

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: P935755

Luminaire Tested: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-12-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935755
REPORT IS A COMBINATION OF REPORTS P933765 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-12-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

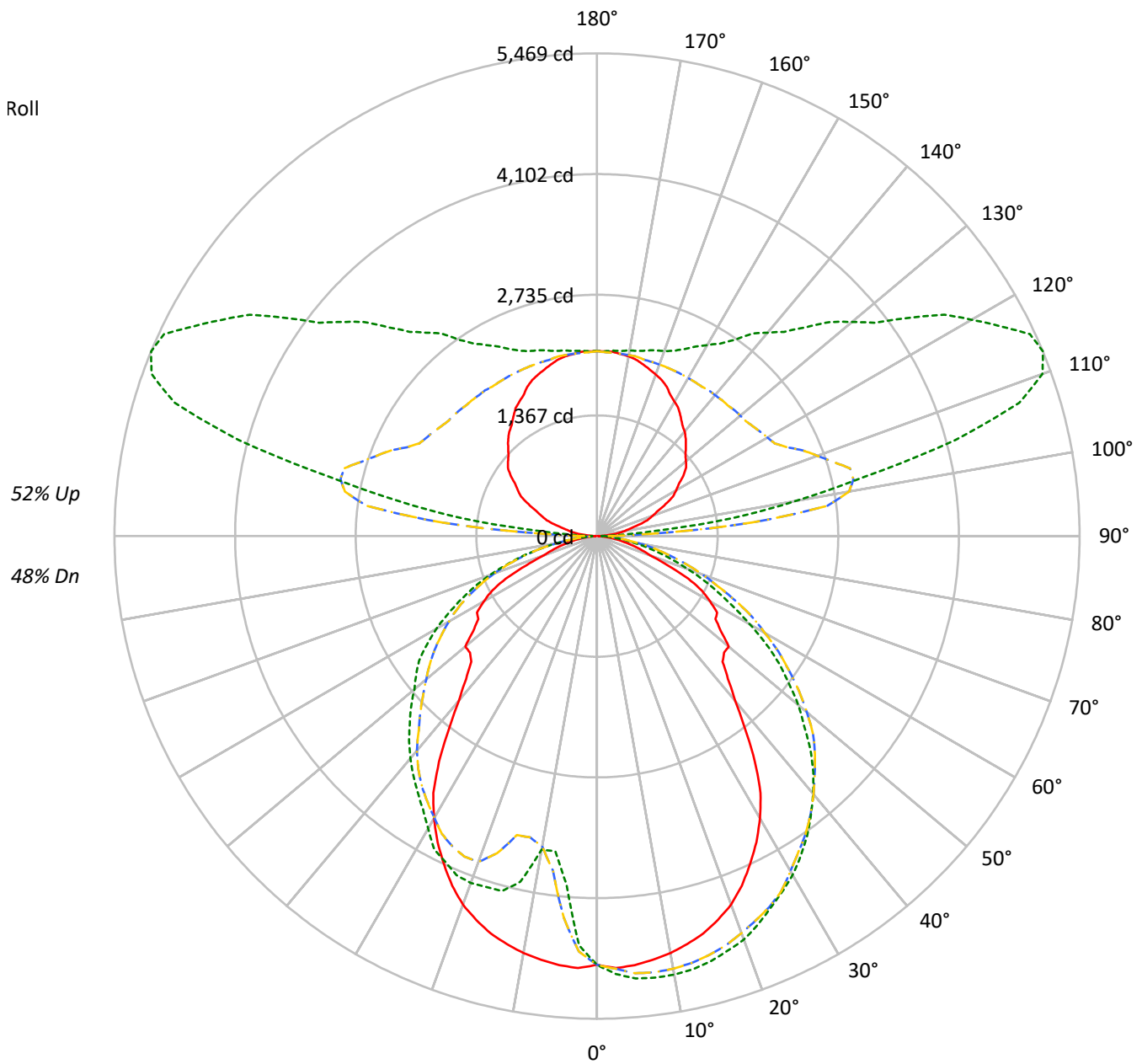
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26181.8 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 225.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



— 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	50	30	10
RCR																				
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48
1	97	93	89	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41	41	41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	41	39	34	34	34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29	29	29
4	74	63	55	49	68	59	52	46	50	44	40	41	37	34	34	31	28	25	25	25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21	21	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19	19	19
7	58	45	38	32	53	42	35	30	36	31	26	30	26	23	25	22	19	17	17	17
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13	13	13
10	47	34	27	22	43	32	26	21	28	22	19	24	19	16	20	16	14	12	12	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15023	15023	15023	15023
5°	15141	15165	15141	11925
10°	15046	14939	15046	10680
15°	14887	14615	14887	12204
20°	14582	14231	14582	12229
25°	13950	13672	13950	11970
30°	13132	13208	13132	11401
35°	11713	12621	11713	10776
40°	9765	11930	9765	10303
45°	8731	11120	8731	9760
50°	9283	10155	9283	9215
55°	8742	9115	8742	8899
60°	9023	7742	9023	8151
65°	8194	6400	8194	7154
70°	5688	5100	5688	5996
75°	5006	3770	5006	4514
80°	4065	2493	4065	2714
85°	2382	1320	2382	1122

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13373 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	438.4	1.7
10°-20°	1244.8	4.8
20°-30°	1924.3	7.3
30°-40°	2297.2	8.8
40°-50°	2310.7	8.8
50°-60°	2010.6	7.7
60°-70°	1425.5	5.4
70°-80°	754.2	2.9
80°-90°	195.8	0.7
90°-100°	1021.1	3.9
100°-110°	2684.7	10.3
110°-120°	2783.7	10.6
120°-130°	2232.9	8.5
130°-140°	1752.0	6.7
140°-150°	1344.7	5.1
150°-160°	968.4	3.7
160°-170°	592.5	2.3
170°-180°	200.2	0.8
0°-30°	3607.6	13.8
0°-40°	5904.8	22.6
0°-60°	10226.0	39.1
0°-90°	12601.5	48.1
90°-120°	6489.5	24.8
90°-150°	11819.1	45.1
90°-180°	13580.0	51.9
0°-180°	26181.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4857	4857	4857	4857	4857	
5°	4880	5032	4880	3956	4880	463
15°	4660	4986	4660	4163	4660	1311
25°	4104	4650	4104	4071	4104	1884
35°	3120	4149	3120	3543	3120	1930
45°	2013	3419	2013	3001	2013	1612
55°	1640	2523	1640	2463	1640	1507
65°	1140	1521	1140	1700	1140	1089
75°	432	721	432	864	432	454
85°	74	184	74	156	74	99
90°	14	53	14	53	14	15
95°	135	617	135	617	135	150
105°	484	4204	484	4204	484	513
115°	859	5413	859	5413	859	848
125°	1195	4311	1195	4311	1195	1061
135°	1424	3345	1424	3345	1424	1102
145°	1652	2714	1652	2714	1652	1035
155°	1867	2337	1867	2337	1867	858
165°	2015	2176	2015	2176	2015	569
175°	2095	2109	2095	2109	2095	199
180°	2095	2095	2095	2095	2095	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1
2.5°	4898.5	4898.5	4926.0	4935.2	4935.2	4921.4	4907.6	4921.4	4962.7	4976.6	4972.0
5°	4880.0	4916.8	4967.3	4976.6	4985.7	4981.1	4972.0	4981.1	5027.1	5036.3	5040.8
7.5°	4843.2	4912.2	4976.6	4990.3	5004.1	4990.3	4985.7	4994.9	5040.8	5050.1	5050.1
10°	4797.4	4893.8	4967.3	4976.6	4990.3	4976.6	4976.6	4994.9	5040.8	5050.1	5054.7
12.5°	4733.0	4866.2	4935.2	4944.4	4962.7	4958.1	4953.6	4972.0	5017.9	5027.1	5027.1
15°	4659.5	4815.7	4880.0	4889.2	4921.4	4912.2	4912.2	4930.6	4981.1	4994.9	4990.3
17.5°	4558.4	4751.4	4824.9	4838.7	4861.6	4857.1	4861.6	4880.0	4926.0	4935.2	4939.7
20°	4443.5	4664.0	4751.4	4765.1	4788.1	4788.1	4788.1	4811.1	4857.1	4875.5	4875.5
22.5°	4287.3	4572.1	4664.0	4673.3	4700.9	4700.9	4710.0	4742.1	4783.5	4788.1	4788.1
25°	4103.5	4471.0	4549.2	4576.8	4604.4	4618.1	4631.9	4650.3	4664.0	4659.5	4664.0
27.5°	3910.5	4342.4	4443.5	4461.9	4498.7	4512.4	4530.8	4535.4	4540.0	4553.8	4544.6
30°	3694.5	4163.2	4314.8	4333.2	4392.9	4402.2	4383.8	4392.9	4415.9	4425.2	4434.3
32.5°	3450.9	3896.7	4181.6	4222.9	4278.1	4250.5	4245.9	4259.7	4296.4	4296.4	4305.7
35°	3120.1	3689.9	4057.5	4094.2	4135.6	4103.5	4121.8	4126.4	4149.4	4163.2	4158.6
37.5°	2757.1	3510.7	3928.9	3956.5	3988.6	3947.2	3974.8	3988.6	4007.0	3997.7	3997.7
40°	2435.4	3230.3	3777.2	3795.6	3823.1	3791.0	3818.6	3827.7	3837.0	3827.7	3823.1
42.5°	2196.5	2922.5	3616.4	3639.4	3621.0	3643.9	3653.1	3671.5	3657.8	3639.4	3639.4
45°	2012.6	2839.8	3441.8	3469.3	3441.8	3478.5	3492.3	3492.3	3450.9	3441.8	3437.2
47.5°	1953.0	2674.4	3267.2	3267.2	3253.3	3299.3	3322.3	3290.1	3248.8	3235.0	3235.0
50°	1948.4	2490.6	3028.2	3009.8	3074.1	3129.3	3106.3	3074.1	3042.0	2991.5	2991.5
52.5°	1769.1	2265.4	2720.3	2789.3	2890.4	2922.5	2885.7	2853.6	2798.4	2775.5	2757.1
55°	1640.4	2031.1	2440.0	2577.9	2683.5	2724.9	2656.0	2623.8	2541.1	2527.3	2518.2
57.5°	1612.9	1691.0	2182.7	2357.3	2485.9	2481.4	2440.0	2380.3	2311.3	2297.6	2293.0
60°	1479.7	1222.3	1907.0	2113.7	2247.1	2233.2	2196.5	2141.3	2077.0	2067.8	2058.6
62.5°	1341.8	886.9	1594.5	1828.9	2017.2	2012.6	1980.5	1897.8	1851.9	1828.9	1810.5
65°	1139.6	744.4	1135.0	1521.0	1792.1	1801.3	1732.4	1672.6	1622.0	1594.5	1589.9
67.5°	868.5	606.5	767.4	1268.2	1576.2	1566.9	1479.7	1452.1	1387.7	1373.9	1346.3
70°	643.3	404.3	533.0	1029.3	1364.7	1341.8	1272.8	1240.7	1181.0	1148.7	1130.4
72.5°	533.0	326.2	390.6	799.5	1148.7	1121.2	1061.5	1024.7	974.1	946.6	928.2
75°	431.9	344.6	298.7	592.8	932.8	914.4	859.3	822.5	781.2	744.4	749.0
77.5°	317.1	321.7	239.0	436.6	739.8	712.3	680.0	634.2	615.8	579.0	579.0
80°	239.0	252.7	179.2	298.7	533.0	533.0	505.4	473.3	441.2	422.7	422.7
82.5°	160.8	160.8	133.2	188.4	363.1	349.2	330.8	321.7	303.3	294.1	294.1
85°	73.5	91.9	82.7	114.9	197.6	206.7	206.7	197.6	193.0	183.8	188.4
87.5°	23.0	41.4	50.5	64.4	101.1	105.7	110.2	110.2	110.2	114.9	114.9
90°	14.0	25.3	36.6	39.4	61.8	91.8	106.8	95.0	71.2	53.4	53.4
92.5°	56.2	151.8	247.5	271.4	381.5	528.3	601.8	527.3	378.6	267.1	256.5
95°	135.0	309.9	484.9	528.6	938.7	1485.5	1758.8	1569.5	1190.8	906.9	874.7
97.5°	233.4	387.7	542.1	580.7	1264.4	2176.1	2631.9	2512.3	2272.9	2093.5	2032.2
100°	309.3	449.3	589.3	624.3	1383.0	2394.7	2900.5	2909.3	2926.7	2939.9	2866.9
102.5°	374.0	504.6	635.2	667.8	1437.4	2463.4	2976.4	3128.9	3433.8	3662.6	3600.1
105°	483.6	594.2	704.8	732.5	1477.7	2471.2	2967.9	3309.7	3993.4	4506.1	4472.5
107.5°	596.1	699.2	802.3	828.1	1485.2	2361.3	2799.3	3276.0	4229.5	4944.7	4952.9
110°	672.1	765.1	858.3	881.5	1473.9	2263.7	2658.6	3191.7	4257.7	5057.2	5092.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	746.6	835.3	924.0	946.2	1474.3	2178.6	2530.7	3076.3	4167.3	4985.5	5039.3
115°	859.0	940.8	1022.7	1043.2	1488.0	2081.0	2377.5	2903.0	3954.0	4742.3	4816.8
117.5°	970.2	1044.5	1118.9	1137.4	1515.6	2019.9	2272.0	2746.3	3694.9	4406.2	4488.9
120°	1034.8	1104.7	1174.8	1192.3	1538.1	1999.3	2229.9	2663.3	3529.9	4179.9	4260.2
122.5°	1098.1	1168.7	1239.3	1256.9	1570.5	1988.5	2197.5	2587.8	3368.2	3953.6	4032.8
125°	1195.1	1259.4	1323.8	1339.9	1614.1	1979.6	2162.3	2493.8	3156.8	3654.0	3727.0
127.5°	1273.8	1338.8	1403.8	1420.0	1657.6	1974.4	2132.8	2417.4	2986.7	3413.6	3475.2
130°	1316.0	1386.0	1456.0	1473.4	1689.5	1977.6	2121.6	2375.0	2881.8	3261.8	3318.7
132.5°	1359.6	1429.5	1499.6	1517.0	1715.3	1979.6	2111.7	2338.6	2792.2	3132.5	3183.5
135°	1424.3	1488.0	1551.7	1567.6	1743.4	1977.8	2094.9	2284.9	2664.8	2949.7	2993.6
137.5°	1490.3	1553.4	1616.5	1632.3	1785.5	1989.9	2092.1	2252.7	2573.8	2814.7	2850.6
140°	1545.1	1603.2	1661.3	1675.9	1811.3	1991.9	2082.2	2220.9	2498.3	2706.4	2740.0
142.5°	1587.3	1641.1	1694.8	1708.2	1832.9	1999.1	2082.2	2204.1	2447.8	2630.6	2659.5
145°	1652.0	1698.9	1745.8	1757.5	1861.0	1999.1	2068.2	2167.9	2367.2	2516.6	2538.5
147.5°	1716.6	1762.3	1807.9	1819.3	1902.3	2012.9	2068.2	2146.6	2303.5	2421.0	2439.1
150°	1758.8	1800.1	1841.4	1851.7	1923.8	2020.0	2068.2	2134.5	2266.9	2366.2	2380.8
152.5°	1802.4	1833.7	1865.0	1872.8	1937.9	2024.8	2068.2	2124.8	2237.8	2322.6	2333.8
155°	1867.1	1890.2	1913.3	1919.1	1968.8	2035.1	2068.2	2113.2	2203.2	2270.6	2277.9
157.5°	1915.0	1937.4	1959.9	1965.6	1999.8	2045.4	2068.2	2103.1	2173.1	2225.6	2230.8
160°	1947.3	1964.7	1982.3	1986.6	2013.8	2050.1	2068.2	2098.2	2158.2	2203.2	2206.1
162.5°	1979.6	1992.7	2005.8	2009.1	2028.8	2055.1	2068.2	2093.5	2144.1	2182.1	2184.9
165°	2014.7	2026.6	2038.4	2041.4	2050.4	2062.2	2068.2	2086.3	2122.5	2149.7	2152.7
167.5°	2047.1	2052.7	2058.3	2059.7	2067.2	2077.3	2082.2	2094.1	2117.8	2135.6	2136.9
170°	2068.2	2073.8	2079.4	2080.8	2081.2	2081.9	2082.2	2094.1	2117.8	2135.6	2135.6
172.5°	2079.4	2080.7	2082.0	2082.2	2082.2	2082.2	2082.2	2091.6	2110.4	2124.4	2123.3
175°	2094.9	2094.9	2094.9	2094.9	2090.7	2085.0	2082.2	2088.2	2100.1	2108.9	2108.9
177.5°	2094.9	2094.9	2094.9	2094.9	2091.6	2087.2	2085.0	2089.7	2099.1	2106.1	2104.9
180°	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1
2.5°	4981.1	4967.3	4981.1	4972.0	4976.6	4962.7	4921.4	4907.6	4921.4	4935.2	4935.2
5°	5040.8	5031.7	5040.8	5040.8	5036.3	5027.1	4981.1	4972.0	4981.1	4985.7	4976.6
7.5°	5059.2	5045.5	5059.2	5050.1	5050.1	5040.8	4994.9	4985.7	4990.3	5004.1	4990.3
10°	5059.2	5045.5	5059.2	5054.7	5050.1	5040.8	4994.9	4976.6	4976.6	4990.3	4976.6
12.5°	5036.3	5027.1	5036.3	5027.1	5027.1	5017.9	4972.0	4953.6	4958.1	4962.7	4944.4
15°	4999.5	4985.7	4999.5	4990.3	4994.9	4981.1	4930.6	4912.2	4912.2	4921.4	4889.2
17.5°	4944.4	4926.0	4944.4	4939.7	4935.2	4926.0	4880.0	4861.6	4857.1	4861.6	4838.7
20°	4880.0	4866.2	4880.0	4875.5	4875.5	4857.1	4811.1	4788.1	4788.1	4788.1	4765.1
22.5°	4779.0	4765.1	4779.0	4788.1	4788.1	4783.5	4742.1	4710.0	4700.9	4700.9	4673.3
25°	4664.0	4650.3	4664.0	4664.0	4659.5	4664.0	4650.3	4631.9	4618.1	4604.4	4576.8
27.5°	4553.8	4544.6	4553.8	4544.6	4553.8	4540.0	4535.4	4530.8	4512.4	4498.7	4461.9
30°	4443.5	4434.3	4443.5	4434.3	4425.2	4415.9	4392.9	4383.8	4402.2	4392.9	4333.2
32.5°	4305.7	4296.4	4305.7	4305.7	4296.4	4296.4	4259.7	4245.9	4250.5	4278.1	4222.9
35°	4163.2	4149.4	4163.2	4158.6	4163.2	4149.4	4126.4	4121.8	4103.5	4135.6	4094.2
37.5°	3997.7	3984.0	3997.7	3997.7	3997.7	4007.0	3988.6	3974.8	3947.2	3988.6	3956.5
40°	3827.7	3809.4	3827.7	3823.1	3827.7	3837.0	3827.7	3818.6	3791.0	3823.1	3795.6
42.5°	3634.8	3630.1	3634.8	3639.4	3639.4	3657.8	3671.5	3653.1	3643.9	3621.0	3639.4
45°	3427.9	3418.8	3427.9	3437.2	3441.8	3450.9	3492.3	3492.3	3478.5	3441.8	3469.3
47.5°	3207.4	3184.4	3207.4	3235.0	3235.0	3248.8	3290.1	3322.3	3299.3	3253.3	3267.2
50°	2973.1	2977.6	2973.1	2991.5	2991.5	3042.0	3074.1	3106.3	3129.3	3074.1	3009.8
52.5°	2743.3	2738.7	2743.3	2757.1	2775.5	2798.4	2853.6	2885.7	2922.5	2890.4	2789.3
55°	2513.5	2522.8	2513.5	2518.2	2527.3	2541.1	2623.8	2656.0	2724.9	2683.5	2577.9
57.5°	2283.8	2270.0	2283.8	2293.0	2297.6	2311.3	2380.3	2440.0	2481.4	2485.9	2357.3
60°	2017.2	1998.9	2017.2	2058.6	2067.8	2077.0	2141.3	2196.5	2233.2	2247.1	2113.7
62.5°	1782.9	1750.8	1782.9	1810.5	1828.9	1851.9	1897.8	1980.5	2012.6	2017.2	1828.9
65°	1534.8	1521.0	1534.8	1589.9	1594.5	1622.0	1672.6	1732.4	1801.3	1792.1	1521.0
67.5°	1309.6	1309.6	1309.6	1346.3	1373.9	1387.7	1452.1	1479.7	1566.9	1576.2	1268.2
70°	1102.8	1098.2	1102.8	1130.4	1148.7	1181.0	1240.7	1272.8	1341.8	1364.7	1029.3
72.5°	905.3	900.6	905.3	928.2	946.6	974.1	1024.7	1061.5	1121.2	1148.7	799.5
75°	730.6	721.4	730.6	749.0	744.4	781.2	822.5	859.3	914.4	932.8	592.8
77.5°	560.6	560.6	560.6	579.0	579.0	615.8	634.2	680.0	712.3	739.8	436.6
80°	418.2	413.6	418.2	422.7	422.7	441.2	473.3	505.4	533.0	533.0	298.7
82.5°	294.1	284.9	294.1	294.1	294.1	303.3	321.7	330.8	349.2	363.1	188.4
85°	183.8	183.8	183.8	188.4	183.8	193.0	197.6	206.7	206.7	197.6	114.9
87.5°	119.5	114.9	119.5	114.9	114.9	110.2	110.2	110.2	105.7	101.1	64.4
90°	53.4	53.4	53.4	53.4	53.4	71.2	95.0	106.8	91.8	61.8	39.4
92.5°	214.0	171.5	214.0	256.5	267.1	378.6	527.3	601.8	528.3	381.5	271.4
95°	745.9	617.2	745.9	874.7	906.9	1190.8	1569.5	1758.8	1485.5	938.7	528.6
97.5°	1787.2	1542.3	1787.2	2032.2	2093.5	2272.9	2512.3	2631.9	2176.1	1264.4	580.7
100°	2575.1	2283.3	2575.1	2866.9	2939.9	2926.7	2909.3	2900.5	2394.7	1383.0	624.3
102.5°	3350.1	3100.2	3350.1	3600.1	3662.6	3433.8	3128.9	2976.4	2463.4	1437.4	667.8
105°	4338.2	4203.8	4338.2	4472.5	4506.1	3993.4	3309.7	2967.9	2471.2	1477.7	732.5
107.5°	4985.4	5017.9	4985.4	4952.9	4944.7	4229.5	3276.0	2799.3	2361.3	1485.2	828.1
110°	5232.2	5372.1	5232.2	5092.3	5057.2	4257.7	3191.7	2658.6	2263.7	1473.9	881.5



TEST NUMBER: P935755

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5254.2	5469.2	5254.2	5039.3	4985.5	4167.3	3076.3	2530.7	2178.6	1474.3	946.2
115°	5114.9	5413.0	5114.9	4816.8	4742.3	3954.0	2903.0	2377.5	2081.0	1488.0	1043.2
117.5°	4819.4	5150.0	4819.4	4488.9	4406.2	3694.9	2746.3	2272.0	2019.9	1515.6	1137.4
120°	4581.4	4902.5	4581.4	4260.2	4179.9	3529.9	2663.3	2229.9	1999.3	1538.1	1192.3
122.5°	4349.6	4666.4	4349.6	4032.8	3953.6	3368.2	2587.8	2197.5	1988.5	1570.5	1256.9
125°	4018.8	4310.6	4018.8	3727.0	3654.0	3156.8	2493.8	2162.3	1979.6	1614.1	1339.9
127.5°	3721.4	3967.6	3721.4	3475.2	3413.6	2986.7	2417.4	2132.8	1974.4	1657.6	1420.0
130°	3546.1	3773.6	3546.1	3318.7	3261.8	2881.8	2375.0	2121.6	1977.6	1689.5	1473.4
132.5°	3387.1	3590.8	3387.1	3183.5	3132.5	2792.2	2338.6	2111.7	1979.6	1715.3	1517.0
135°	3169.1	3344.8	3169.1	2993.6	2949.7	2664.8	2284.9	2094.9	1977.8	1743.4	1567.6
137.5°	2994.4	3138.1	2994.4	2850.6	2814.7	2573.8	2252.7	2092.1	1989.9	1785.5	1632.3
140°	2874.4	3008.8	2874.4	2740.0	2706.4	2498.3	2220.9	2082.2	1991.9	1811.3	1675.9
142.5°	2775.0	2890.6	2775.0	2659.5	2630.6	2447.8	2204.1	2082.2	1999.1	1832.9	1708.2
145°	2626.0	2713.5	2626.0	2538.5	2516.6	2367.2	2167.9	2068.2	1999.1	1861.0	1757.5
147.5°	2511.6	2584.1	2511.6	2439.1	2421.0	2303.5	2146.6	2068.2	2012.9	1902.3	1819.3
150°	2439.7	2498.4	2439.7	2380.8	2366.2	2266.9	2134.5	2068.2	2020.0	1923.8	1851.7
152.5°	2378.1	2422.5	2378.1	2333.8	2322.6	2237.8	2124.8	2068.2	2024.8	1937.9	1872.8
155°	2307.3	2336.7	2307.3	2277.9	2270.6	2203.2	2113.2	2068.2	2035.1	1968.8	1919.1
157.5°	2251.4	2272.0	2251.4	2230.8	2225.6	2173.1	2103.1	2068.2	2045.4	1999.8	1965.6
160°	2218.0	2229.9	2218.0	2206.1	2203.2	2158.2	2098.2	2068.2	2050.1	2013.8	1986.6
162.5°	2196.1	2207.3	2196.1	2184.9	2182.1	2144.1	2093.5	2068.2	2055.1	2028.8	2009.1
165°	2164.5	2176.5	2164.5	2152.7	2149.7	2122.5	2086.3	2068.2	2062.2	2050.4	2041.4
167.5°	2141.9	2146.9	2141.9	2136.9	2135.6	2117.8	2094.1	2082.2	2077.3	2067.2	2059.7
170°	2135.6	2135.6	2135.6	2135.6	2135.6	2117.8	2094.1	2082.2	2081.9	2081.2	2080.8
172.5°	2118.9	2114.5	2118.9	2123.3	2124.4	2110.4	2091.6	2082.2	2082.2	2082.2	2082.2
175°	2108.9	2108.9	2108.9	2108.9	2108.9	2100.1	2088.2	2082.2	2085.0	2090.7	2094.9
177.5°	2099.9	2094.9	2099.9	2104.9	2106.1	2099.1	2089.7	2085.0	2087.2	2091.6	2094.9
180°	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9



TEST NUMBER: P935755
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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1
2.5°	4926.0	4898.5	4898.5	4852.5	4834.1	4820.3	4797.4	4728.4	4710.0	4691.6	4719.2
5°	4967.3	4916.8	4880.0	4797.4	4728.4	4700.9	4613.5	4448.1	4337.8	4255.1	4209.2
7.5°	4976.6	4912.2	4843.2	4714.6	4549.2	4475.7	4209.2	3905.9	3823.1	3749.6	3703.6
10°	4967.3	4893.8	4797.4	4604.4	4213.7	4085.1	3818.6	3621.0	3570.4	3556.6	3570.4
12.5°	4935.2	4866.2	4733.0	4411.3	3864.5	3777.2	3621.0	3506.1	3496.9	3519.9	3643.9
15°	4880.0	4815.7	4659.5	4154.0	3671.5	3607.2	3496.9	3455.5	3506.1	3666.9	4039.1
17.5°	4824.9	4751.4	4558.4	3901.2	3524.5	3478.5	3400.4	3483.2	3768.0	3984.0	4108.1
20°	4751.4	4664.0	4443.5	3717.5	3418.8	3377.4	3340.7	3712.9	3928.9	4007.0	4075.8
22.5°	4664.0	4572.1	4287.3	3588.8	3308.5	3276.3	3299.3	3841.5	3928.9	3984.0	4043.7
25°	4549.2	4471.0	4103.5	3487.7	3221.2	3184.4	3271.7	3827.7	3878.3	3892.1	4011.6
27.5°	4443.5	4342.4	3910.5	3395.8	3115.5	3101.7	3294.7	3768.0	3804.8	3818.6	3947.2
30°	4314.8	4163.2	3694.5	3299.3	3005.2	3000.6	3299.3	3694.5	3685.3	3722.0	3850.7
32.5°	4181.6	3896.7	3450.9	3179.8	2899.5	2895.0	3267.2	3584.2	3575.0	3625.5	3722.0
35°	4057.5	3689.9	3120.1	3042.0	2766.3	2770.9	3189.1	3455.5	3460.2	3506.1	3565.8
37.5°	3928.9	3510.7	2757.1	2890.4	2637.6	2637.6	3083.3	3336.1	3326.9	3340.7	3423.4
40°	3777.2	3230.3	2435.4	2692.8	2518.2	2504.3	2954.7	3207.4	3175.2	3170.7	3285.6
42.5°	3616.4	2922.5	2196.5	2430.8	2380.3	2361.9	2798.4	3051.2	2991.5	3005.2	3152.2
45°	3441.8	2839.8	2012.6	2054.0	2237.8	2224.1	2628.4	2872.0	2830.6	2867.4	3019.0
47.5°	3267.2	2674.4	1953.0	1704.8	2086.2	2081.6	2440.0	2697.4	2674.4	2711.1	2872.0
50°	3028.2	2490.6	1948.4	1461.3	1916.1	1934.5	2214.8	2527.3	2527.3	2559.5	2729.5
52.5°	2720.3	2265.4	1769.1	1323.4	1718.5	1773.8	2017.2	2380.3	2389.4	2421.7	2573.3
55°	2440.0	2031.1	1640.4	1217.7	1484.2	1603.7	1824.3	2228.6	2247.1	2279.2	2417.1
57.5°	2182.7	1691.0	1612.9	1093.6	1268.2	1383.2	1654.3	2081.6	2090.8	2118.3	2251.6
60°	1907.0	1222.3	1479.7	960.4	1079.9	1167.2	1498.0	1907.0	1939.1	1957.5	2072.4
62.5°	1594.5	886.9	1341.8	868.5	988.0	1006.4	1369.3	1741.5	1782.9	1796.7	1865.6
65°	1135.0	744.4	1139.6	790.4	891.5	896.0	1231.5	1571.5	1608.3	1631.3	1681.8
67.5°	767.4	606.5	868.5	716.8	817.9	822.5	1098.2	1373.9	1424.5	1442.9	1475.1
70°	533.0	404.3	643.3	638.7	735.3	744.4	955.8	1194.7	1240.7	1254.5	1272.8
72.5°	390.6	326.2	533.0	574.4	647.9	657.1	808.8	992.5	1038.5	1052.2	1061.5
75°	298.7	344.6	431.9	500.8	551.4	556.0	661.7	808.8	840.9	850.1	854.7
77.5°	239.0	321.7	317.1	404.3	450.3	441.2	519.3	624.9	652.5	652.5	652.5
80°	179.2	252.7	239.0	289.5	330.8	321.7	372.2	445.7	454.9	464.1	459.6
82.5°	133.2	160.8	160.8	183.8	220.6	211.4	248.1	289.5	289.5	289.5	298.7
85°	82.7	91.9	73.5	96.5	124.1	119.5	137.9	156.2	160.8	160.8	151.6
87.5°	50.5	41.4	23.0	36.7	55.1	55.1	64.4	68.9	64.4	64.4	64.4
90°	36.6	25.3	14.0	25.3	36.6	39.4	61.8	91.8	106.8	95.0	71.2
92.5°	247.5	151.8	56.2	151.8	247.5	271.4	381.5	528.3	601.8	527.3	378.6
95°	484.9	309.9	135.0	309.9	484.9	528.6	938.7	1485.5	1758.8	1569.5	1190.8
97.5°	542.1	387.7	233.4	387.7	542.1	580.7	1264.4	2176.1	2631.9	2512.3	2272.9
100°	589.3	449.3	309.3	449.3	589.3	624.3	1383.0	2394.7	2900.5	2909.3	2926.7
102.5°	635.2	504.6	374.0	504.6	635.2	667.8	1437.4	2463.4	2976.4	3128.9	3433.8
105°	704.8	594.2	483.6	594.2	704.8	732.5	1477.7	2471.2	2967.9	3309.7	3993.4
107.5°	802.3	699.2	596.1	699.2	802.3	828.1	1485.2	2361.3	2799.3	3276.0	4229.5
110°	858.3	765.1	672.1	765.1	858.3	881.5	1473.9	2263.7	2658.6	3191.7	4257.7



TEST NUMBER: P935755

CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	924.0	835.3	746.6	835.3	924.0	946.2	1474.3	2178.6	2530.7	3076.3	4167.3
115°	1022.7	940.8	859.0	940.8	1022.7	1043.2	1488.0	2081.0	2377.5	2903.0	3954.0
117.5°	1118.9	1044.5	970.2	1044.5	1118.9	1137.4	1515.6	2019.9	2272.0	2746.3	3694.9
120°	1174.8	1104.7	1034.8	1104.7	1174.8	1192.3	1538.1	1999.3	2229.9	2663.3	3529.9
122.5°	1239.3	1168.7	1098.1	1168.7	1239.3	1256.9	1570.5	1988.5	2197.5	2587.8	3368.2
125°	1323.8	1259.4	1195.1	1259.4	1323.8	1339.9	1614.1	1979.6	2162.3	2493.8	3156.8
127.5°	1403.8	1338.8	1273.8	1338.8	1403.8	1420.0	1657.6	1974.4	2132.8	2417.4	2986.7
130°	1456.0	1386.0	1316.0	1386.0	1456.0	1473.4	1689.5	1977.6	2121.6	2375.0	2881.8
132.5°	1499.6	1429.5	1359.6	1429.5	1499.6	1517.0	1715.3	1979.6	2111.7	2338.6	2792.2
135°	1551.7	1488.0	1424.3	1488.0	1551.7	1567.6	1743.4	1977.8	2094.9	2284.9	2664.8
137.5°	1616.5	1553.4	1490.3	1553.4	1616.5	1632.3	1785.5	1989.9	2092.1	2252.7	2573.8
140°	1661.3	1603.2	1545.1	1603.2	1661.3	1675.9	1811.3	1991.9	2082.2	2220.9	2498.3
142.5°	1694.8	1641.1	1587.3	1641.1	1694.8	1708.2	1832.9	1999.1	2082.2	2204.1	2447.8
145°	1745.8	1698.9	1652.0	1698.9	1745.8	1757.5	1861.0	1999.1	2068.2	2167.9	2367.2
147.5°	1807.9	1762.3	1716.6	1762.3	1807.9	1819.3	1902.3	2012.9	2068.2	2146.6	2303.5
150°	1841.4	1800.1	1758.8	1800.1	1841.4	1851.7	1923.8	2020.0	2068.2	2134.5	2266.9
152.5°	1865.0	1833.7	1802.4	1833.7	1865.0	1872.8	1937.9	2024.8	2068.2	2124.8	2237.8
155°	1913.3	1890.2	1867.1	1890.2	1913.3	1919.1	1968.8	2035.1	2068.2	2113.2	2203.2
157.5°	1959.9	1937.4	1915.0	1937.4	1959.9	1965.6	1999.8	2045.4	2068.2	2103.1	2173.1
160°	1982.3	1964.7	1947.3	1964.7	1982.3	1986.6	2013.8	2050.1	2068.2	2098.2	2158.2
162.5°	2005.8	1992.7	1979.6	1992.7	2005.8	2009.1	2028.8	2055.1	2068.2	2093.5	2144.1
165°	2038.4	2026.6	2014.7	2026.6	2038.4	2041.4	2050.4	2062.2	2068.2	2086.3	2122.5
167.5°	2058.3	2052.7	2047.1	2052.7	2058.3	2059.7	2067.2	2077.3	2082.2	2094.1	2117.8
170°	2079.4	2073.8	2068.2	2073.8	2079.4	2080.8	2081.2	2081.9	2082.2	2094.1	2117.8
172.5°	2082.0	2080.7	2079.4	2080.7	2082.0	2082.2	2082.2	2082.2	2082.2	2091.6	2110.4
175°	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2090.7	2085.0	2082.2	2088.2	2100.1
177.5°	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2091.6	2087.2	2085.0	2089.7	2099.1
180°	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9



TEST NUMBER: P935755
 CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1	4857.1
2.5°	4687.0	4673.3	4691.6	4641.1	4691.6	4673.3	4687.0	4719.2	4691.6	4710.0	4728.4
5°	4112.7	4089.7	4016.1	3956.5	4016.1	4089.7	4112.7	4209.2	4255.1	4337.8	4448.1
7.5°	3676.1	3657.8	3639.4	3602.6	3639.4	3657.8	3676.1	3703.6	3749.6	3823.1	3905.9
10°	3579.6	3584.2	3611.8	3607.2	3611.8	3584.2	3579.6	3570.4	3556.6	3570.4	3621.0
12.5°	3827.7	3869.1	4020.7	4011.6	4020.7	3869.1	3827.7	3643.9	3519.9	3496.9	3506.1
15°	4112.7	4126.4	4158.6	4163.2	4158.6	4126.4	4112.7	4039.1	3666.9	3506.1	3455.5
17.5°	4140.2	4144.8	4167.8	4167.8	4167.8	4144.8	4140.2	4108.1	3984.0	3768.0	3483.2
20°	4117.2	4126.4	4172.4	4181.6	4172.4	4126.4	4117.2	4075.8	4007.0	3928.9	3712.9
22.5°	4108.1	4126.4	4163.2	4158.6	4163.2	4126.4	4108.1	4043.7	3984.0	3928.9	3841.5
25°	4062.1	4062.1	4066.7	4071.3	4066.7	4062.1	4062.1	4011.6	3892.1	3878.3	3827.7
27.5°	3965.6	3974.8	4002.4	3997.7	4002.4	3974.8	3965.6	3947.2	3818.6	3804.8	3768.0
30°	3878.3	3869.1	3846.1	3827.7	3846.1	3869.1	3878.3	3850.7	3722.0	3685.3	3694.5
32.5°	3731.3	3708.3	3685.3	3671.5	3685.3	3708.3	3731.3	3722.0	3625.5	3575.0	3584.2
35°	3556.6	3561.3	3556.6	3542.9	3556.6	3561.3	3556.6	3565.8	3506.1	3460.2	3455.5
37.5°	3432.6	3441.8	3437.2	3418.8	3437.2	3441.8	3432.6	3423.4	3340.7	3326.9	3336.1
40°	3303.9	3308.5	3303.9	3290.1	3303.9	3308.5	3303.9	3285.6	3170.7	3175.2	3207.4
42.5°	3179.8	3175.2	3161.5	3152.2	3161.5	3175.2	3179.8	3152.2	3005.2	2991.5	3051.2
45°	3037.4	3042.0	3014.4	3000.6	3014.4	3042.0	3037.4	3019.0	2867.4	2830.6	2872.0
47.5°	2895.0	2895.0	2872.0	2858.1	2872.0	2895.0	2895.0	2872.0	2711.1	2674.4	2697.4
50°	2743.3	2738.7	2706.5	2701.9	2706.5	2738.7	2743.3	2729.5	2559.5	2527.3	2527.3
52.5°	2568.7	2568.7	2573.3	2582.4	2573.3	2568.7	2568.7	2573.3	2421.7	2389.4	2380.3
55°	2417.1	2421.7	2453.8	2463.0	2453.8	2421.7	2417.1	2417.1	2279.2	2247.1	2228.6
57.5°	2260.8	2260.8	2283.8	2283.8	2283.8	2260.8	2260.8	2251.6	2118.3	2090.8	2081.6
60°	2081.6	2090.8	2109.2	2104.6	2109.2	2090.8	2081.6	2072.4	1957.5	1939.1	1907.0
62.5°	1893.2	1902.4	1907.0	1897.8	1907.0	1902.4	1893.2	1865.6	1796.7	1782.9	1741.5
65°	1695.6	1704.8	1709.4	1700.2	1709.4	1704.8	1695.6	1681.8	1631.3	1608.3	1571.5
67.5°	1493.4	1488.8	1484.2	1502.6	1484.2	1488.8	1493.4	1475.1	1442.9	1424.5	1373.9
70°	1286.6	1286.6	1282.1	1291.2	1282.1	1286.6	1286.6	1272.8	1254.5	1240.7	1194.7
72.5°	1066.1	1061.5	1079.9	1066.1	1079.9	1061.5	1066.1	1061.5	1052.2	1038.5	992.5
75°	850.1	859.3	850.1	863.9	850.1	859.3	850.1	854.7	850.1	840.9	808.8
77.5°	647.9	657.1	647.9	647.9	647.9	657.1	647.9	652.5	652.5	652.5	624.9
80°	459.6	454.9	454.9	450.3	454.9	454.9	459.6	459.6	464.1	454.9	445.7
82.5°	294.1	289.5	289.5	298.7	289.5	289.5	294.1	298.7	289.5	289.5	289.5
85°	160.8	165.5	156.2	156.2	156.2	165.5	160.8	151.6	160.8	160.8	156.2
87.5°	59.7	55.1	55.1	55.1	55.1	55.1	59.7	64.4	64.4	64.4	68.9
90°	53.4	53.4	53.4	53.4	53.4	53.4	53.4	71.2	95.0	106.8	91.8
92.5°	267.1	256.5	214.0	171.5	214.0	256.5	267.1	378.6	527.3	601.8	528.3
95°	906.9	874.7	745.9	617.2	745.9	874.7	906.9	1190.8	1569.5	1758.8	1485.5
97.5°	2093.5	2032.2	1787.2	1542.3	1787.2	2032.2	2093.5	2272.9	2512.3	2631.9	2176.1
100°	2939.9	2866.9	2575.1	2283.3	2575.1	2866.9	2939.9	2926.7	2909.3	2900.5	2394.7
102.5°	3662.6	3600.1	3350.1	3100.2	3350.1	3600.1	3662.6	3433.8	3128.9	2976.4	2463.4
105°	4506.1	4472.5	4338.2	4203.8	4338.2	4472.5	4506.1	3993.4	3309.7	2967.9	2471.2
107.5°	4944.7	4952.9	4985.4	5017.9	4985.4	4952.9	4944.7	4229.5	3276.0	2799.3	2361.3
110°	5057.2	5092.3	5232.2	5372.1	5232.2	5092.3	5057.2	4257.7	3191.7	2658.6	2263.7



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4985.5	5039.3	5254.2	5469.2	5254.2	5039.3	4985.5	4167.3	3076.3	2530.7	2178.6
115°	4742.3	4816.8	5114.9	5413.0	5114.9	4816.8	4742.3	3954.0	2903.0	2377.5	2081.0
117.5°	4406.2	4488.9	4819.4	5150.0	4819.4	4488.9	4406.2	3694.9	2746.3	2272.0	2019.9
120°	4179.9	4260.2	4581.4	4902.5	4581.4	4260.2	4179.9	3529.9	2663.3	2229.9	1999.3
122.5°	3953.6	4032.8	4349.6	4666.4	4349.6	4032.8	3953.6	3368.2	2587.8	2197.5	1988.5
125°	3654.0	3727.0	4018.8	4310.6	4018.8	3727.0	3654.0	3156.8	2493.8	2162.3	1979.6
127.5°	3413.6	3475.2	3721.4	3967.6	3721.4	3475.2	3413.6	2986.7	2417.4	2132.8	1974.4
130°	3261.8	3318.7	3546.1	3773.6	3546.1	3318.7	3261.8	2881.8	2375.0	2121.6	1977.6
132.5°	3132.5	3183.5	3387.1	3590.8	3387.1	3183.5	3132.5	2792.2	2338.6	2111.7	1979.6
135°	2949.7	2993.6	3169.1	3344.8	3169.1	2993.6	2949.7	2664.8	2284.9	2094.9	1977.8
137.5°	2814.7	2850.6	2994.4	3138.1	2994.4	2850.6	2814.7	2573.8	2252.7	2092.1	1989.9
140°	2706.4	2740.0	2874.4	3008.8	2874.4	2740.0	2706.4	2498.3	2220.9	2082.2	1991.9
142.5°	2630.6	2659.5	2775.0	2890.6	2775.0	2659.5	2630.6	2447.8	2204.1	2082.2	1999.1
145°	2516.6	2538.5	2626.0	2713.5	2626.0	2538.5	2516.6	2367.2	2167.9	2068.2	1999.1
147.5°	2421.0	2439.1	2511.6	2584.1	2511.6	2439.1	2421.0	2303.5	2146.6	2068.2	2012.9
150°	2366.2	2380.8	2439.7	2498.4	2439.7	2380.8	2366.2	2266.9	2134.5	2068.2	2020.0
152.5°	2322.6	2333.8	2378.1	2422.5	2378.1	2333.8	2322.6	2237.8	2124.8	2068.2	2024.8
155°	2270.6	2277.9	2307.3	2336.7	2307.3	2277.9	2270.6	2203.2	2113.2	2068.2	2035.1
157.5°	2225.6	2230.8	2251.4	2272.0	2251.4	2230.8	2225.6	2173.1	2103.1	2068.2	2045.4
160°	2203.2	2206.1	2218.0	2229.9	2218.0	2206.1	2203.2	2158.2	2098.2	2068.2	2050.1
162.5°	2182.1	2184.9	2196.1	2207.3	2196.1	2184.9	2182.1	2144.1	2093.5	2068.2	2055.1
165°	2149.7	2152.7	2164.5	2176.5	2164.5	2152.7	2149.7	2122.5	2086.3	2068.2	2062.2
167.5°	2135.6	2136.9	2141.9	2146.9	2141.9	2136.9	2135.6	2117.8	2094.1	2082.2	2077.3
170°	2135.6	2135.6	2135.6	2135.6	2135.6	2135.6	2135.6	2117.8	2094.1	2082.2	2081.9
172.5°	2124.4	2123.3	2118.9	2114.5	2118.9	2123.3	2124.4	2110.4	2091.6	2082.2	2082.2
175°	2108.9	2108.9	2108.9	2108.9	2108.9	2108.9	2108.9	2100.1	2088.2	2082.2	2085.0
177.5°	2106.1	2104.9	2099.9	2094.9	2099.9	2104.9	2106.1	2099.1	2089.7	2085.0	2087.2
180°	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9	2094.9



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4857.1	4857.1	4857.1	4857.1	4857.1
2.5°	4797.4	4820.3	4834.1	4852.5	4898.5
5°	4613.5	4700.9	4728.4	4797.4	4880.0
7.5°	4209.2	4475.7	4549.2	4714.6	4843.2
10°	3818.6	4085.1	4213.7	4604.4	4797.4
12.5°	3621.0	3777.2	3864.5	4411.3	4733.0
15°	3496.9	3607.2	3671.5	4154.0	4659.5
17.5°	3400.4	3478.5	3524.5	3901.2	4558.4
20°	3340.7	3377.4	3418.8	3717.5	4443.5
22.5°	3299.3	3276.3	3308.5	3588.8	4287.3
25°	3271.7	3184.4	3221.2	3487.7	4103.5
27.5°	3294.7	3101.7	3115.5	3395.8	3910.5
30°	3299.3	3000.6	3005.2	3299.3	3694.5
32.5°	3267.2	2895.0	2899.5	3179.8	3450.9
35°	3189.1	2770.9	2766.3	3042.0	3120.1
37.5°	3083.3	2637.6	2637.6	2890.4	2757.1
40°	2954.7	2504.3	2518.2	2692.8	2435.4
42.5°	2798.4	2361.9	2380.3	2430.8	2196.5
45°	2628.4	2224.1	2237.8	2054.0	2012.6
47.5°	2440.0	2081.6	2086.2	1704.8	1953.0
50°	2214.8	1934.5	1916.1	1461.3	1948.4
52.5°	2017.2	1773.8	1718.5	1323.4	1769.1
55°	1824.3	1603.7	1484.2	1217.7	1640.4
57.5°	1654.3	1383.2	1268.2	1093.6	1612.9
60°	1498.0	1167.2	1079.9	960.4	1479.7
62.5°	1369.3	1006.4	988.0	868.5	1341.8
65°	1231.5	896.0	891.5	790.4	1139.6
67.5°	1098.2	822.5	817.9	716.8	868.5
70°	955.8	744.4	735.3	638.7	643.3
72.5°	808.8	657.1	647.9	574.4	533.0
75°	661.7	556.0	551.4	500.8	431.9
77.5°	519.3	441.2	450.3	404.3	317.1
80°	372.2	321.7	330.8	289.5	239.0
82.5°	248.1	211.4	220.6	183.8	160.8
85°	137.9	119.5	124.1	96.5	73.5
87.5°	64.4	55.1	55.1	36.7	23.0
90°	61.8	39.4	36.6	25.3	14.0
92.5°	381.5	271.4	247.5	151.8	56.2
95°	938.7	528.6	484.9	309.9	135.0
97.5°	1264.4	580.7	542.1	387.7	233.4
100°	1383.0	624.3	589.3	449.3	309.3
102.5°	1437.4	667.8	635.2	504.6	374.0
105°	1477.7	732.5	704.8	594.2	483.6
107.5°	1485.2	828.1	802.3	699.2	596.1
110°	1473.9	881.5	858.3	765.1	672.1



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CATALOG NUMBER: SQ4-FA-125U-125D-93050-1D-UNV-STD-W-12-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1474.3	946.2	924.0	835.3	746.6
115°	1488.0	1043.2	1022.7	940.8	859.0
117.5°	1515.6	1137.4	1118.9	1044.5	970.2
120°	1538.1	1192.3	1174.8	1104.7	1034.8
122.5°	1570.5	1256.9	1239.3	1168.7	1098.1
125°	1614.1	1339.9	1323.8	1259.4	1195.1
127.5°	1657.6	1420.0	1403.8	1338.8	1273.8
130°	1689.5	1473.4	1456.0	1386.0	1316.0
132.5°	1715.3	1517.0	1499.6	1429.5	1359.6
135°	1743.4	1567.6	1551.7	1488.0	1424.3
137.5°	1785.5	1632.3	1616.5	1553.4	1490.3
140°	1811.3	1675.9	1661.3	1603.2	1545.1
142.5°	1832.9	1708.2	1694.8	1641.1	1587.3
145°	1861.0	1757.5	1745.8	1698.9	1652.0
147.5°	1902.3	1819.3	1807.9	1762.3	1716.6
150°	1923.8	1851.7	1841.4	1800.1	1758.8
152.5°	1937.9	1872.8	1865.0	1833.7	1802.4
155°	1968.8	1919.1	1913.3	1890.2	1867.1
157.5°	1999.8	1965.6	1959.9	1937.4	1915.0
160°	2013.8	1986.6	1982.3	1964.7	1947.3
162.5°	2028.8	2009.1	2005.8	1992.7	1979.6
165°	2050.4	2041.4	2038.4	2026.6	2014.7
167.5°	2067.2	2059.7	2058.3	2052.7	2047.1
170°	2081.2	2080.8	2079.4	2073.8	2068.2
172.5°	2082.2	2082.2	2082.0	2080.7	2079.4
175°	2090.7	2094.9	2094.9	2094.9	2094.9
177.5°	2091.6	2094.9	2094.9	2094.9	2094.9
180°	2094.9	2094.9	2094.9	2094.9	2094.9



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	14.05	14.90	15.02	15.88	17.18	16.90	17.75	17.87	18.73	20.03
	3H	14.53	15.28	15.51	16.28	17.60	18.25	19.01	19.24	20.01	21.33
	4H	14.72	15.43	15.71	16.43	17.76	18.70	19.42	19.70	20.42	21.74
	6H	14.83	15.49	15.84	16.50	17.84	18.99	19.65	20.00	20.65	21.99
	8H	14.83	15.46	15.85	16.48	17.82	19.07	19.70	20.08	20.72	22.05
	12H	14.81	15.40	15.82	16.42	17.78	19.11	19.71	20.13	20.72	22.08
4H	2H	15.09	15.80	16.09	16.80	18.13	17.31	18.02	18.31	19.02	20.35
	3H	16.11	16.71	17.12	17.74	19.08	18.82	19.42	19.83	20.44	21.79
	4H	16.39	16.93	17.41	17.95	19.32	19.35	19.90	20.37	20.92	22.28
	6H	16.51	16.98	17.54	18.02	19.39	19.72	20.19	20.75	21.23	22.60
	8H	16.52	16.95	17.55	17.99	19.37	19.83	20.27	20.86	21.31	22.68
	12H	16.48	16.88	17.53	17.93	19.31	19.89	20.29	20.94	21.34	22.72
8H	4H	16.84	17.28	17.88	18.32	19.69	19.47	19.91	20.51	20.95	22.32
	6H	17.10	17.47	18.16	18.55	19.92	19.91	20.28	20.97	21.36	22.73
	8H	17.15	17.46	18.21	18.53	19.92	20.07	20.39	21.13	21.45	22.85
	12H	17.13	17.41	18.20	18.47	19.90	20.17	20.45	21.24	21.51	22.95
12H	4H	16.85	17.25	17.90	18.30	19.68	19.44	19.83	20.49	20.88	22.27
	6H	17.17	17.48	18.23	18.55	19.94	19.91	20.23	20.98	21.29	22.69
	8H	17.23	17.51	18.30	18.57	20.00	20.08	20.36	21.14	21.41	22.85