.2	2206.9	2171.2	2042.0	1894.8	1854.7	1819.0	1796.7
10°	2409.8	2374.1	2327.3	2233.7	2044.2	1981.8	1852.5	1756.6	1732.1	1725.4	1732.1
12.5°	2394.2	2360.8	2296.1	2140.1	1874.8	1832.4	1756.6	1700.9	1696.4	1707.6	1767.8
15°	2367.5	2336.2	2260.5	2015.3	1781.2	1749.9	1696.4	1676.4	1700.9	1778.9	1959.5
17.5°	2340.7	2305.0	2211.4	1892.7	1709.8	1687.6	1649.6	1689.8	1828.0	1932.7	1993.0
20°	2305.0	2262.7	2155.7	1803.4	1658.6	1638.5	1620.6	1801.2	1906.0	1943.9	1977.3
22.5°	2262.7	2218.1	2079.9	1741.1	1605.0	1589.5	1600.6	1863.7	1906.0	1932.7	1961.7
25°	2206.9	2169.1	1990.7	1692.0	1562.7	1544.8	1587.2	1857.0	1881.5	1888.2	1946.1
27.5°	2155.7	2106.6	1897.0	1647.4	1511.4	1504.7	1598.3	1828.0	1845.8	1852.5	1914.9
30°	2093.3	2019.7	1792.3	1600.6	1457.9	1455.7	1600.6	1792.3	1787.9	1805.7	1868.1
32.5°	2028.6	1890.4	1674.1	1542.6	1406.7	1404.4	1585.0	1738.8	1734.4	1758.9	1805.7
35°	1968.4	1790.1	1513.7	1475.7	1342.0	1344.2	1547.1	1676.4	1678.6	1700.9	1729.9
37.5°	1906.0	1703.1	1337.6	1402.2	1279.6	1279.6	1495.8	1618.4	1614.0	1620.6	1660.8
40°	1832.4	1567.2	1181.5	1306.3	1221.6	1215.0	1433.4	1556.0	1540.4	1538.2	1593.9
42.5°	1754.4	1417.8	1065.6	1179.3	1154.7	1145.8	1357.6	1480.2	1451.2	1457.9	1529.2
45°	1669.7	1377.7	976.4	996.4	1085.7	1078.9	1275.1	1393.2	1373.2	1391.1	1464.6
47.5°	1585.0	1297.4	947.4	827.0	1012.1	1009.9	1183.7	1308.6	1297.4	1315.3	1393.2
50°	1469.0	1208.3	945.2	708.9	929.6	938.5	1074.5	1226.1	1226.1	1241.7	1324.1
52.5°	1319.7	1099.0	858.3	642.0	833.8	860.5	978.6	1154.7	1159.2	1174.8	1248.3
55°	1183.7	985.3	795.8	590.7	720.0	778.0	885.0	1081.2	1090.1	1105.7	1172.5
57.5°	1058.9	820.3	782.5	530.6	615.2	671.0	802.5	1009.9	1014.3	1027.7	1092.3
60°	925.1	592.9	717.8	465.9	523.9	566.2	726.7	925.1	940.7	949.6	1005.4
62.5°	773.5	430.3	650.9	421.3	479.3	488.2	664.3	844.8	865.0	871.6	905.1
65°	550.6	361.2	552.9	383.5	432.5	434.7	597.4	762.4	780.2	791.3	815.9
67.5°	372.3	294.2	421.3	347.7	396.8	399.0	532.8	666.5	691.0	700.0	715.6
70°	258.6	196.2	312.1	309.9	356.7	361.2	463.7	579.6	601.9	608.6	617.5
72.5°	189.4	158.3	258.6	278.7	314.3	318.8	392.3	481.5	503.8	510.5	514.9
75°	144.9	167.2	209.6	243.0	267.5	269.7	321.0	392.3	408.0	412.5	414.6
77.5°	115.9	156.1	153.8	196.2	218.4	214.0	251.9	303.2	316.5	316.5	316.5
80°	87.0	122.6	115.9	140.4	160.5	156.1	180.6	216.2	220.7	225.1	222.9
82.5°	64.6	78.0	78.0	89.1	107.0	102.6	120.4	140.4	140.4	140.4	144.9
85°	40.1	44.6	35.7	46.8	60.2	58.0	66.8	75.8	78.0	78.0	73.6
87.5°	24.5	20.0	11.2	17.8	26.8	26.8	31.2	33.5	31.2	31.2	31.2
90°	17.7	12.3	6.9	12.3	17.7	19.1	30.0	44.5	51.8	46.0	34.5
92.5°	120.1	73.7	27.3	73.7	120.1	131.7	185.1	256.3	291.9	255.8	183.7
95°	235.2	150.4	65.5	150.4	235.2	256.5	455.4	720.7	853.4	761.5	577.7
97.5°	263.0	188.0	113.2	188.0	263.0	281.7	613.4	1055.8	1277.0	1218.9	1102.8
100°	285.9	218.0	150.1	218.0	285.9	302.8	670.9	1161.8	1407.2	1411.4	1419.9
102.5°	308.2	244.8	181.5	244.8	308.2	324.0	697.4	1195.1	1444.0	1518.0	1666.0
105°	341.9	288.3	234.7	288.3	341.9	355.4	716.9	1199.0	1440.0	1605.8	1937.4
107.5°	389.3	339.2	289.2	339.2	389.3	401.7	720.6	1145.6	1358.1	1589.5	2052.1
110°	416.3	371.2	326.0	371.2	416.3	427.6	715.0	1098.2	1289.9	1548.4	2065.7



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	448.3	405.2	362.2	405.2	448.3	459.1	715.3	1056.9	1227.8	1492.4	2021.8
115°	496.2	456.5	416.8	456.5	496.2	506.2	722.0	1009.6	1153.5	1408.4	1918.4
117.5°	542.8	506.8	470.7	506.8	542.8	551.8	735.3	979.9	1102.3	1332.4	1792.6
120°	569.9	536.0	502.0	536.0	569.9	578.4	746.2	969.9	1081.8	1292.1	1712.5
122.5°	601.3	567.0	532.8	567.0	601.3	609.8	761.9	964.7	1066.2	1255.5	1634.2
125°	642.2	611.0	579.8	611.0	642.2	650.0	783.1	960.4	1049.1	1209.9	1531.6
127.5°	681.0	649.5	618.0	649.5	681.0	688.9	804.3	958.0	1034.8	1172.9	1449.1
130°	706.3	672.4	638.4	672.4	706.3	714.8	819.6	959.4	1029.3	1152.2	1398.1
132.5°	727.5	693.6	659.6	693.6	727.5	736.0	832.2	960.4	1024.5	1134.6	1354.7
135°	752.8	721.9	691.0	721.9	752.8	760.5	845.8	959.5	1016.4	1108.5	1292.9
137.5°	784.3	753.7	723.0	753.7	784.3	792.0	866.3	965.4	1015.0	1092.9	1248.7
140°	806.0	777.8	749.6	777.8	806.0	813.0	878.7	966.4	1010.2	1077.5	1212.1
142.5°	822.3	796.2	770.1	796.2	822.3	828.8	889.3	969.9	1010.2	1069.3	1187.6
145°	846.9	824.2	801.4	824.2	846.9	852.7	902.9	969.9	1003.4	1051.8	1148.5
147.5°	877.2	855.0	832.9	855.0	877.2	882.7	922.9	976.6	1003.4	1041.4	1117.6
150°	893.3	873.4	853.4	873.4	893.3	898.3	933.4	980.0	1003.4	1035.5	1099.8
152.5°	904.8	889.6	874.4	889.6	904.8	908.6	940.2	982.3	1003.4	1030.8	1085.7
155°	928.3	917.1	905.9	917.1	928.3	931.1	955.2	987.3	1003.4	1025.2	1068.9
157.5°	950.8	940.0	929.1	940.0	950.8	953.6	970.2	992.3	1003.4	1020.3	1054.3
160°	961.7	953.2	944.7	953.2	961.7	963.8	977.0	994.6	1003.4	1018.0	1047.0
162.5°	973.2	966.7	960.4	966.7	973.2	974.7	984.3	997.0	1003.4	1015.7	1040.2
165°	989.1	983.3	977.5	983.3	989.1	990.5	994.8	1000.5	1003.4	1012.2	1029.8
167.5°	998.6	995.9	993.2	995.9	998.6	999.3	1002.9	1007.8	1010.2	1016.0	1027.5
170°	1008.8	1006.1	1003.4	1006.1	1008.8	1009.5	1009.8	1010.0	1010.2	1016.0	1027.5
172.5°	1010.0	1009.4	1008.8	1009.4	1010.0	1010.2	1010.2	1010.2	1010.2	1014.8	1023.8
175°	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1014.3	1011.6	1010.2	1013.1	1018.9
177.5°	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1014.8	1012.6	1011.5	1013.8	1018.4
180°	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2356.3	2356.3	2356.3	2356.3	2356.3	2356.3	2356.3	2356.3	2356.3	2356.3	2356.3
2.5°	2273.8	2267.2	2276.0	2251.5	2276.0	2267.2	2273.8	2289.4	2276.0	2285.0	2293.9
5°	1995.1	1984.0	1948.3	1919.4	1948.3	1984.0	1995.1	2042.0	2064.3	2104.4	2157.9
7.5°	1783.4	1774.4	1765.6	1747.7	1765.6	1774.4	1783.4	1796.7	1819.0	1854.7	1894.8
10°	1736.6	1738.8	1752.2	1749.9	1752.2	1738.8	1736.6	1732.1	1725.4	1732.1	1756.6
12.5°	1857.0	1877.0	1950.6	1946.1	1950.6	1877.0	1857.0	1767.8	1707.6	1696.4	1700.9
15°	1995.1	2001.8	2017.5	2019.7	2017.5	2001.8	1995.1	1959.5	1778.9	1700.9	1676.4
17.5°	2008.5	2010.8	2021.9	2021.9	2021.9	2010.8	2008.5	1993.0	1932.7	1828.0	1689.8
20°	1997.4	2001.8	2024.1	2028.6	2024.1	2001.8	1997.4	1977.3	1943.9	1906.0	1801.2
22.5°	1993.0	2001.8	2019.7	2017.5	2019.7	2001.8	1993.0	1961.7	1932.7	1906.0	1863.7
25°	1970.6	1970.6	1972.8	1975.1	1972.8	1970.6	1970.6	1946.1	1888.2	1881.5	1857.0
27.5°	1923.8	1928.3	1941.7	1939.5	1941.7	1928.3	1923.8	1914.9	1852.5	1845.8	1828.0
30°	1881.5	1877.0	1865.9	1857.0	1865.9	1877.0	1881.5	1868.1	1805.7	1787.9	1792.3
32.5°	1810.2	1799.0	1787.9	1781.2	1787.9	1799.0	1810.2	1805.7	1758.9	1734.4	1738.8
35°	1725.4	1727.6	1725.4	1718.7	1725.4	1727.6	1725.4	1729.9	1700.9	1678.6	1676.4
37.5°	1665.3	1669.7	1667.5	1658.6	1667.5	1669.7	1665.3	1660.8	1620.6	1614.0	1618.4
40°	1602.8	1605.0	1602.8	1596.1	1602.8	1605.0	1602.8	1593.9	1538.2	1540.4	1556.0
42.5°	1542.6	1540.4	1533.7	1529.2	1533.7	1540.4	1542.6	1529.2	1457.9	1451.2	1480.2
45°	1473.5	1475.7	1462.4	1455.7	1462.4	1475.7	1473.5	1464.6	1391.1	1373.2	1393.2
47.5°	1404.4	1404.4	1393.2	1386.6	1393.2	1404.4	1404.4	1393.2	1315.3	1297.4	1308.6
50°	1330.9	1328.6	1313.1	1310.8	1313.1	1328.6	1330.9	1324.1	1241.7	1226.1	1226.1
52.5°	1246.1	1246.1	1248.3	1252.8	1248.3	1246.1	1246.1	1248.3	1174.8	1159.2	1154.7
55°	1172.5	1174.8	1190.4	1194.8	1190.4	1174.8	1172.5	1172.5	1105.7	1090.1	1081.2
57.5°	1096.8	1096.8	1107.9	1107.9	1107.9	1096.8	1096.8	1092.3	1027.7	1014.3	1009.9
60°	1009.9	1014.3	1023.2	1021.0	1023.2	1014.3	1009.9	1005.4	949.6	940.7	925.1
62.5°	918.4	922.9	925.1	920.6	925.1	922.9	918.4	905.1	871.6	865.0	844.8
65°	822.6	827.0	829.3	824.8	829.3	827.0	822.6	815.9	791.3	780.2	762.4
67.5°	724.5	722.2	720.0	729.0	720.0	722.2	724.5	715.6	700.0	691.0	666.5
70°	624.2	624.2	621.9	626.4	621.9	624.2	624.2	617.5	608.6	601.9	579.6
72.5°	517.1	514.9	523.9	517.1	523.9	514.9	517.1	514.9	510.5	503.8	481.5
75°	412.5	416.8	412.5	419.1	412.5	416.8	412.5	414.6	412.5	408.0	392.3
77.5°	314.3	318.8	314.3	314.3	314.3	318.8	314.3	316.5	316.5	316.5	303.2
80°	222.9	220.7	220.7	218.4	220.7	220.7	222.9	222.9	225.1	220.7	216.2
82.5°	142.6	140.4	140.4	144.9	140.4	140.4	142.6	144.9	140.4	140.4	140.4
85°	78.0	80.3	75.8	75.8	75.8	80.3	78.0	73.6	78.0	78.0	75.8
87.5°	29.0	26.8	26.8	26.8	26.8	26.8	29.0	31.2	31.2	31.2	33.5
90°	25.9	25.9	25.9	25.9	25.9	25.9	25.9	34.5	46.0	51.8	44.5
92.5°	129.6	124.5	103.8	83.2	103.8	124.5	129.6	183.7	255.8	291.9	256.3
95°	439.9	424.3	361.9	299.4	361.9	424.3	439.9	577.7	761.5	853.4	720.7
97.5°	1015.7	986.0	867.1	748.3	867.1	986.0	1015.7	1102.8	1218.9	1277.0	1055.8
100°	1426.3	1390.9	1249.4	1107.8	1249.4	1390.9	1426.3	1419.9	1411.4	1407.2	1161.8
102.5°	1776.9	1746.6	1625.3	1504.1	1625.3	1746.6	1776.9	1666.0	1518.0	1444.0	1195.1
105°	2186.2	2169.8	2104.7	2039.5	2104.7	2169.8	2186.2	1937.4	1605.8	1440.0	1199.0
107.5°	2399.0	2402.9	2418.7	2434.5	2418.7	2402.9	2399.0	2052.1	1589.5	1358.1	1145.6
110°	2453.6	2470.6	2538.5	2606.4	2538.5	2470.6	2453.6	2065.7	1548.4	1289.9	1098.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2418.8	2444.8	2549.1	2653.4	2549.1	2444.8	2418.8	2021.8	1492.4	1227.8	1056.9
115°	2300.8	2337.0	2481.6	2626.1	2481.6	2337.0	2300.8	1918.4	1408.4	1153.5	1009.6
117.5°	2137.8	2177.8	2338.2	2498.6	2338.2	2177.8	2137.8	1792.6	1332.4	1102.3	979.9
120°	2027.9	2066.9	2222.7	2378.5	2222.7	2066.9	2027.9	1712.5	1292.1	1081.8	969.9
122.5°	1918.1	1956.5	2110.2	2263.9	2110.2	1956.5	1918.1	1634.2	1255.5	1066.2	964.7
125°	1772.9	1808.2	1949.8	2091.4	1949.8	1808.2	1772.9	1531.6	1209.9	1049.1	960.4
127.5°	1656.2	1686.1	1805.5	1925.0	1805.5	1686.1	1656.2	1449.1	1172.9	1034.8	958.0
130°	1582.5	1610.1	1720.5	1830.8	1720.5	1610.1	1582.5	1398.1	1152.2	1029.3	959.4
132.5°	1519.7	1544.4	1643.3	1742.1	1643.3	1544.4	1519.7	1354.7	1134.6	1024.5	960.4
135°	1431.1	1452.4	1537.6	1622.7	1537.6	1452.4	1431.1	1292.9	1108.5	1016.4	959.5
137.5°	1365.6	1383.0	1452.7	1522.4	1452.7	1383.0	1365.6	1248.7	1092.9	1015.0	965.4
140°	1313.1	1329.4	1394.6	1459.7	1394.6	1329.4	1313.1	1212.1	1077.5	1010.2	966.4
142.5°	1276.3	1290.3	1346.3	1402.5	1346.3	1290.3	1276.3	1187.6	1069.3	1010.2	969.9
145°	1221.0	1231.6	1274.1	1316.5	1274.1	1231.6	1221.0	1148.5	1051.8	1003.4	969.9
147.5°	1174.6	1183.4	1218.6	1253.8	1218.6	1183.4	1174.6	1117.6	1041.4	1003.4	976.6
150°	1148.0	1155.1	1183.7	1212.1	1183.7	1155.1	1148.0	1099.8	1035.5	1003.4	980.0
152.5°	1126.9	1132.2	1153.7	1175.3	1153.7	1132.2	1126.9	1085.7	1030.8	1003.4	982.3
155°	1101.7	1105.3	1119.5	1133.7	1119.5	1105.3	1101.7	1068.9	1025.2	1003.4	987.3
157.5°	1079.8	1082.2	1092.3	1102.3	1092.3	1082.2	1079.8	1054.3	1020.3	1003.4	992.3
160°	1068.9	1070.3	1076.1	1081.8	1076.1	1070.3	1068.9	1047.0	1018.0	1003.4	994.6
162.5°	1058.6	1060.0	1065.5	1070.9	1065.5	1060.0	1058.6	1040.2	1015.7	1003.4	997.0
165°	1043.0	1044.4	1050.2	1055.9	1050.2	1044.4	1043.0	1029.8	1012.2	1003.4	1000.5
167.5°	1036.1	1036.7	1039.1	1041.6	1039.1	1036.7	1036.1	1027.5	1016.0	1010.2	1007.8
170°	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1027.5	1016.0	1010.2	1010.0
172.5°	1030.7	1030.2	1028.1	1025.9	1028.1	1030.2	1030.7	1023.8	1014.8	1010.2	1010.2
175°	1023.2	1023.2	1023.2	1023.2	1023.2	1023.2	1023.2	1018.9	1013.1	1010.2	1011.6
177.5°	1021.8	1021.2	1018.8	1016.4	1018.8	1021.2	1021.8	1018.4	1013.8	1011.5	1012.6
180°	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2356.3	2356.3	2356.3	2356.3	2356.3
2.5°	2327.3	2338.5	2345.2	2354.1	2376.3
5°	2238.2	2280.5	2293.9	2327.3	2367.5
7.5°	2042.0	2171.2	2206.9	2287.2	2349.6
10°	1852.5	1981.8	2044.2	2233.7	2327.3
12.5°	1756.6	1832.4	1874.8	2140.1	2296.1
15°	1696.4	1749.9	1781.2	2015.3	2260.5
17.5°	1649.6	1687.6	1709.8	1892.7	2211.4
20°	1620.6	1638.5	1658.6	1803.4	2155.7
22.5°	1600.6	1589.5	1605.0	1741.1	2079.9
25°	1587.2	1544.8	1562.7	1692.0	1990.7
27.5°	1598.3	1504.7	1511.4	1647.4	1897.0
30°	1600.6	1455.7	1457.9	1600.6	1792.3
32.5°	1585.0	1404.4	1406.7	1542.6	1674.1
35°	1547.1	1344.2	1342.0	1475.7	1513.7
37.5°	1495.8	1279.6	1279.6	1402.2	1337.6
40°	1433.4	1215.0	1221.6	1306.3	1181.5
42.5°	1357.6	1145.8	1154.7	1179.3	1065.6
45°	1275.1	1078.9	1085.7	996.4	976.4
47.5°	1183.7	1009.9	1012.1	827.0	947.4
50°	1074.5	938.5	929.6	708.9	945.2
52.5°	978.6	860.5	833.8	642.0	858.3
55°	885.0	778.0	720.0	590.7	795.8
57.5°	802.5	671.0	615.2	530.6	782.5
60°	726.7	566.2	523.9	465.9	717.8
62.5°	664.3	488.2	479.3	421.3	650.9
65°	597.4	434.7	432.5	383.5	552.9
67.5°	532.8	399.0	396.8	347.7	421.3
70°	463.7	361.2	356.7	309.9	312.1
72.5°	392.3	318.8	314.3	278.7	258.6
75°	321.0	269.7	267.5	243.0	209.6
77.5°	251.9	214.0	218.4	196.2	153.8
80°	180.6	156.1	160.5	140.4	115.9
82.5°	120.4	102.6	107.0	89.1	78.0
85°	66.8	58.0	60.2	46.8	35.7
87.5°	31.2	26.8	26.8	17.8	11.2
90°	30.0	19.1	17.7	12.3	6.9
92.5°	185.1	131.7	120.1	73.7	27.3
95°	455.4	256.5	235.2	150.4	65.5
97.5°	613.4	281.7	263.0	188.0	113.2
100°	670.9	302.8	285.9	218.0	150.1
102.5°	697.4	324.0	308.2	244.8	181.5
105°	716.9	355.4	341.9	288.3	234.7
107.5°	720.6	401.7	389.3	339.2	289.2
110°	715.0	427.6	416.3	371.2	326.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	715.3	459.1	448.3	405.2	362.2
115°	722.0	506.2	496.2	456.5	416.8
117.5°	735.3	551.8	542.8	506.8	470.7
120°	746.2	578.4	569.9	536.0	502.0
122.5°	761.9	609.8	601.3	567.0	532.8
125°	783.1	650.0	642.2	611.0	579.8
127.5°	804.3	688.9	681.0	649.5	618.0
130°	819.6	714.8	706.3	672.4	638.4
132.5°	832.2	736.0	727.5	693.6	659.6
135°	845.8	760.5	752.8	721.9	691.0
137.5°	866.3	792.0	784.3	753.7	723.0
140°	878.7	813.0	806.0	777.8	749.6
142.5°	889.3	828.8	822.3	796.2	770.1
145°	902.9	852.7	846.9	824.2	801.4
147.5°	922.9	882.7	877.2	855.0	832.9
150°	933.4	898.3	893.3	873.4	853.4
152.5°	940.2	908.6	904.8	889.6	874.4
155°	955.2	931.1	928.3	917.1	905.9
157.5°	970.2	953.6	950.8	940.0	929.1
160°	977.0	963.8	961.7	953.2	944.7
162.5°	984.3	974.7	973.2	966.7	960.4
165°	994.8	990.5	989.1	983.3	977.5
167.5°	1002.9	999.3	998.6	995.9	993.2
170°	1009.8	1009.5	1008.8	1006.1	1003.4
172.5°	1010.2	1010.2	1010.0	1009.4	1008.8
175°	1014.3	1016.4	1016.4	1016.4	1016.4
177.5°	1014.8	1016.4	1016.4	1016.4	1016.4
180°	1016.4	1016.4	1016.4	1016.4	1016.4



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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	13.94	14.78	14.91	15.77	17.07	16.76	17.61	17.73	18.59	19.89
	3H	14.41	15.17	15.40	16.16	17.48	18.10	18.86	19.09	19.86	21.18
	4H	14.60	15.32	15.60	16.32	17.65	18.55	19.26	19.54	20.26	21.59
	6H	14.72	15.38	15.73	16.38	17.72	18.83	19.49	19.84	20.49	21.83
	8H	14.72	15.35	15.74	16.37	17.71	18.90	19.53	19.92	20.55	21.89
	12H	14.69	15.29	15.71	16.30	17.66	18.94	19.54	19.96	20.55	21.91
4H	2H	14.97	15.68	15.97	16.68	18.01	17.17	17.88	18.17	18.88	20.21
	3H	15.99	16.59	17.00	17.62	18.96	18.67	19.27	19.68	20.30	21.64
	4H	16.27	16.81	17.29	17.83	19.20	19.20	19.74	20.22	20.76	22.13
	6H	16.39	16.86	17.42	17.90	19.27	19.56	20.03	20.59	21.07	22.43
	8H	16.40	16.83	17.43	17.87	19.25	19.67	20.10	20.70	21.14	22.52
	12H	16.36	16.76	17.41	17.81	19.19	19.72	20.12	20.77	21.17	22.55
8H	4H	16.72	17.16	17.75	18.19	19.57	19.32	19.76	20.35	20.80	22.17
	6H	16.98	17.34	18.03	18.42	19.79	19.75	20.12	20.81	21.20	22.57
	8H	17.02	17.34	18.09	18.40	19.80	19.91	20.22	20.97	21.29	22.68
	12H	17.00	17.28	18.07	18.34	19.78	20.00	20.28	21.07	21.34	22.78
12H	4H	16.72	17.12	17.77	18.17	19.55	19.28	19.68	20.33	20.73	22.11
	6H	17.04	17.36	18.10	18.42	19.81	19.75	20.07	20.82	21.13	22.53
	8H	17.10	17.39	18.17	18.44	19.88	19.91	20.19	20.98	21.25	22.68