

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: P934978

Luminaire Tested: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934978
REPORT IS A COMBINATION OF REPORTS P933717 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

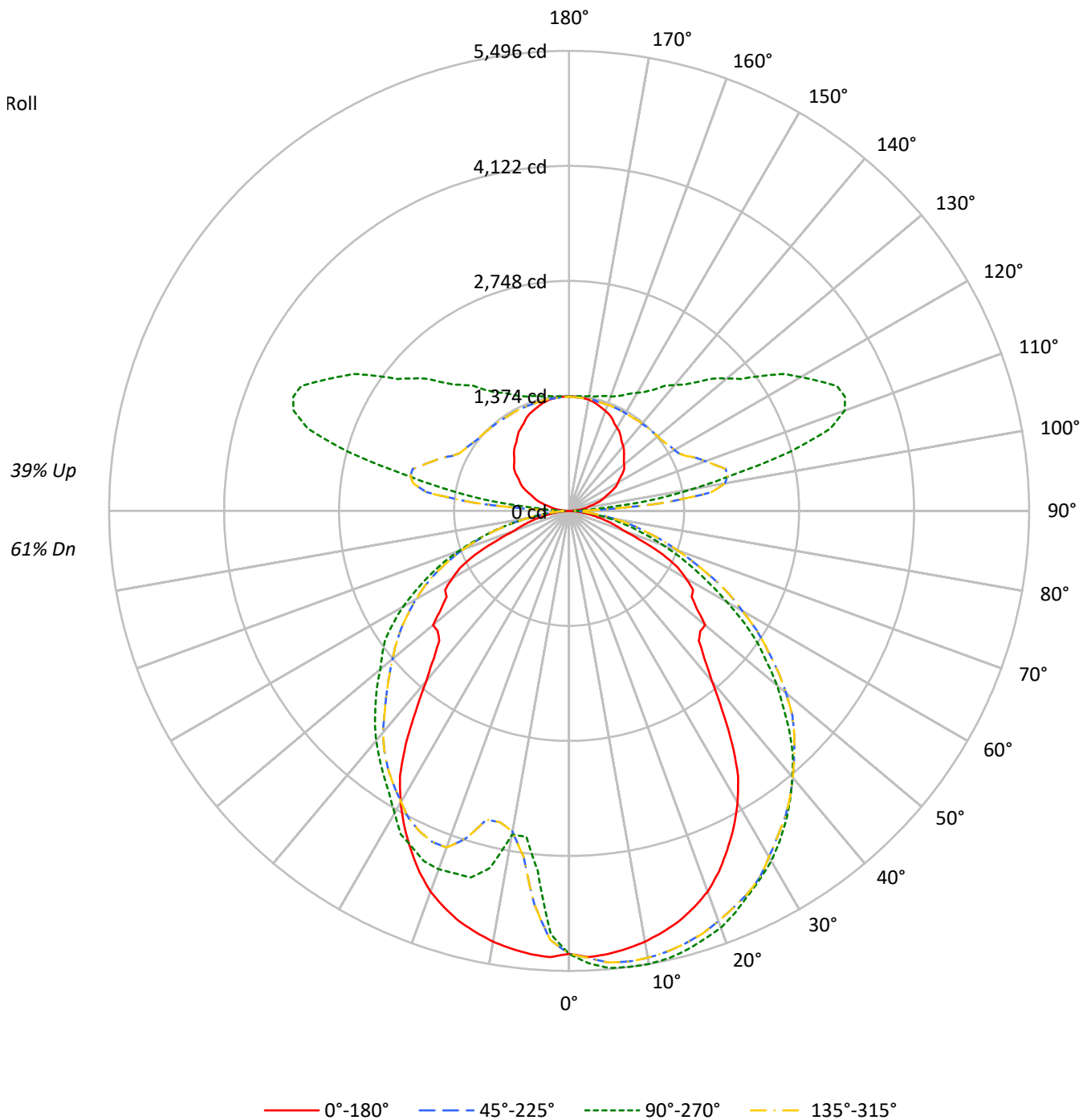
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22580.4 lumens
Efficiency: N/A
Efficacy: 121.4 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: Semi-Direct

Input Watts (W): 186
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°	16365	16365	16365	16365
5°	16493	16520	16493	12990
10°	16389	16273	16389	11634
15°	16217	15920	16217	13294
20°	15884	15502	15884	13321
25°	15196	14893	15196	13039
30°	14305	14387	14305	12420
35°	12759	13748	12759	11738
40°	10637	12995	10637	11223
45°	9511	12113	9511	10632
50°	10113	11062	10113	10038
55°	9523	9930	9523	9694
60°	9829	8433	9829	8879
65°	8926	6971	8926	7792
70°	6196	5555	6196	6532
75°	5453	4106	5453	4917
80°	4427	2715	4427	2956
85°	2595	1439	2595	1222

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14568 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	477.6	2.1
10°-20°	1356.0	6.0
20°-30°	2096.2	9.3
30°-40°	2502.4	11.1
40°-50°	2517.0	11.1
50°-60°	2190.1	9.7
60°-70°	1552.8	6.9
70°-80°	821.5	3.6
80°-90°	209.8	0.9
90°-100°	666.0	2.9
100°-110°	1750.9	7.8
110°-120°	1815.5	8.0
120°-130°	1456.3	6.4
130°-140°	1142.6	5.1
140°-150°	877.0	3.9
150°-160°	631.6	2.8
160°-170°	386.5	1.7
170°-180°	130.6	0.6
0°-30°	3929.8	17.4
0°-40°	6432.1	28.5
0°-60°	11139.3	49.3
0°-90°	13723.4	60.8
90°-120°	4232.4	18.7
90°-150°	7708.3	34.1
90°-180°	8857.0	39.2
0°-180°	22580.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5291	5291	5291	5291	5291	
5°	5316	5481	5316	4310	5316	504
15°	5076	5431	5076	4535	5076	1428
25°	4470	5066	4470	4435	4470	2052
35°	3399	4520	3399	3859	3399	2103
45°	2192	3724	2192	3269	2192	1756
55°	1787	2748	1787	2683	1787	1642
65°	1241	1657	1241	1852	1241	1186
75°	470	786	470	941	470	495
85°	80	200	80	170	80	108
90°	9	35	9	35	9	11
95°	88	403	88	403	88	98
105°	315	2742	315	2742	315	334
115°	560	3530	560	3530	560	553
125°	779	2811	779	2811	779	692
135°	929	2181	929	2181	929	719
145°	1077	1770	1077	1770	1077	675
155°	1218	1524	1218	1524	1218	560
165°	1314	1419	1314	1419	1314	371
175°	1366	1376	1366	1376	1366	130
180°	1366	1366	1366	1366	1366	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9
2.5°	5335.9	5335.9	5365.9	5376.0	5376.0	5360.9	5345.9	5360.9	5405.9	5421.0	5416.0
5°	5315.8	5356.0	5411.0	5421.0	5431.0	5426.0	5416.0	5426.0	5476.0	5486.1	5491.0
7.5°	5275.8	5350.9	5421.0	5436.0	5451.0	5436.0	5431.0	5441.0	5491.0	5501.1	5501.1
10°	5225.8	5330.9	5411.0	5421.0	5436.0	5421.0	5421.0	5441.0	5491.0	5501.1	5506.1
12.5°	5155.7	5300.8	5376.0	5385.9	5405.9	5400.9	5396.0	5416.0	5466.0	5476.0	5476.0
15°	5075.6	5245.8	5315.8	5325.9	5360.9	5350.9	5350.9	5370.9	5426.0	5441.0	5436.0
17.5°	4965.5	5175.7	5255.8	5270.9	5295.8	5290.9	5295.8	5315.8	5365.9	5376.0	5380.9
20°	4840.4	5080.6	5175.7	5190.7	5215.7	5215.7	5215.7	5240.8	5290.9	5310.9	5310.9
22.5°	4670.2	4980.5	5080.6	5090.6	5120.7	5120.7	5130.7	5165.7	5210.7	5215.7	5215.7
25°	4469.9	4870.3	4955.4	4985.5	5015.6	5030.6	5045.6	5065.6	5080.6	5075.6	5080.6
27.5°	4259.7	4730.2	4840.4	4860.4	4900.4	4915.4	4935.4	4940.5	4945.5	4960.5	4950.5
30°	4024.5	4535.0	4700.2	4720.2	4785.3	4795.3	4775.3	4785.3	4810.3	4820.4	4830.3
32.5°	3759.1	4244.7	4555.0	4600.1	4660.1	4630.2	4625.1	4640.1	4680.1	4680.1	4690.2
35°	3398.7	4019.4	4419.8	4459.9	4504.9	4469.9	4489.9	4495.0	4520.0	4535.0	4530.0
37.5°	3003.4	3824.2	4279.7	4309.8	4344.8	4299.7	4329.8	4344.8	4364.8	4354.8	4354.8
40°	2652.9	3518.8	4114.6	4134.6	4164.6	4129.6	4159.6	4169.6	4179.7	4169.6	4164.6
42.5°	2392.6	3183.5	3939.4	3964.4	3944.4	3969.3	3979.4	3999.4	3984.4	3964.4	3964.4
45°	2192.4	3093.4	3749.2	3779.1	3749.2	3789.2	3804.2	3804.2	3759.1	3749.2	3744.1
47.5°	2127.4	2913.2	3559.0	3559.0	3543.9	3594.0	3619.0	3583.9	3539.0	3523.9	3523.9
50°	2122.4	2713.0	3298.7	3278.6	3348.7	3408.8	3383.8	3348.7	3313.7	3258.6	3258.6
52.5°	1927.1	2467.8	2963.2	3038.4	3148.5	3183.5	3143.5	3108.5	3048.3	3023.4	3003.4
55°	1786.9	2212.5	2658.0	2808.1	2923.2	2968.3	2893.2	2858.1	2768.1	2753.0	2743.1
57.5°	1757.0	1842.0	2377.6	2567.8	2708.0	2703.0	2658.0	2592.9	2517.8	2502.8	2497.7
60°	1611.8	1331.5	2077.3	2302.5	2447.7	2432.7	2392.6	2332.6	2262.5	2252.5	2242.5
62.5°	1461.6	966.1	1736.9	1992.2	2197.4	2192.4	2157.4	2067.2	2017.3	1992.2	1972.2
65°	1241.4	810.9	1236.3	1656.9	1952.2	1962.1	1887.1	1822.0	1766.9	1736.9	1731.9
67.5°	946.1	660.7	835.9	1381.5	1716.9	1706.9	1611.8	1581.7	1511.6	1496.6	1466.6
70°	700.8	440.4	580.7	1121.3	1486.6	1461.6	1386.5	1351.5	1286.4	1251.3	1231.3
72.5°	580.7	355.4	425.5	870.9	1251.3	1221.4	1156.3	1116.3	1061.1	1031.2	1011.1
75°	470.5	375.4	325.4	645.7	1016.1	996.1	936.0	896.0	850.9	810.9	815.9
77.5°	345.4	350.4	260.3	475.5	805.9	775.9	740.8	690.8	670.8	630.7	630.7
80°	260.3	275.3	195.2	325.4	580.7	580.7	550.6	515.6	480.6	460.5	460.5
82.5°	175.2	175.2	145.1	205.2	395.5	380.4	360.4	350.4	330.4	320.4	320.4
85°	80.1	100.1	90.1	125.1	215.2	225.2	225.2	215.2	210.2	200.3	205.2
87.5°	25.0	45.1	55.0	70.1	110.1	115.2	120.1	120.1	120.1	125.1	125.1
90°	9.2	16.5	23.8	25.6	40.3	59.9	69.7	61.9	46.4	34.8	34.8
92.5°	36.7	99.0	161.4	177.0	248.8	344.5	392.4	343.9	247.0	174.2	167.3
95°	88.0	202.1	316.3	344.8	612.2	968.8	1147.1	1023.7	776.7	591.4	570.4
97.5°	152.2	252.9	353.6	378.7	824.7	1419.2	1716.5	1638.4	1482.4	1365.3	1325.4
100°	201.7	293.0	384.3	407.1	902.0	1561.7	1891.6	1897.4	1908.8	1917.4	1869.8
102.5°	243.9	329.1	414.2	435.5	937.4	1606.6	1941.2	2040.6	2239.5	2388.7	2348.0
105°	315.4	387.6	459.7	477.7	963.7	1611.7	1935.7	2158.6	2604.5	2938.9	2917.0
107.5°	388.8	456.0	523.3	540.1	968.6	1540.0	1825.7	2136.7	2758.5	3224.9	3230.2
110°	438.3	499.0	559.8	574.9	961.3	1476.4	1734.0	2081.6	2776.9	3298.3	3321.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	486.9	544.8	602.6	617.1	961.6	1420.9	1650.6	2006.3	2717.9	3251.5	3286.5
115°	560.2	613.6	667.0	680.3	970.4	1357.2	1550.6	1893.3	2578.8	3092.9	3141.5
117.5°	632.7	681.2	729.6	741.8	988.5	1317.3	1481.8	1791.1	2409.7	2873.7	2927.6
120°	674.9	720.6	766.1	777.6	1003.2	1303.9	1454.3	1736.8	2302.1	2726.1	2778.4
122.5°	716.1	762.2	808.2	819.8	1024.3	1296.9	1433.2	1687.6	2196.7	2578.5	2630.2
125°	779.4	821.4	863.4	873.9	1052.7	1291.1	1410.3	1626.5	2058.9	2383.2	2430.8
127.5°	830.8	873.2	915.6	926.1	1081.1	1287.7	1391.0	1576.7	1947.9	2226.4	2266.5
130°	858.3	904.0	949.5	961.0	1101.9	1289.7	1383.7	1548.9	1879.4	2127.3	2164.4
132.5°	886.7	932.4	977.9	989.4	1118.6	1291.1	1377.2	1525.1	1821.0	2043.0	2076.2
135°	928.9	970.4	1012.0	1022.4	1137.1	1289.9	1366.3	1490.1	1737.9	1923.8	1952.4
137.5°	972.0	1013.1	1054.3	1064.6	1164.6	1297.8	1364.4	1469.1	1678.7	1835.7	1859.2
140°	1007.7	1045.6	1083.5	1093.0	1181.3	1299.2	1358.0	1448.5	1629.5	1765.1	1787.0
142.5°	1035.2	1070.3	1105.3	1114.1	1195.4	1303.8	1358.0	1437.5	1596.4	1715.6	1734.5
145°	1077.4	1108.0	1138.5	1146.2	1213.8	1303.8	1348.8	1413.8	1543.9	1641.4	1655.7
147.5°	1119.6	1149.4	1179.2	1186.6	1240.7	1312.8	1348.8	1400.0	1502.3	1579.0	1590.8
150°	1147.1	1174.0	1200.9	1207.7	1254.7	1317.5	1348.8	1392.0	1478.4	1543.2	1552.8
152.5°	1175.5	1195.9	1216.2	1221.4	1263.9	1320.5	1348.8	1385.7	1459.5	1514.8	1522.0
155°	1217.7	1232.8	1247.9	1251.6	1284.1	1327.3	1348.8	1378.2	1436.9	1480.9	1485.7
157.5°	1248.9	1263.6	1278.3	1281.9	1304.2	1334.0	1348.8	1371.6	1417.3	1451.5	1454.8
160°	1270.0	1281.4	1292.8	1295.7	1313.5	1337.0	1348.8	1368.4	1407.5	1436.9	1438.9
162.5°	1291.1	1299.6	1308.1	1310.3	1323.1	1340.3	1348.8	1365.3	1398.3	1423.1	1425.0
165°	1314.0	1321.7	1329.4	1331.4	1337.2	1345.0	1348.8	1360.7	1384.2	1402.0	1404.0
167.5°	1335.0	1338.7	1342.4	1343.3	1348.3	1354.8	1358.0	1365.7	1381.2	1392.8	1393.6
170°	1348.8	1352.5	1356.2	1357.1	1357.4	1357.8	1358.0	1365.7	1381.2	1392.8	1392.8
172.5°	1356.1	1356.9	1357.8	1358.0	1358.0	1358.0	1358.0	1364.1	1376.4	1385.5	1384.8
175°	1366.3	1366.3	1366.3	1366.3	1363.5	1359.9	1358.0	1361.9	1369.7	1375.5	1375.5
177.5°	1366.3	1366.3	1366.3	1366.3	1364.1	1361.3	1359.9	1362.9	1369.1	1373.6	1372.8
180°	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9
2.5°	5426.0	5411.0	5426.0	5416.0	5421.0	5405.9	5360.9	5345.9	5360.9	5376.0	5376.0
5°	5491.0	5481.1	5491.0	5491.0	5486.1	5476.0	5426.0	5416.0	5426.0	5431.0	5421.0
7.5°	5511.0	5496.1	5511.0	5501.1	5501.1	5491.0	5441.0	5431.0	5436.0	5451.0	5436.0
10°	5511.0	5496.1	5511.0	5506.1	5501.1	5491.0	5441.0	5421.0	5421.0	5436.0	5421.0
12.5°	5486.1	5476.0	5486.1	5476.0	5476.0	5466.0	5416.0	5396.0	5400.9	5405.9	5385.9
15°	5446.0	5431.0	5446.0	5436.0	5441.0	5426.0	5370.9	5350.9	5350.9	5360.9	5325.9
17.5°	5385.9	5365.9	5385.9	5380.9	5376.0	5365.9	5315.8	5295.8	5290.9	5295.8	5270.9
20°	5315.8	5300.8	5315.8	5310.9	5310.9	5290.9	5240.8	5215.7	5215.7	5215.7	5190.7
22.5°	5205.8	5190.7	5205.8	5215.7	5215.7	5210.7	5165.7	5130.7	5120.7	5120.7	5090.6
25°	5080.6	5065.6	5080.6	5080.6	5075.6	5080.6	5065.6	5045.6	5030.6	5015.6	4985.5
27.5°	4960.5	4950.5	4960.5	4950.5	4960.5	4945.5	4940.5	4935.4	4915.4	4900.4	4860.4
30°	4840.4	4830.3	4840.4	4830.3	4820.4	4810.3	4785.3	4775.3	4795.3	4785.3	4720.2
32.5°	4690.2	4680.1	4690.2	4690.2	4680.1	4680.1	4640.1	4625.1	4630.2	4660.1	4600.1
35°	4535.0	4520.0	4535.0	4530.0	4535.0	4520.0	4495.0	4489.9	4469.9	4504.9	4459.9
37.5°	4354.8	4339.8	4354.8	4354.8	4354.8	4364.8	4344.8	4329.8	4299.7	4344.8	4309.8
40°	4169.6	4149.6	4169.6	4164.6	4169.6	4179.7	4169.6	4159.6	4129.6	4164.6	4134.6
42.5°	3959.4	3954.4	3959.4	3964.4	3964.4	3984.4	3999.4	3979.4	3969.3	3944.4	3964.4
45°	3734.1	3724.1	3734.1	3744.1	3749.2	3759.1	3804.2	3804.2	3789.2	3749.2	3779.1
47.5°	3493.9	3468.8	3493.9	3523.9	3523.9	3539.0	3583.9	3619.0	3594.0	3543.9	3559.0
50°	3238.6	3243.5	3238.6	3258.6	3258.6	3313.7	3348.7	3383.8	3408.8	3348.7	3278.6
52.5°	2988.3	2983.3	2988.3	3003.4	3023.4	3048.3	3108.5	3143.5	3183.5	3148.5	3038.4
55°	2738.0	2748.1	2738.0	2743.1	2753.0	2768.1	2858.1	2893.2	2968.3	2923.2	2808.1
57.5°	2487.8	2472.7	2487.8	2497.7	2502.8	2517.8	2592.9	2658.0	2703.0	2708.0	2567.8
60°	2197.4	2177.4	2197.4	2242.5	2252.5	2262.5	2332.6	2392.6	2432.7	2447.7	2302.5
62.5°	1942.1	1907.1	1942.1	1972.2	1992.2	2017.3	2067.2	2157.4	2192.4	2197.4	1992.2
65°	1671.9	1656.9	1671.9	1731.9	1736.9	1766.9	1822.0	1887.1	1962.1	1952.2	1656.9
67.5°	1426.5	1426.5	1426.5	1466.6	1496.6	1511.6	1581.7	1611.8	1706.9	1716.9	1381.5
70°	1201.3	1196.3	1201.3	1231.3	1251.3	1286.4	1351.5	1386.5	1461.6	1486.6	1121.3
72.5°	986.1	981.1	986.1	1011.1	1031.2	1061.1	1116.3	1156.3	1221.4	1251.3	870.9
75°	795.9	785.8	795.9	815.9	810.9	850.9	896.0	936.0	996.1	1016.1	645.7
77.5°	610.6	610.6	610.6	630.7	630.7	670.8	690.8	740.8	775.9	805.9	475.5
80°	455.5	450.5	455.5	460.5	460.5	480.6	515.6	550.6	580.7	580.7	325.4
82.5°	320.4	310.3	320.4	320.4	320.4	330.4	350.4	360.4	380.4	395.5	205.2
85°	200.3	200.3	200.3	205.2	200.3	210.2	215.2	225.2	225.2	215.2	125.1
87.5°	130.2	125.1	130.2	125.1	125.1	120.1	120.1	120.1	115.2	110.1	70.1
90°	34.8	34.8	34.8	34.8	34.8	46.4	61.9	69.7	59.9	40.3	25.6
92.5°	139.6	111.9	139.6	167.3	174.2	247.0	343.9	392.4	344.5	248.8	177.0
95°	486.5	402.6	486.5	570.4	591.4	776.7	1023.7	1147.1	968.8	612.2	344.8
97.5°	1165.6	1005.9	1165.6	1325.4	1365.3	1482.4	1638.4	1716.5	1419.2	824.7	378.7
100°	1679.5	1489.2	1679.5	1869.8	1917.4	1908.8	1897.4	1891.6	1561.7	902.0	407.1
102.5°	2184.9	2021.9	2184.9	2348.0	2388.7	2239.5	2040.6	1941.2	1606.6	937.4	435.5
105°	2829.3	2741.7	2829.3	2917.0	2938.9	2604.5	2158.6	1935.7	1611.7	963.7	477.7
107.5°	3251.4	3272.6	3251.4	3230.2	3224.9	2758.5	2136.7	1825.7	1540.0	968.6	540.1
110°	3412.3	3503.7	3412.3	3321.0	3298.3	2776.9	2081.6	1734.0	1476.4	961.3	574.9



TEST NUMBER: P934978

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3426.7	3567.0	3426.7	3286.5	3251.5	2717.9	2006.3	1650.6	1420.9	961.6	617.1
115°	3335.8	3530.3	3335.8	3141.5	3092.9	2578.8	1893.3	1550.6	1357.2	970.4	680.3
117.5°	3143.2	3358.8	3143.2	2927.6	2873.7	2409.7	1791.1	1481.8	1317.3	988.5	741.8
120°	2988.0	3197.4	2988.0	2778.4	2726.1	2302.1	1736.8	1454.3	1303.9	1003.2	777.6
122.5°	2836.7	3043.4	2836.7	2630.2	2578.5	2196.7	1687.6	1433.2	1296.9	1024.3	819.8
125°	2621.1	2811.4	2621.1	2430.8	2383.2	2058.9	1626.5	1410.3	1291.1	1052.7	873.9
127.5°	2427.1	2587.7	2427.1	2266.5	2226.4	1947.9	1576.7	1391.0	1287.7	1081.1	926.1
130°	2312.8	2461.2	2312.8	2164.4	2127.3	1879.4	1548.9	1383.7	1289.7	1101.9	961.0
132.5°	2209.0	2341.9	2209.0	2076.2	2043.0	1821.0	1525.1	1377.2	1291.1	1118.6	989.4
135°	2067.0	2181.4	2067.0	1952.4	1923.8	1737.9	1490.1	1366.3	1289.9	1137.1	1022.4
137.5°	1952.9	2046.6	1952.9	1859.2	1835.7	1678.7	1469.1	1364.4	1297.8	1164.6	1064.6
140°	1874.7	1962.2	1874.7	1787.0	1765.1	1629.5	1448.5	1358.0	1299.2	1181.3	1093.0
142.5°	1809.9	1885.2	1809.9	1734.5	1715.6	1596.4	1437.5	1358.0	1303.8	1195.4	1114.1
145°	1712.7	1769.7	1712.7	1655.7	1641.4	1543.9	1413.8	1348.8	1303.8	1213.8	1146.2
147.5°	1638.0	1685.4	1638.0	1590.8	1579.0	1502.3	1400.0	1348.8	1312.8	1240.7	1186.6
150°	1591.1	1629.5	1591.1	1552.8	1543.2	1478.4	1392.0	1348.8	1317.5	1254.7	1207.7
152.5°	1551.0	1579.9	1551.0	1522.0	1514.8	1459.5	1385.7	1348.8	1320.5	1263.9	1221.4
155°	1504.8	1524.0	1504.8	1485.7	1480.9	1436.9	1378.2	1348.8	1327.3	1284.1	1251.6
157.5°	1468.4	1481.8	1468.4	1454.8	1451.5	1417.3	1371.6	1348.8	1334.0	1304.2	1281.9
160°	1446.6	1454.3	1446.6	1438.9	1436.9	1407.5	1368.4	1348.8	1337.0	1313.5	1295.7
162.5°	1432.3	1439.7	1432.3	1425.0	1423.1	1398.3	1365.3	1348.8	1340.3	1323.1	1310.3
165°	1411.7	1419.4	1411.7	1404.0	1402.0	1384.2	1360.7	1348.8	1345.0	1337.2	1331.4
167.5°	1397.0	1400.2	1397.0	1393.6	1392.8	1381.2	1365.7	1358.0	1354.8	1348.3	1343.3
170°	1392.8	1392.8	1392.8	1392.8	1392.8	1381.2	1365.7	1358.0	1357.8	1357.4	1357.1
172.5°	1382.0	1379.1	1382.0	1384.8	1385.5	1376.4	1364.1	1358.0	1358.0	1358.0	1358.0
175°	1375.5	1375.5	1375.5	1375.5	1375.5	1369.7	1361.9	1358.0	1359.9	1363.5	1366.3
177.5°	1369.6	1366.3	1369.6	1372.8	1373.6	1369.1	1362.9	1359.9	1361.3	1364.1	1366.3
180°	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3



TEST NUMBER: P934978
 CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9
2.5°	5365.9	5335.9	5335.9	5285.8	5265.8	5250.8	5225.8	5150.7	5130.7	5110.6	5140.7
5°	5411.0	5356.0	5315.8	5225.8	5150.7	5120.7	5025.5	4845.3	4725.2	4635.1	4585.1
7.5°	5421.0	5350.9	5275.8	5135.7	4955.4	4875.4	4585.1	4254.7	4164.6	4084.5	4034.4
10°	5411.0	5330.9	5225.8	5015.6	4590.0	4449.9	4159.6	3944.4	3889.3	3874.3	3889.3
12.5°	5376.0	5300.8	5155.7	4805.3	4209.6	4114.6	3944.4	3819.2	3809.2	3834.3	3969.3
15°	5315.8	5245.8	5075.6	4525.0	3999.4	3929.3	3809.2	3764.2	3819.2	3994.4	4399.8
17.5°	5255.8	5175.7	4965.5	4249.7	3839.3	3789.2	3704.1	3794.2	4104.5	4339.8	4475.0
20°	5175.7	5080.6	4840.4	4049.5	3724.1	3679.1	3639.0	4044.5	4279.7	4364.8	4439.9
22.5°	5080.6	4980.5	4670.2	3909.3	3604.0	3568.9	3594.0	4184.6	4279.7	4339.8	4404.9
25°	4955.4	4870.3	4469.9	3799.2	3508.9	3468.8	3563.9	4169.6	4224.6	4239.7	4369.9
27.5°	4840.4	4730.2	4259.7	3699.1	3393.7	3378.7	3588.9	4104.5	4144.6	4159.6	4299.7
30°	4700.2	4535.0	4024.5	3594.0	3273.6	3268.6	3594.0	4024.5	4014.4	4054.4	4194.6
32.5°	4555.0	4244.7	3759.1	3463.8	3158.5	3153.5	3559.0	3904.3	3894.3	3949.3	4054.4
35°	4419.8	4019.4	3398.7	3313.7	3013.3	3018.3	3473.9	3764.2	3769.2	3819.2	3884.2
37.5°	4279.7	3824.2	3003.4	3148.5	2873.2	2873.2	3358.7	3634.0	3624.0	3639.0	3729.2
40°	4114.6	3518.8	2652.9	2933.3	2743.1	2728.0	3218.6	3493.9	3458.8	3453.9	3579.0
42.5°	3939.4	3183.5	2392.6	2647.9	2592.9	2572.9	3048.3	3323.7	3258.6	3273.6	3433.7
45°	3749.2	3093.4	2192.4	2237.4	2437.7	2422.7	2863.1	3128.5	3083.4	3123.5	3288.6
47.5°	3559.0	2913.2	2127.4	1857.0	2272.5	2267.5	2658.0	2938.3	2913.2	2953.3	3128.5
50°	3298.7	2713.0	2122.4	1591.8	2087.3	2107.3	2412.6	2753.0	2753.0	2788.1	2973.3
52.5°	2963.2	2467.8	1927.1	1441.6	1872.0	1932.2	2197.4	2592.9	2602.8	2637.9	2803.1
55°	2658.0	2212.5	1786.9	1326.5	1616.7	1746.9	1987.2	2427.6	2447.7	2482.7	2632.9
57.5°	2377.6	1842.0	1757.0	1191.3	1381.5	1506.7	1802.0	2267.5	2277.6	2307.5	2452.7
60°	2077.3	1331.5	1611.8	1046.1	1176.3	1271.4	1631.8	2077.3	2112.3	2132.3	2257.4
62.5°	1736.9	966.1	1461.6	946.1	1076.2	1096.2	1491.6	1897.1	1942.1	1957.1	2032.2
65°	1236.3	810.9	1241.4	861.0	971.1	976.0	1341.5	1711.9	1751.9	1777.0	1832.0
67.5°	835.9	660.7	946.1	780.8	890.9	896.0	1196.3	1496.6	1551.7	1571.8	1606.8
70°	580.7	440.4	700.8	695.7	800.9	810.9	1041.1	1301.4	1351.5	1366.5	1386.5
72.5°	425.5	355.4	580.7	625.7	705.8	715.8	881.0	1081.1	1131.2	1146.2	1156.3
75°	325.4	375.4	470.5	545.6	600.7	605.7	720.8	881.0	916.0	926.1	931.0
77.5°	260.3	350.4	345.4	440.4	490.5	480.6	565.7	680.7	710.8	710.8	710.8
80°	195.2	275.3	260.3	315.3	360.4	350.4	405.4	485.5	495.6	505.5	500.6
82.5°	145.1	175.2	175.2	200.3	240.3	230.2	270.3	315.3	315.3	315.3	325.4
85°	90.1	100.1	80.1	105.1	135.2	130.2	150.2	170.2	175.2	175.2	165.2
87.5°	55.0	45.1	25.0	40.0	60.0	60.0	70.1	75.0	70.1	70.1	70.1
90°	23.8	16.5	9.2	16.5	23.8	25.6	40.3	59.9	69.7	61.9	46.4
92.5°	161.4	99.0	36.7	99.0	161.4	177.0	248.8	344.5	392.4	343.9	247.0
95°	316.3	202.1	88.0	202.1	316.3	344.8	612.2	968.8	1147.1	1023.7	776.7
97.5°	353.6	252.9	152.2	252.9	353.6	378.7	824.7	1419.2	1716.5	1638.4	1482.4
100°	384.3	293.0	201.7	293.0	384.3	407.1	902.0	1561.7	1891.6	1897.4	1908.8
102.5°	414.2	329.1	243.9	329.1	414.2	435.5	937.4	1606.6	1941.2	2040.6	2239.5
105°	459.7	387.6	315.4	387.6	459.7	477.7	963.7	1611.7	1935.7	2158.6	2604.5
107.5°	523.3	456.0	388.8	456.0	523.3	540.1	968.6	1540.0	1825.7	2136.7	2758.5
110°	559.8	499.0	438.3	499.0	559.8	574.9	961.3	1476.4	1734.0	2081.6	2776.9



TEST NUMBER: P934978

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	602.6	544.8	486.9	544.8	602.6	617.1	961.6	1420.9	1650.6	2006.3	2717.9
115°	667.0	613.6	560.2	613.6	667.0	680.3	970.4	1357.2	1550.6	1893.3	2578.8
117.5°	729.6	681.2	632.7	681.2	729.6	741.8	988.5	1317.3	1481.8	1791.1	2409.7
120°	766.1	720.6	674.9	720.6	766.1	777.6	1003.2	1303.9	1454.3	1736.8	2302.1
122.5°	808.2	762.2	716.1	762.2	808.2	819.8	1024.3	1296.9	1433.2	1687.6	2196.7
125°	863.4	821.4	779.4	821.4	863.4	873.9	1052.7	1291.1	1410.3	1626.5	2058.9
127.5°	915.6	873.2	830.8	873.2	915.6	926.1	1081.1	1287.7	1391.0	1576.7	1947.9
130°	949.5	904.0	858.3	904.0	949.5	961.0	1101.9	1289.7	1383.7	1548.9	1879.4
132.5°	977.9	932.4	886.7	932.4	977.9	989.4	1118.6	1291.1	1377.2	1525.1	1821.0
135°	1012.0	970.4	928.9	970.4	1012.0	1022.4	1137.1	1289.9	1366.3	1490.1	1737.9
137.5°	1054.3	1013.1	972.0	1013.1	1054.3	1064.6	1164.6	1297.8	1364.4	1469.1	1678.7
140°	1083.5	1045.6	1007.7	1045.6	1083.5	1093.0	1181.3	1299.2	1358.0	1448.5	1629.5
142.5°	1105.3	1070.3	1035.2	1070.3	1105.3	1114.1	1195.4	1303.8	1358.0	1437.5	1596.4
145°	1138.5	1108.0	1077.4	1108.0	1138.5	1146.2	1213.8	1303.8	1348.8	1413.8	1543.9
147.5°	1179.2	1149.4	1119.6	1149.4	1179.2	1186.6	1240.7	1312.8	1348.8	1400.0	1502.3
150°	1200.9	1174.0	1147.1	1174.0	1200.9	1207.7	1254.7	1317.5	1348.8	1392.0	1478.4
152.5°	1216.2	1195.9	1175.5	1195.9	1216.2	1221.4	1263.9	1320.5	1348.8	1385.7	1459.5
155°	1247.9	1232.8	1217.7	1232.8	1247.9	1251.6	1284.1	1327.3	1348.8	1378.2	1436.9
157.5°	1278.3	1263.6	1248.9	1263.6	1278.3	1281.9	1304.2	1334.0	1348.8	1371.6	1417.3
160°	1292.8	1281.4	1270.0	1281.4	1292.8	1295.7	1313.5	1337.0	1348.8	1368.4	1407.5
162.5°	1308.1	1299.6	1291.1	1299.6	1308.1	1310.3	1323.1	1340.3	1348.8	1365.3	1398.3
165°	1329.4	1321.7	1314.0	1321.7	1329.4	1331.4	1337.2	1345.0	1348.8	1360.7	1384.2
167.5°	1342.4	1338.7	1335.0	1338.7	1342.4	1343.3	1348.3	1354.8	1358.0	1365.7	1381.2
170°	1356.2	1352.5	1348.8	1352.5	1356.2	1357.1	1357.4	1357.8	1358.0	1365.7	1381.2
172.5°	1357.8	1356.9	1356.1	1356.9	1357.8	1358.0	1358.0	1358.0	1358.0	1364.1	1376.4
175°	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1363.5	1359.9	1358.0	1361.9	1369.7
177.5°	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1364.1	1361.3	1359.9	1362.9	1369.1
180°	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3



TEST NUMBER: P934978

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9
2.5°	5105.6	5090.6	5110.6	5055.6	5110.6	5090.6	5105.6	5140.7	5110.6	5130.7	5150.7
5°	4480.0	4454.9	4374.8	4309.8	4374.8	4454.9	4480.0	4585.1	4635.1	4725.2	4845.3
7.5°	4004.4	3984.4	3964.4	3924.4	3964.4	3984.4	4004.4	4034.4	4084.5	4164.6	4254.7
10°	3899.3	3904.3	3934.3	3929.3	3934.3	3904.3	3899.3	3889.3	3874.3	3889.3	3944.4
12.5°	4169.6	4214.7	4379.8	4369.9	4379.8	4214.7	4169.6	3969.3	3834.3	3809.2	3819.2
15°	4480.0	4495.0	4530.0	4535.0	4530.0	4495.0	4480.0	4399.8	3994.4	3819.2	3764.2
17.5°	4510.0	4515.0	4540.0	4540.0	4540.0	4515.0	4510.0	4475.0	4339.8	4104.5	3794.2
20°	4484.9	4495.0	4545.1	4555.0	4545.1	4495.0	4484.9	4439.9	4364.8	4279.7	4044.5
22.5°	4475.0	4495.0	4535.0	4530.0	4535.0	4495.0	4475.0	4404.9	4339.8	4279.7	4184.6
25°	4424.9	4424.9	4429.9	4434.9	4429.9	4424.9	4424.9	4369.9	4239.7	4224.6	4169.6
27.5°	4319.8	4329.8	4359.8	4354.8	4359.8	4329.8	4319.8	4299.7	4159.6	4144.6	4104.5
30°	4224.6	4214.7	4189.6	4169.6	4189.6	4214.7	4224.6	4194.6	4054.4	4014.4	4024.5
32.5°	4064.5	4039.4	4014.4	3999.4	4014.4	4039.4	4064.5	4054.4	3949.3	3894.3	3904.3
35°	3874.3	3879.3	3874.3	3859.3	3874.3	3879.3	3874.3	3884.2	3819.2	3769.2	3764.2
37.5°	3739.1	3749.2	3744.1	3724.1	3744.1	3749.2	3739.1	3729.2	3639.0	3624.0	3634.0
40°	3599.0	3604.0	3599.0	3583.9	3599.0	3604.0	3599.0	3579.0	3453.9	3458.8	3493.9
42.5°	3463.8	3458.8	3443.8	3433.7	3443.8	3458.8	3463.8	3433.7	3273.6	3258.6	3323.7
45°	3308.6	3313.7	3283.6	3268.6	3283.6	3313.7	3308.6	3288.6	3123.5	3083.4	3128.5
47.5°	3153.5	3153.5	3128.5	3113.4	3128.5	3153.5	3153.5	3128.5	2953.3	2913.2	2938.3
50°	2988.3	2983.3	2948.2	2943.2	2948.2	2983.3	2988.3	2973.3	2788.1	2753.0	2753.0
52.5°	2798.1	2798.1	2803.1	2813.1	2803.1	2798.1	2798.1	2803.1	2637.9	2602.8	2592.9
55°	2632.9	2637.9	2672.9	2683.0	2672.9	2637.9	2632.9	2632.9	2482.7	2447.7	2427.6
57.5°	2462.7	2462.7	2487.8	2487.8	2487.8	2462.7	2462.7	2452.7	2307.5	2277.6	2267.5
60°	2267.5	2277.6	2297.6	2292.5	2297.6	2277.6	2267.5	2257.4	2132.3	2112.3	2077.3
62.5°	2062.3	2072.3	2077.3	2067.2	2077.3	2072.3	2062.3	2032.2	1957.1	1942.1	1897.1
65°	1847.1	1857.0	1862.1	1852.0	1862.1	1857.0	1847.1	1832.0	1777.0	1751.9	1711.9
67.5°	1626.8	1621.8	1616.7	1636.8	1616.7	1621.8	1626.8	1606.8	1571.8	1551.7	1496.6
70°	1401.5	1401.5	1396.6	1406.5	1396.6	1401.5	1401.5	1386.5	1366.5	1351.5	1301.4
72.5°	1161.3	1156.3	1176.3	1161.3	1176.3	1156.3	1161.3	1156.3	1146.2	1131.2	1081.1
75°	926.1	936.0	926.1	941.0	926.1	936.0	926.1	931.0	926.1	916.0	881.0
77.5°	705.8	715.8	705.8	705.8	705.8	715.8	705.8	710.8	710.8	710.8	680.7
80°	500.6	495.6	495.6	490.5	495.6	495.6	500.6	500.6	505.5	495.6	485.5
82.5°	320.4	315.3	315.3	325.4	315.3	315.3	320.4	325.4	315.3	315.3	315.3
85°	175.2	180.2	170.2	170.2	170.2	180.2	175.2	165.2	175.2	175.2	170.2
87.5°	65.1	60.0	60.0	60.0	60.0	60.0	65.1	70.1	70.1	70.1	75.0
90°	34.8	34.8	34.8	34.8	34.8	34.8	34.8	46.4	61.9	69.7	59.9
92.5°	174.2	167.3	139.6	111.9	139.6	167.3	174.2	247.0	343.9	392.4	344.5
95°	591.4	570.4	486.5	402.6	486.5	570.4	591.4	776.7	1023.7	1147.1	968.8
97.5°	1365.3	1325.4	1165.6	1005.9	1165.6	1325.4	1365.3	1482.4	1638.4	1716.5	1419.2
100°	1917.4	1869.8	1679.5	1489.2	1679.5	1869.8	1917.4	1908.8	1897.4	1891.6	1561.7
102.5°	2388.7	2348.0	2184.9	2021.9	2184.9	2348.0	2388.7	2239.5	2040.6	1941.2	1606.6
105°	2938.9	2917.0	2829.3	2741.7	2829.3	2917.0	2938.9	2604.5	2158.6	1935.7	1611.7
107.5°	3224.9	3230.2	3251.4	3272.6	3251.4	3230.2	3224.9	2758.5	2136.7	1825.7	1540.0
110°	3298.3	3321.0	3412.3	3503.7	3412.3	3321.0	3298.3	2776.9	2081.6	1734.0	1476.4



TEST NUMBER: P934978

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3251.5	3286.5	3426.7	3567.0	3426.7	3286.5	3251.5	2717.9	2006.3	1650.6	1420.9
115°	3092.9	3141.5	3335.8	3530.3	3335.8	3141.5	3092.9	2578.8	1893.3	1550.6	1357.2
117.5°	2873.7	2927.6	3143.2	3358.8	3143.2	2927.6	2873.7	2409.7	1791.1	1481.8	1317.3
120°	2726.1	2778.4	2988.0	3197.4	2988.0	2778.4	2726.1	2302.1	1736.8	1454.3	1303.9
122.5°	2578.5	2630.2	2836.7	3043.4	2836.7	2630.2	2578.5	2196.7	1687.6	1433.2	1296.9
125°	2383.2	2430.8	2621.1	2811.4	2621.1	2430.8	2383.2	2058.9	1626.5	1410.3	1291.1
127.5°	2226.4	2266.5	2427.1	2587.7	2427.1	2266.5	2226.4	1947.9	1576.7	1391.0	1287.7
130°	2127.3	2164.4	2312.8	2461.2	2312.8	2164.4	2127.3	1879.4	1548.9	1383.7	1289.7
132.5°	2043.0	2076.2	2209.0	2341.9	2209.0	2076.2	2043.0	1821.0	1525.1	1377.2	1291.1
135°	1923.8	1952.4	2067.0	2181.4	2067.0	1952.4	1923.8	1737.9	1490.1	1366.3	1289.9
137.5°	1835.7	1859.2	1952.9	2046.6	1952.9	1859.2	1835.7	1678.7	1469.1	1364.4	1297.8
140°	1765.1	1787.0	1874.7	1962.2	1874.7	1787.0	1765.1	1629.5	1448.5	1358.0	1299.2
142.5°	1715.6	1734.5	1809.9	1885.2	1809.9	1734.5	1715.6	1596.4	1437.5	1358.0	1303.8
145°	1641.4	1655.7	1712.7	1769.7	1712.7	1655.7	1641.4	1543.9	1413.8	1348.8	1303.8
147.5°	1579.0	1590.8	1638.0	1685.4	1638.0	1590.8	1579.0	1502.3	1400.0	1348.8	1312.8
150°	1543.2	1552.8	1591.1	1629.5	1591.1	1552.8	1543.2	1478.4	1392.0	1348.8	1317.5
152.5°	1514.8	1522.0	1551.0	1579.9	1551.0	1522.0	1514.8	1459.5	1385.7	1348.8	1320.5
155°	1480.9	1485.7	1504.8	1524.0	1504.8	1485.7	1480.9	1436.9	1378.2	1348.8	1327.3
157.5°	1451.5	1454.8	1468.4	1481.8	1468.4	1454.8	1451.5	1417.3	1371.6	1348.8	1334.0
160°	1436.9	1438.9	1446.6	1454.3	1446.6	1438.9	1436.9	1407.5	1368.4	1348.8	1337.0
162.5°	1423.1	1425.0	1432.3	1439.7	1432.3	1425.0	1423.1	1398.3	1365.3	1348.8	1340.3
165°	1402.0	1404.0	1411.7	1419.4	1411.7	1404.0	1402.0	1384.2	1360.7	1348.8	1345.0
167.5°	1392.8	1393.6	1397.0	1400.2	1397.0	1393.6	1392.8	1381.2	1365.7	1358.0	1354.8
170°	1392.8	1392.8	1392.8	1392.8	1392.8	1392.8	1392.8	1381.2	1365.7	1358.0	1357.8
172.5°	1385.5	1384.8	1382.0	1379.1	1382.0	1384.8	1385.5	1376.4	1364.1	1358.0	1358.0
175°	1375.5	1375.5	1375.5	1375.5	1375.5	1375.5	1375.5	1369.7	1361.9	1358.0	1359.9
177.5°	1373.6	1372.8	1369.6	1366.3	1369.6	1372.8	1373.6	1369.1	1362.9	1359.9	1361.3
180°	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3	1366.3



TEST NUMBER: P934978

CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	5290.9	5290.9	5290.9	5290.9	5290.9
2.5°	5225.8	5250.8	5265.8	5285.8	5335.9
5°	5025.5	5120.7	5150.7	5225.8	5315.8
7.5°	4585.1	4875.4	4955.4	5135.7	5275.8
10°	4159.6	4449.9	4590.0	5015.6	5225.8
12.5°	3944.4	4114.6	4209.6	4805.3	5155.7
15°	3809.2	3929.3	3999.4	4525.0	5075.6
17.5°	3704.1	3789.2	3839.3	4249.7	4965.5
20°	3639.0	3679.1	3724.1	4049.5	4840.4
22.5°	3594.0	3568.9	3604.0	3909.3	4670.2
25°	3563.9	3468.8	3508.9	3799.2	4469.9
27.5°	3588.9	3378.7	3393.7	3699.1	4259.7
30°	3594.0	3268.6	3273.6	3594.0	4024.5
32.5°	3559.0	3153.5	3158.5	3463.8	3759.1
35°	3473.9	3018.3	3013.3	3313.7	3398.7
37.5°	3358.7	2873.2	2873.2	3148.5	3003.4
40°	3218.6	2728.0	2743.1	2933.3	2652.9
42.5°	3048.3	2572.9	2592.9	2647.9	2392.6
45°	2863.1	2422.7	2437.7	2237.4	2192.4
47.5°	2658.0	2267.5	2272.5	1857.0	2127.4
50°	2412.6	2107.3	2087.3	1591.8	2122.4
52.5°	2197.4	1932.2	1872.0	1441.6	1927.1
55°	1987.2	1746.9	1616.7	1326.5	1786.9
57.5°	1802.0	1506.7	1381.5	1191.3	1757.0
60°	1631.8	1271.4	1176.3	1046.1	1611.8
62.5°	1491.6	1096.2	1076.2	946.1	1461.6
65°	1341.5	976.0	971.1	861.0	1241.4
67.5°	1196.3	896.0	890.9	780.8	946.1
70°	1041.1	810.9	800.9	695.7	700.8
72.5°	881.0	715.8	705.8	625.7	580.7
75°	720.8	605.7	600.7	545.6	470.5
77.5°	565.7	480.6	490.5	440.4	345.4
80°	405.4	350.4	360.4	315.3	260.3
82.5°	270.3	230.2	240.3	200.3	175.2
85°	150.2	130.2	135.2	105.1	80.1
87.5°	70.1	60.0	60.0	40.0	25.0
90°	40.3	25.6	23.8	16.5	9.2
92.5°	248.8	177.0	161.4	99.0	36.7
95°	612.2	344.8	316.3	202.1	88.0
97.5°	824.7	378.7	353.6	252.9	152.2
100°	902.0	407.1	384.3	293.0	201.7
102.5°	937.4	435.5	414.2	329.1	243.9
105°	963.7	477.7	459.7	387.6	315.4
107.5°	968.6	540.1	523.3	456.0	388.8
110°	961.3	574.9	559.8	499.0	438.3



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CATALOG NUMBER: SQ4-FA-075U-125D-B2750-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	961.6	617.1	602.6	544.8	486.9
115°	970.4	680.3	667.0	613.6	560.2
117.5°	988.5	741.8	729.6	681.2	632.7
120°	1003.2	777.6	766.1	720.6	674.9
122.5°	1024.3	819.8	808.2	762.2	716.1
125°	1052.7	873.9	863.4	821.4	779.4
127.5°	1081.1	926.1	915.6	873.2	830.8
130°	1101.9	961.0	949.5	904.0	858.3
132.5°	1118.6	989.4	977.9	932.4	886.7
135°	1137.1	1022.4	1012.0	970.4	928.9
137.5°	1164.6	1064.6	1054.3	1013.1	972.0
140°	1181.3	1093.0	1083.5	1045.6	1007.7
142.5°	1195.4	1114.1	1105.3	1070.3	1035.2
145°	1213.8	1146.2	1138.5	1108.0	1077.4
147.5°	1240.7	1186.6	1179.2	1149.4	1119.6
150°	1254.7	1207.7	1200.9	1174.0	1147.1
152.5°	1263.9	1221.4	1216.2	1195.9	1175.5
155°	1284.1	1251.6	1247.9	1232.8	1217.7
157.5°	1304.2	1281.9	1278.3	1263.6	1248.9
160°	1313.5	1295.7	1292.8	1281.4	1270.0
162.5°	1323.1	1310.3	1308.1	1299.6	1291.1
165°	1337.2	1331.4	1329.4	1321.7	1314.0
167.5°	1348.3	1343.3	1342.4	1338.7	1335.0
170°	1357.4	1357.1	1356.2	1352.5	1348.8
172.5°	1358.0	1358.0	1357.8	1356.9	1356.1
175°	1363.5	1366.3	1366.3	1366.3	1366.3
177.5°	1364.1	1366.3	1366.3	1366.3	1366.3
180°	1366.3	1366.3	1366.3	1366.3	1366.3



TEST NUMBER: P934978
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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	15.46	16.43	16.32	17.31	18.42	18.31	19.28	19.17	20.16	21.27
	3H	15.95	16.81	16.82	17.70	18.84	19.67	20.54	20.54	21.43	22.57
	4H	16.14	16.96	17.03	17.86	19.00	20.13	20.95	21.01	21.84	22.99
	6H	16.27	17.02	17.17	17.93	19.08	20.42	21.18	21.32	22.08	23.24
	8H	16.27	16.99	17.18	17.91	19.07	20.50	21.22	21.41	22.14	23.30
	12H	16.25	16.93	17.16	17.85	19.03	20.55	21.23	21.46	22.15	23.33
4H	2H	16.51	17.33	17.40	18.23	19.37	18.73	19.55	19.63	20.45	21.60
	3H	17.55	18.23	18.45	19.16	20.32	20.26	20.94	21.16	21.87	23.03
	4H	17.83	18.45	18.75	19.38	20.56	20.79	21.42	21.71	22.34	23.53
	6H	17.96	18.50	18.89	19.45	20.63	21.17	21.71	22.10	22.65	23.84
	8H	17.97	18.47	18.90	19.41	20.61	21.28	21.78	22.21	22.73	23.93
	12H	17.94	18.39	18.89	19.35	20.56	21.35	21.80	22.30	22.76	23.97
8H	4H	18.30	18.80	19.23	19.74	20.94	20.93	21.43	21.86	22.37	23.57
	6H	18.56	18.98	19.52	19.96	21.16	21.37	21.79	22.33	22.77	23.97
	8H	18.61	18.97	19.57	19.95	21.16	21.53	21.90	22.50	22.87	24.09
	12H	18.59	18.92	19.56	19.88	21.15	21.64	21.96	22.61	22.93	24.19
12H	4H	18.31	18.76	19.26	19.72	20.93	20.90	21.35	21.85	22.31	23.51
	6H	18.62	18.99	19.59	19.97	21.18	21.37	21.74	22.34	22.71	23.93
	8H	18.70	19.02	19.67	19.99	21.25	21.54	21.86	22.51	22.83	24.10