

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: P936132

Luminaire Tested: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-4-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936132
REPORT IS A COMBINATION OF REPORTS P933782 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-4-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

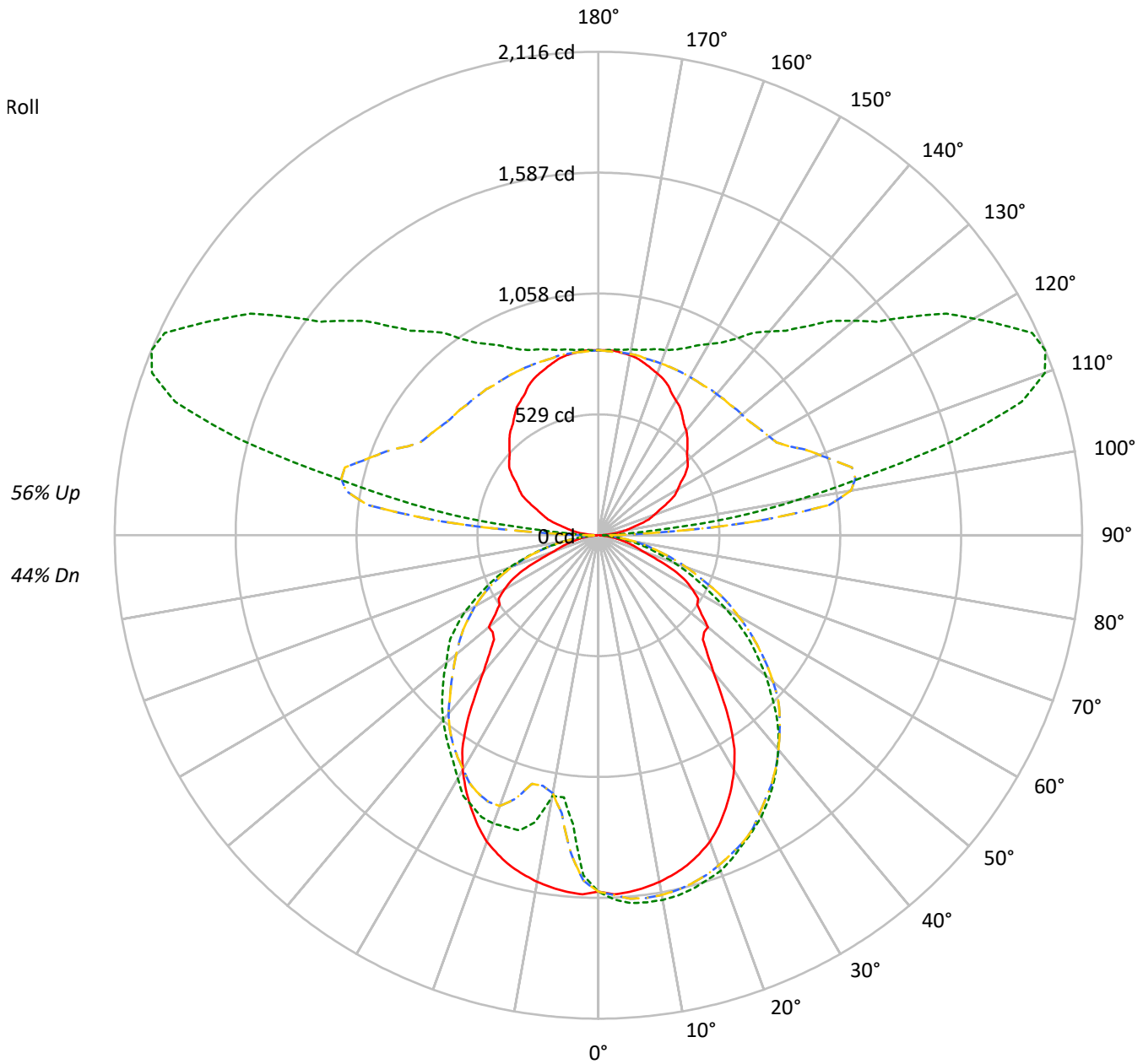
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9301.1 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 83.2
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					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	50	30	10	0		
RCR																										
0	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	44						44		
1	96	92	88	85	88	84	81	78	70	68	66	57	55	54	44	43	42						37			
2	88	80	74	69	80	74	69	64	61	58	54	50	47	45	39	37	36						31			
3	80	71	63	58	73	65	59	54	54	49	46	44	41	38	35	32	30						26			
4	73	63	55	49	67	57	51	45	48	43	39	39	35	32	31	28	26						22			
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	28	25	23						19			
6	62	50	42	36	56	46	39	34	39	33	29	32	28	24	25	22	20						17			
7	57	45	37	31	52	41	34	29	35	29	25	29	25	22	23	20	18						15			
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16						13			
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14						12			
10	46	34	27	22	42	31	25	21	27	22	18	22	18	16	18	15	13						11			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14475	14475	14475	14475
5°	14566	14612	14566	11489
10°	14453	14393	14453	10290
15°	14280	14081	14280	11758
20°	13965	13712	13965	11782
25°	13337	13172	13337	11532
30°	12532	12725	12532	10985
35°	11156	12160	11156	10382
40°	9279	11494	9279	9927
45°	8276	10714	8276	9404
50°	8771	9784	8771	8879
55°	8230	8782	8230	8574
60°	8453	7459	8453	7853
65°	7627	6166	7627	6893
70°	5245	4914	5245	5777
75°	4548	3632	4548	4350
80°	3590	2401	3590	2614
85°	1954	1271	1954	1079

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 12707 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.8	1.5
10°-20°	399.8	4.3
20°-30°	618.0	6.6
30°-40°	737.8	7.9
40°-50°	742.1	8.0
50°-60°	645.7	6.9
60°-70°	457.8	4.9
70°-80°	242.2	2.6
80°-90°	63.4	0.7
90°-100°	395.0	4.2
100°-110°	1038.6	11.2
110°-120°	1076.9	11.6
120°-130°	863.8	9.3
130°-140°	677.8	7.3
140°-150°	520.2	5.6
150°-160°	374.6	4.0
160°-170°	229.2	2.5
170°-180°	77.4	0.8
0°-30°	1158.6	12.5
0°-40°	1896.4	20.4
0°-60°	3284.1	35.3
0°-90°	4047.6	43.5
90°-120°	2510.5	27.0
90°-150°	4572.2	49.2
90°-180°	5254.0	56.5
0°-180°	9301.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1560	1560	1560	1560	1560	
5°	1567	1616	1567	1271	1567	149
15°	1496	1601	1496	1337	1496	421
25°	1318	1493	1318	1308	1318	605
35°	1002	1333	1002	1138	1002	620
45°	646	1098	646	964	646	518
55°	527	810	527	791	527	484
65°	366	488	366	546	366	350
75°	139	232	139	278	139	146
85°	24	59	24	50	24	32
90°	5	21	5	21	5	5
95°	52	239	52	239	52	58
105°	187	1626	187	1626	187	198
115°	332	2094	332	2094	332	328
125°	462	1668	462	1668	462	410
135°	551	1294	551	1294	551	426
145°	639	1050	639	1050	639	400
155°	722	904	722	904	722	332
165°	779	842	779	842	779	220
175°	810	816	810	816	810	77
180°	810	810	810	810	810	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9
2.5°	1573.1	1573.1	1582.0	1585.0	1585.0	1580.6	1576.1	1580.6	1593.8	1598.3	1596.8
5°	1567.2	1579.1	1595.3	1598.3	1601.2	1599.7	1596.8	1599.7	1614.5	1617.4	1618.9
7.5°	1555.4	1577.6	1598.3	1602.7	1607.1	1602.7	1601.2	1604.2	1618.9	1621.9	1621.9
10°	1540.7	1571.7	1595.3	1598.3	1602.7	1598.3	1598.3	1604.2	1618.9	1621.9	1623.4
12.5°	1520.0	1562.9	1585.0	1587.9	1593.8	1592.3	1590.9	1596.8	1611.5	1614.5	1614.5
15°	1496.4	1546.6	1567.2	1570.2	1580.6	1577.6	1577.6	1583.5	1599.7	1604.2	1602.7
17.5°	1464.0	1526.0	1549.5	1554.0	1561.4	1559.9	1561.4	1567.2	1582.0	1585.0	1586.4
20°	1427.1	1497.9	1526.0	1530.3	1537.7	1537.7	1537.7	1545.2	1559.9	1565.8	1565.8
22.5°	1376.9	1468.4	1497.9	1500.9	1509.7	1509.7	1512.6	1523.0	1536.3	1537.7	1537.7
25°	1317.8	1435.9	1461.0	1469.9	1478.7	1483.2	1487.6	1493.4	1497.9	1496.4	1497.9
27.5°	1255.9	1394.6	1427.1	1432.9	1444.8	1449.2	1455.1	1456.6	1458.0	1462.5	1459.5
30°	1186.5	1337.0	1385.7	1391.7	1410.9	1413.7	1407.9	1410.9	1418.2	1421.2	1424.1
32.5°	1108.3	1251.5	1342.9	1356.2	1374.0	1365.1	1363.6	1368.0	1379.8	1379.8	1382.8
35°	1002.1	1185.0	1303.1	1314.9	1328.2	1317.8	1323.7	1325.2	1332.6	1337.0	1335.6
37.5°	885.5	1127.5	1261.7	1270.6	1280.9	1267.7	1276.6	1280.9	1286.9	1283.9	1283.9
40°	782.1	1037.5	1213.1	1219.0	1227.8	1217.5	1226.3	1229.3	1232.3	1229.3	1227.8
42.5°	705.4	938.6	1161.5	1168.8	1162.9	1170.3	1173.2	1179.2	1174.7	1168.8	1168.8
45°	646.4	912.1	1105.3	1114.2	1105.3	1117.2	1121.6	1121.6	1108.3	1105.3	1103.9
47.5°	627.2	858.9	1049.2	1049.2	1044.9	1059.6	1066.9	1056.6	1043.4	1038.9	1038.9
50°	625.7	799.8	972.5	966.6	987.3	1005.0	997.6	987.3	976.9	960.7	960.7
52.5°	568.1	727.5	873.7	895.8	928.3	938.6	926.8	916.4	898.7	891.4	885.5
55°	526.9	652.3	783.6	827.9	861.8	875.1	853.0	842.6	816.1	811.7	808.7
57.5°	518.0	543.1	701.0	757.1	798.3	797.0	783.6	764.4	742.3	737.9	736.4
60°	475.2	392.6	612.4	678.9	721.6	717.2	705.4	687.7	667.0	664.1	661.2
62.5°	431.0	284.8	512.1	587.3	647.8	646.4	636.1	609.5	594.7	587.3	581.5
65°	366.0	239.1	364.5	488.5	575.5	578.5	556.4	537.2	521.0	512.1	510.6
67.5°	278.9	194.8	246.4	407.3	506.2	503.3	475.2	466.4	445.7	441.2	432.4
70°	206.6	129.8	171.2	330.6	438.3	431.0	408.8	398.4	379.2	369.0	363.0
72.5°	171.2	104.8	125.4	256.8	369.0	360.1	340.9	329.1	312.9	304.0	298.1
75°	138.7	110.7	95.9	190.4	299.5	293.7	276.0	264.1	250.9	239.1	240.5
77.5°	101.9	103.3	76.7	140.2	237.6	228.7	218.4	203.6	197.8	185.9	185.9
80°	76.7	81.2	57.6	95.9	171.2	171.2	162.4	152.0	141.7	135.8	135.8
82.5°	51.6	51.6	42.8	60.5	116.6	112.1	106.2	103.3	97.4	94.4	94.4
85°	23.6	29.5	26.6	36.9	63.5	66.4	66.4	63.5	62.0	59.0	60.5
87.5°	7.4	13.3	16.2	20.7	32.4	33.9	35.4	35.4	35.4	36.9	36.9
90°	5.4	9.8	14.1	15.3	24.0	35.6	41.3	36.7	27.6	20.7	20.7
92.5°	21.7	58.7	95.7	105.0	147.5	204.3	232.7	204.0	146.5	103.3	99.2
95°	52.2	119.9	187.6	204.5	363.1	574.7	680.4	607.2	460.7	350.8	338.3
97.5°	90.3	150.0	209.7	224.6	489.1	841.9	1018.2	971.9	879.3	809.9	786.1
100°	119.6	173.8	227.9	241.5	535.0	926.4	1122.0	1125.4	1132.2	1137.3	1109.1
102.5°	144.7	195.2	245.7	258.4	556.1	953.0	1151.4	1210.4	1328.4	1416.9	1392.7
105°	187.1	230.0	272.7	283.4	571.6	955.9	1148.1	1280.3	1544.8	1743.2	1730.2
107.5°	230.7	270.5	310.4	320.4	574.6	913.5	1082.9	1267.3	1636.2	1912.9	1916.0
110°	260.0	296.0	332.1	341.1	570.2	875.7	1028.5	1234.7	1647.1	1956.4	1969.9



TEST NUMBER: P936132

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	288.8	323.2	357.5	366.1	570.4	842.8	979.0	1190.1	1612.1	1928.7	1949.4
115°	332.3	364.0	395.6	403.6	575.6	805.1	919.7	1123.0	1529.6	1834.6	1863.4
117.5°	375.3	404.1	432.9	440.0	586.4	781.4	878.9	1062.4	1429.4	1704.6	1736.6
120°	400.3	427.4	454.4	461.2	595.0	773.4	862.6	1030.2	1365.5	1617.0	1648.1
122.5°	424.8	452.1	479.4	486.2	607.5	769.3	850.1	1001.1	1303.0	1529.5	1560.1
125°	462.4	487.2	512.1	518.3	624.4	765.8	836.5	964.7	1221.2	1413.6	1441.8
127.5°	492.8	517.9	543.0	549.3	641.2	763.8	825.1	935.3	1155.4	1320.6	1344.4
130°	509.1	536.1	563.2	570.0	653.6	765.0	820.8	918.8	1114.8	1261.8	1283.8
132.5°	525.9	553.0	580.1	586.9	663.5	765.8	816.9	904.6	1080.2	1211.8	1231.5
135°	551.0	575.6	600.2	606.4	674.4	765.0	810.4	883.9	1030.8	1141.1	1158.1
137.5°	576.5	600.9	625.3	631.4	690.7	769.8	809.3	871.4	995.7	1088.9	1102.8
140°	597.8	620.3	642.8	648.4	700.8	770.6	805.5	859.1	966.5	1047.0	1060.0
142.5°	614.1	634.8	655.6	660.8	709.1	773.3	805.5	852.7	946.9	1017.7	1028.8
145°	639.1	657.3	675.3	679.8	720.0	773.4	800.1	838.6	915.7	973.5	982.0
147.5°	664.1	681.8	699.4	703.8	735.9	778.7	800.1	830.4	891.0	936.6	943.5
150°	680.4	696.4	712.3	716.3	744.2	781.4	800.1	825.7	876.9	915.4	921.0
152.5°	697.3	709.4	721.4	724.5	749.7	783.3	800.1	822.0	865.8	898.5	902.8
155°	722.3	731.3	740.2	742.4	761.6	787.3	800.1	817.5	852.3	878.4	881.3
157.5°	740.8	749.5	758.1	760.3	773.6	791.3	800.1	813.6	840.6	861.0	863.0
160°	753.3	760.1	766.9	768.5	779.1	793.1	800.1	811.7	834.9	852.2	853.4
162.5°	765.8	770.9	775.9	777.2	784.8	795.0	800.1	809.9	829.5	844.1	845.2
165°	779.4	784.0	788.6	789.7	793.2	797.8	800.1	807.1	821.1	831.6	832.7
167.5°	791.9	794.1	796.3	796.8	799.7	803.6	805.5	810.1	819.3	826.2	826.7
170°	800.1	802.3	804.5	805.0	805.1	805.4	805.5	810.1	819.3	826.2	826.2
172.5°	804.5	804.9	805.4	805.5	805.5	805.5	805.5	809.2	816.4	821.8	821.4
175°	810.4	810.4	810.4	810.4	808.7	806.5	805.5	807.8	812.4	815.9	815.9
177.5°	810.4	810.4	810.4	810.4	809.2	807.5	806.6	808.5	812.0	814.7	814.2
180°	810.4	810.4	810.4	810.4	810.4	810.4	810.4	810.4	810.4	810.4	810.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9
2.5°	1599.7	1595.3	1599.7	1596.8	1598.3	1593.8	1580.6	1576.1	1580.6	1585.0	1585.0
5°	1618.9	1616.0	1618.9	1618.9	1617.4	1614.5	1599.7	1596.8	1599.7	1601.2	1598.3
7.5°	1624.8	1620.4	1624.8	1621.9	1621.9	1618.9	1604.2	1601.2	1602.7	1607.1	1602.7
10°	1624.8	1620.4	1624.8	1623.4	1621.9	1618.9	1604.2	1598.3	1598.3	1602.7	1598.3
12.5°	1617.4	1614.5	1617.4	1614.5	1614.5	1611.5	1596.8	1590.9	1592.3	1593.8	1587.9
15°	1605.6	1601.2	1605.6	1602.7	1604.2	1599.7	1583.5	1577.6	1577.6	1580.6	1570.2
17.5°	1587.9	1582.0	1587.9	1586.4	1585.0	1582.0	1567.2	1561.4	1559.9	1561.4	1554.0
20°	1567.2	1562.9	1567.2	1565.8	1565.8	1559.9	1545.2	1537.7	1537.7	1537.7	1530.3
22.5°	1534.8	1530.3	1534.8	1537.7	1537.7	1536.3	1523.0	1512.6	1509.7	1509.7	1500.9
25°	1497.9	1493.4	1497.9	1497.9	1496.4	1497.9	1493.4	1487.6	1483.2	1478.7	1469.9
27.5°	1462.5	1459.5	1462.5	1459.5	1462.5	1458.0	1456.6	1455.1	1449.2	1444.8	1432.9
30°	1427.1	1424.1	1427.1	1424.1	1421.2	1418.2	1410.9	1407.9	1413.7	1410.9	1391.7
32.5°	1382.8	1379.8	1382.8	1382.8	1379.8	1379.8	1368.0	1363.6	1365.1	1374.0	1356.2
35°	1337.0	1332.6	1337.0	1335.6	1337.0	1332.6	1325.2	1323.7	1317.8	1328.2	1314.9
37.5°	1283.9	1279.4	1283.9	1283.9	1283.9	1286.9	1280.9	1276.6	1267.7	1280.9	1270.6
40°	1229.3	1223.4	1229.3	1227.8	1229.3	1232.3	1229.3	1226.3	1217.5	1227.8	1219.0
42.5°	1167.3	1165.8	1167.3	1168.8	1168.8	1174.7	1179.2	1173.2	1170.3	1162.9	1168.8
45°	1100.9	1098.0	1100.9	1103.9	1105.3	1108.3	1121.6	1121.6	1117.2	1105.3	1114.2
47.5°	1030.0	1022.7	1030.0	1038.9	1038.9	1043.4	1056.6	1066.9	1059.6	1044.9	1049.2
50°	954.8	956.3	954.8	960.7	960.7	976.9	987.3	997.6	1005.0	987.3	966.6
52.5°	881.0	879.5	881.0	885.5	891.4	898.7	916.4	926.8	938.6	928.3	895.8
55°	807.2	810.2	807.2	808.7	811.7	816.1	842.6	853.0	875.1	861.8	827.9
57.5°	733.5	729.0	733.5	736.4	737.9	742.3	764.4	783.6	797.0	798.3	757.1
60°	647.8	642.0	647.8	661.2	664.1	667.0	687.7	705.4	717.2	721.6	678.9
62.5°	572.6	562.3	572.6	581.5	587.3	594.7	609.5	636.1	646.4	647.8	587.3
65°	492.9	488.5	492.9	510.6	512.1	521.0	537.2	556.4	578.5	575.5	488.5
67.5°	420.6	420.6	420.6	432.4	441.2	445.7	466.4	475.2	503.3	506.2	407.3
70°	354.2	352.7	354.2	363.0	369.0	379.2	398.4	408.8	431.0	438.3	330.6
72.5°	290.7	289.3	290.7	298.1	304.0	312.9	329.1	340.9	360.1	369.0	256.8
75°	234.7	231.7	234.7	240.5	239.1	250.9	264.1	276.0	293.7	299.5	190.4
77.5°	180.1	180.1	180.1	185.9	185.9	197.8	203.6	218.4	228.7	237.6	140.2
80°	134.3	132.8	134.3	135.8	135.8	141.7	152.0	162.4	171.2	171.2	95.9
82.5°	94.4	91.5	94.4	94.4	94.4	97.4	103.3	106.2	112.1	116.6	60.5
85°	59.0	59.0	59.0	60.5	59.0	62.0	63.5	66.4	66.4	63.5	36.9
87.5°	38.4	36.9	38.4	36.9	36.9	35.4	35.4	35.4	33.9	32.4	20.7
90°	20.7	20.7	20.7	20.7	20.7	27.6	36.7	41.3	35.6	24.0	15.3
92.5°	82.8	66.4	82.8	99.2	103.3	146.5	204.0	232.7	204.3	147.5	105.0
95°	288.6	238.8	288.6	338.3	350.8	460.7	607.2	680.4	574.7	363.1	204.5
97.5°	691.4	596.6	691.4	786.1	809.9	879.3	971.9	1018.2	841.9	489.1	224.6
100°	996.2	883.3	996.2	1109.1	1137.3	1132.2	1125.4	1122.0	926.4	535.0	241.5
102.5°	1296.0	1199.3	1296.0	1392.7	1416.9	1328.4	1210.4	1151.4	953.0	556.1	258.4
105°	1678.2	1626.3	1678.2	1730.2	1743.2	1544.8	1280.3	1148.1	955.9	571.6	283.4
107.5°	1928.6	1941.1	1928.6	1916.0	1912.9	1636.2	1267.3	1082.9	913.5	574.6	320.4
110°	2024.1	2078.2	2024.1	1969.9	1956.4	1647.1	1234.7	1028.5	875.7	570.2	341.1



TEST NUMBER: P936132

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2032.6	2115.7	2032.6	1949.4	1928.7	1612.1	1190.1	979.0	842.8	570.4	366.1
115°	1978.7	2094.0	1978.7	1863.4	1834.6	1529.6	1123.0	919.7	805.1	575.6	403.6
117.5°	1864.4	1992.2	1864.4	1736.6	1704.6	1429.4	1062.4	878.9	781.4	586.4	440.0
120°	1772.3	1896.6	1772.3	1648.1	1617.0	1365.5	1030.2	862.6	773.4	595.0	461.2
122.5°	1682.7	1805.2	1682.7	1560.1	1529.5	1303.0	1001.1	850.1	769.3	607.5	486.2
125°	1554.7	1667.6	1554.7	1441.8	1413.6	1221.2	964.7	836.5	765.8	624.4	518.3
127.5°	1439.6	1534.9	1439.6	1344.4	1320.6	1155.4	935.3	825.1	763.8	641.2	549.3
130°	1371.8	1459.8	1371.8	1283.8	1261.8	1114.8	918.8	820.8	765.0	653.6	570.0
132.5°	1310.2	1389.1	1310.2	1231.5	1211.8	1080.2	904.6	816.9	765.8	663.5	586.9
135°	1226.0	1293.9	1226.0	1158.1	1141.1	1030.8	883.9	810.4	765.0	674.4	606.4
137.5°	1158.4	1214.0	1158.4	1102.8	1088.9	995.7	871.4	809.3	769.8	690.7	631.4
140°	1111.9	1163.9	1111.9	1060.0	1047.0	966.5	859.1	805.5	770.6	700.8	648.4
142.5°	1073.6	1118.2	1073.6	1028.8	1017.7	946.9	852.7	805.5	773.3	709.1	660.8
145°	1015.9	1049.8	1015.9	982.0	973.5	915.7	838.6	800.1	773.4	720.0	679.8
147.5°	971.6	999.7	971.6	943.5	936.6	891.0	830.4	800.1	778.7	735.9	703.8
150°	943.8	966.5	943.8	921.0	915.4	876.9	825.7	800.1	781.4	744.2	716.3
152.5°	920.0	937.1	920.0	902.8	898.5	865.8	822.0	800.1	783.3	749.7	724.5
155°	892.6	904.0	892.6	881.3	878.4	852.3	817.5	800.1	787.3	761.6	742.4
157.5°	870.9	878.9	870.9	863.0	861.0	840.6	813.6	800.1	791.3	773.6	760.3
160°	858.0	862.6	858.0	853.4	852.2	834.9	811.7	800.1	793.1	779.1	768.5
162.5°	849.5	853.9	849.5	845.2	844.1	829.5	809.9	800.1	795.0	784.8	777.2
165°	837.3	841.9	837.3	832.7	831.6	821.1	807.1	800.1	797.8	793.2	789.7
167.5°	828.6	830.5	828.6	826.7	826.2	819.3	810.1	805.5	803.6	799.7	796.8
170°	826.2	826.2	826.2	826.2	826.2	819.3	810.1	805.5	805.4	805.1	805.0
172.5°	819.7	818.1	819.7	821.4	821.8	816.4	809.2	805.5	805.5	805.5	805.5
175°	815.9	815.9	815.9	815.9	815.9	812.4	807.8	805.5	806.5	808.7	810.4
177.5°	812.3	810.4	812.3	814.2	814.7	812.0	808.5	806.6	807.5	809.2	810.4
180°	810.4	810.4	810.4	810.4	810.4	810.4	810.4	810.4	810.4	810.4	810.4



TEST NUMBER: P936132

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9
2.5°	1582.0	1573.1	1573.1	1558.4	1552.5	1548.0	1540.7	1518.6	1512.6	1506.8	1515.6
5°	1595.3	1579.1	1567.2	1540.7	1518.6	1509.7	1481.7	1428.6	1393.2	1366.6	1351.8
7.5°	1598.3	1577.6	1555.4	1514.1	1461.0	1437.4	1351.8	1254.4	1227.8	1204.2	1189.5
10°	1595.3	1571.7	1540.7	1478.7	1353.3	1312.0	1226.3	1162.9	1146.6	1142.3	1146.6
12.5°	1585.0	1562.9	1520.0	1416.7	1241.1	1213.1	1162.9	1126.0	1123.1	1130.4	1170.3
15°	1567.2	1546.6	1496.4	1334.1	1179.2	1158.5	1123.1	1109.8	1126.0	1177.7	1297.2
17.5°	1549.5	1526.0	1464.0	1252.9	1131.9	1117.2	1092.0	1118.6	1210.1	1279.4	1319.3
20°	1526.0	1497.9	1427.1	1193.9	1098.0	1084.7	1072.9	1192.4	1261.7	1286.9	1309.0
22.5°	1497.9	1468.4	1376.9	1152.6	1062.6	1052.2	1059.6	1233.8	1261.7	1279.4	1298.6
25°	1461.0	1435.9	1317.8	1120.1	1034.5	1022.7	1050.7	1229.3	1245.5	1250.0	1288.3
27.5°	1427.1	1394.6	1255.9	1090.6	1000.6	996.1	1058.1	1210.1	1221.9	1226.3	1267.7
30°	1385.7	1337.0	1186.5	1059.6	965.2	963.7	1059.6	1186.5	1183.5	1195.4	1236.7
32.5°	1342.9	1251.5	1108.3	1021.2	931.2	929.8	1049.2	1151.1	1148.1	1164.3	1195.4
35°	1303.1	1185.0	1002.1	976.9	888.4	889.9	1024.2	1109.8	1111.2	1126.0	1145.2
37.5°	1261.7	1127.5	885.5	928.3	847.1	847.1	990.2	1071.4	1068.4	1072.9	1099.5
40°	1213.1	1037.5	782.1	864.8	808.7	804.3	948.9	1030.0	1019.8	1018.3	1055.2
42.5°	1161.5	938.6	705.4	780.6	764.4	758.6	898.7	979.9	960.7	965.2	1012.3
45°	1105.3	912.1	646.4	659.7	718.7	714.3	844.1	922.4	909.1	920.9	969.6
47.5°	1049.2	858.9	627.2	547.6	670.0	668.5	783.6	866.3	858.9	870.7	922.4
50°	972.5	799.8	625.7	469.3	615.4	621.3	711.3	811.7	811.7	822.0	876.6
52.5°	873.7	727.5	568.1	425.0	551.9	569.6	647.8	764.4	767.4	777.8	826.4
55°	783.6	652.3	526.9	391.1	476.7	515.0	585.9	715.8	721.6	732.0	776.3
57.5°	701.0	543.1	518.0	351.3	407.3	444.2	531.2	668.5	671.5	680.4	723.1
60°	612.4	392.6	475.2	308.4	346.8	374.8	481.1	612.4	622.8	628.6	665.5
62.5°	512.1	284.8	431.0	278.9	317.2	323.2	439.8	559.3	572.6	577.0	599.2
65°	364.5	239.1	366.0	253.8	286.3	287.8	395.5	504.7	516.5	523.9	540.1
67.5°	246.4	194.8	278.9	230.2	262.7	264.1	352.7	441.2	457.5	463.4	473.7
70°	171.2	129.8	206.6	205.1	236.1	239.1	307.0	383.7	398.4	402.9	408.8
72.5°	125.4	104.8	171.2	184.4	208.1	211.0	259.7	318.7	333.6	337.9	340.9
75°	95.9	110.7	138.7	160.9	177.1	178.6	212.5	259.7	270.1	273.0	274.5
77.5°	76.7	103.3	101.9	129.8	144.6	141.7	166.7	200.7	209.5	209.5	209.5
80°	57.6	81.2	76.7	93.0	106.2	103.3	119.6	143.2	146.1	149.0	147.5
82.5°	42.8	51.6	51.6	59.0	70.8	67.8	79.7	93.0	93.0	93.0	95.9
85°	26.6	29.5	23.6	31.0	39.9	38.4	44.3	50.1	51.6	51.6	48.7
87.5°	16.2	13.3	7.4	11.8	17.7	17.7	20.7	22.1	20.7	20.7	20.7
90°	14.1	9.8	5.4	9.8	14.1	15.3	24.0	35.6	41.3	36.7	27.6
92.5°	95.7	58.7	21.7	58.7	95.7	105.0	147.5	204.3	232.7	204.0	146.5
95°	187.6	119.9	52.2	119.9	187.6	204.5	363.1	574.7	680.4	607.2	460.7
97.5°	209.7	150.0	90.3	150.0	209.7	224.6	489.1	841.9	1018.2	971.9	879.3
100°	227.9	173.8	119.6	173.8	227.9	241.5	535.0	926.4	1122.0	1125.4	1132.2
102.5°	245.7	195.2	144.7	195.2	245.7	258.4	556.1	953.0	1151.4	1210.4	1328.4
105°	272.7	230.0	187.1	230.0	272.7	283.4	571.6	955.9	1148.1	1280.3	1544.8
107.5°	310.4	270.5	230.7	270.5	310.4	320.4	574.6	913.5	1082.9	1267.3	1636.2
110°	332.1	296.0	260.0	296.0	332.1	341.1	570.2	875.7	1028.5	1234.7	1647.1



TEST NUMBER: P936132

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	357.5	323.2	288.8	323.2	357.5	366.1	570.4	842.8	979.0	1190.1	1612.1
115°	395.6	364.0	332.3	364.0	395.6	403.6	575.6	805.1	919.7	1123.0	1529.6
117.5°	432.9	404.1	375.3	404.1	432.9	440.0	586.4	781.4	878.9	1062.4	1429.4
120°	454.4	427.4	400.3	427.4	454.4	461.2	595.0	773.4	862.6	1030.2	1365.5
122.5°	479.4	452.1	424.8	452.1	479.4	486.2	607.5	769.3	850.1	1001.1	1303.0
125°	512.1	487.2	462.4	487.2	512.1	518.3	624.4	765.8	836.5	964.7	1221.2
127.5°	543.0	517.9	492.8	517.9	543.0	549.3	641.2	763.8	825.1	935.3	1155.4
130°	563.2	536.1	509.1	536.1	563.2	570.0	653.6	765.0	820.8	918.8	1114.8
132.5°	580.1	553.0	525.9	553.0	580.1	586.9	663.5	765.8	816.9	904.6	1080.2
135°	600.2	575.6	551.0	575.6	600.2	606.4	674.4	765.0	810.4	883.9	1030.8
137.5°	625.3	600.9	576.5	600.9	625.3	631.4	690.7	769.8	809.3	871.4	995.7
140°	642.8	620.3	597.8	620.3	642.8	648.4	700.8	770.6	805.5	859.1	966.5
142.5°	655.6	634.8	614.1	634.8	655.6	660.8	709.1	773.3	805.5	852.7	946.9
145°	675.3	657.3	639.1	657.3	675.3	679.8	720.0	773.4	800.1	838.6	915.7
147.5°	699.4	681.8	664.1	681.8	699.4	703.8	735.9	778.7	800.1	830.4	891.0
150°	712.3	696.4	680.4	696.4	712.3	716.3	744.2	781.4	800.1	825.7	876.9
152.5°	721.4	709.4	697.3	709.4	721.4	724.5	749.7	783.3	800.1	822.0	865.8
155°	740.2	731.3	722.3	731.3	740.2	742.4	761.6	787.3	800.1	817.5	852.3
157.5°	758.1	749.5	740.8	749.5	758.1	760.3	773.6	791.3	800.1	813.6	840.6
160°	766.9	760.1	753.3	760.1	766.9	768.5	779.1	793.1	800.1	811.7	834.9
162.5°	775.9	770.9	765.8	770.9	775.9	777.2	784.8	795.0	800.1	809.9	829.5
165°	788.6	784.0	779.4	784.0	788.6	789.7	793.2	797.8	800.1	807.1	821.1
167.5°	796.3	794.1	791.9	794.1	796.3	796.8	799.7	803.6	805.5	810.1	819.3
170°	804.5	802.3	800.1	802.3	804.5	805.0	805.1	805.4	805.5	810.1	819.3
172.5°	805.4	804.9	804.5	804.9	805.4	805.5	805.5	805.5	805.5	809.2	816.4
175°	810.4	810.4	810.4	810.4	810.4	810.4	808.7	806.5	805.5	807.8	812.4
177.5°	810.4	810.4	810.4	810.4	810.4	810.4	809.2	807.5	806.6	808.5	812.0
180°	810.4	810.4	810.4	810.4	810.4	810.4	810.4	810.4	810.4	810.4	810.4



TEST NUMBER: P936132
 CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9
2.5°	1505.3	1500.9	1506.8	1490.5	1506.8	1500.9	1505.3	1515.6	1506.8	1512.6	1518.6
5°	1320.8	1313.5	1289.8	1270.6	1289.8	1313.5	1320.8	1351.8	1366.6	1393.2	1428.6
7.5°	1180.6	1174.7	1168.8	1157.0	1168.8	1174.7	1180.6	1189.5	1204.2	1227.8	1254.4
10°	1149.6	1151.1	1160.0	1158.5	1160.0	1151.1	1149.6	1146.6	1142.3	1146.6	1162.9
12.5°	1229.3	1242.6	1291.3	1288.3	1291.3	1242.6	1229.3	1170.3	1130.4	1123.1	1126.0
15°	1320.8	1325.2	1335.6	1337.0	1335.6	1325.2	1320.8	1297.2	1177.7	1126.0	1109.8
17.5°	1329.7	1331.2	1338.5	1338.5	1338.5	1331.2	1329.7	1319.3	1279.4	1210.1	1118.6
20°	1322.3	1325.2	1340.0	1342.9	1340.0	1325.2	1322.3	1309.0	1286.9	1261.7	1192.4
22.5°	1319.3	1325.2	1337.0	1335.6	1337.0	1325.2	1319.3	1298.6	1279.4	1261.7	1233.8
25°	1304.6	1304.6	1306.0	1307.5	1306.0	1304.6	1304.6	1288.3	1250.0	1245.5	1229.3
27.5°	1273.6	1276.6	1285.4	1283.9	1285.4	1276.6	1273.6	1267.7	1226.3	1221.9	1210.1
30°	1245.5	1242.6	1235.2	1229.3	1235.2	1242.6	1245.5	1236.7	1195.4	1183.5	1186.5
32.5°	1198.3	1190.9	1183.5	1179.2	1183.5	1190.9	1198.3	1195.4	1164.3	1148.1	1151.1
35°	1142.3	1143.7	1142.3	1137.8	1142.3	1143.7	1142.3	1145.2	1126.0	1111.2	1109.8
37.5°	1102.4	1105.3	1103.9	1098.0	1103.9	1105.3	1102.4	1099.5	1072.9	1068.4	1071.4
40°	1061.1	1062.6	1061.1	1056.6	1061.1	1062.6	1061.1	1055.2	1018.3	1019.8	1030.0
42.5°	1021.2	1019.8	1015.3	1012.3	1015.3	1019.8	1021.2	1012.3	965.2	960.7	979.9
45°	975.5	976.9	968.1	963.7	968.1	976.9	975.5	969.6	920.9	909.1	922.4
47.5°	929.8	929.8	922.4	917.9	922.4	929.8	929.8	922.4	870.7	858.9	866.3
50°	881.0	879.5	869.2	867.8	869.2	879.5	881.0	876.6	822.0	811.7	811.7
52.5°	824.9	824.9	826.4	829.4	826.4	824.9	824.9	826.4	777.8	767.4	764.4
55°	776.3	777.8	788.1	791.0	788.1	777.8	776.3	776.3	732.0	721.6	715.8
57.5°	726.1	726.1	733.5	733.5	733.5	726.1	726.1	723.1	680.4	671.5	668.5
60°	668.5	671.5	677.4	675.9	677.4	671.5	668.5	665.5	628.6	622.8	612.4
62.5°	608.0	610.9	612.4	609.5	612.4	610.9	608.0	599.2	577.0	572.6	559.3
65°	544.6	547.6	548.9	546.1	548.9	547.6	544.6	540.1	523.9	516.5	504.7
67.5°	479.6	478.1	476.7	482.6	476.7	478.1	479.6	473.7	463.4	457.5	441.2
70°	413.2	413.2	411.8	414.7	411.8	413.2	413.2	408.8	402.9	398.4	383.7
72.5°	342.4	340.9	346.8	342.4	346.8	340.9	342.4	340.9	337.9	333.6	318.7
75°	273.0	276.0	273.0	277.5	273.0	276.0	273.0	274.5	273.0	270.1	259.7
77.5°	208.1	211.0	208.1	208.1	208.1	211.0	208.1	209.5	209.5	209.5	200.7
80°	147.5	146.1	146.1	144.6	146.1	146.1	147.5	147.5	149.0	146.1	143.2
82.5°	94.4	93.0	93.0	95.9	93.0	93.0	94.4	95.9	93.0	93.0	93.0
85°	51.6	53.1	50.1	50.1	50.1	53.1	51.6	48.7	51.6	51.6	50.1
87.5°	19.2	17.7	17.7	17.7	17.7	17.7	19.2	20.7	20.7	20.7	22.1
90°	20.7	20.7	20.7	20.7	20.7	20.7	20.7	27.6	36.7	41.3	35.6
92.5°	103.3	99.2	82.8	66.4	82.8	99.2	103.3	146.5	204.0	232.7	204.3
95°	350.8	338.3	288.6	238.8	288.6	338.3	350.8	460.7	607.2	680.4	574.7
97.5°	809.9	786.1	691.4	596.6	691.4	786.1	809.9	879.3	971.9	1018.2	841.9
100°	1137.3	1109.1	996.2	883.3	996.2	1109.1	1137.3	1132.2	1125.4	1122.0	926.4
102.5°	1416.9	1392.7	1296.0	1199.3	1296.0	1392.7	1416.9	1328.4	1210.4	1151.4	953.0
105°	1743.2	1730.2	1678.2	1626.3	1678.2	1730.2	1743.2	1544.8	1280.3	1148.1	955.9
107.5°	1912.9	1916.0	1928.6	1941.1	1928.6	1916.0	1912.9	1636.2	1267.3	1082.9	913.5
110°	1956.4	1969.9	2024.1	2078.2	2024.1	1969.9	1956.4	1647.1	1234.7	1028.5	875.7



TEST NUMBER: P936132

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1928.7	1949.4	2032.6	2115.7	2032.6	1949.4	1928.7	1612.1	1190.1	979.0	842.8
115°	1834.6	1863.4	1978.7	2094.0	1978.7	1863.4	1834.6	1529.6	1123.0	919.7	805.1
117.5°	1704.6	1736.6	1864.4	1992.2	1864.4	1736.6	1704.6	1429.4	1062.4	878.9	781.4
120°	1617.0	1648.1	1772.3	1896.6	1772.3	1648.1	1617.0	1365.5	1030.2	862.6	773.4
122.5°	1529.5	1560.1	1682.7	1805.2	1682.7	1560.1	1529.5	1303.0	1001.1	850.1	769.3
125°	1413.6	1441.8	1554.7	1667.6	1554.7	1441.8	1413.6	1221.2	964.7	836.5	765.8
127.5°	1320.6	1344.4	1439.6	1534.9	1439.6	1344.4	1320.6	1155.4	935.3	825.1	763.8
130°	1261.8	1283.8	1371.8	1459.8	1371.8	1283.8	1261.8	1114.8	918.8	820.8	765.0
132.5°	1211.8	1231.5	1310.2	1389.1	1310.2	1231.5	1211.8	1080.2	904.6	816.9	765.8
135°	1141.1	1158.1	1226.0	1293.9	1226.0	1158.1	1141.1	1030.8	883.9	810.4	765.0
137.5°	1088.9	1102.8	1158.4	1214.0	1158.4	1102.8	1088.9	995.7	871.4	809.3	769.8
140°	1047.0	1060.0	1111.9	1163.9	1111.9	1060.0	1047.0	966.5	859.1	805.5	770.6
142.5°	1017.7	1028.8	1073.6	1118.2	1073.6	1028.8	1017.7	946.9	852.7	805.5	773.3
145°	973.5	982.0	1015.9	1049.8	1015.9	982.0	973.5	915.7	838.6	800.1	773.4
147.5°	936.6	943.5	971.6	999.7	971.6	943.5	936.6	891.0	830.4	800.1	778.7
150°	915.4	921.0	943.8	966.5	943.8	921.0	915.4	876.9	825.7	800.1	781.4
152.5°	898.5	902.8	920.0	937.1	920.0	902.8	898.5	865.8	822.0	800.1	783.3
155°	878.4	881.3	892.6	904.0	892.6	881.3	878.4	852.3	817.5	800.1	787.3
157.5°	861.0	863.0	870.9	878.9	870.9	863.0	861.0	840.6	813.6	800.1	791.3
160°	852.2	853.4	858.0	862.6	858.0	853.4	852.2	834.9	811.7	800.1	793.1
162.5°	844.1	845.2	849.5	853.9	849.5	845.2	844.1	829.5	809.9	800.1	795.0
165°	831.6	832.7	837.3	841.9	837.3	832.7	831.6	821.1	807.1	800.1	797.8
167.5°	826.2	826.7	828.6	830.5	828.6	826.7	826.2	819.3	810.1	805.5	803.6
170°	826.2	826.2	826.2	826.2	826.2	826.2	826.2	819.3	810.1	805.5	805.4
172.5°	821.8	821.4	819.7	818.1	819.7	821.4	821.8	816.4	809.2	805.5	805.5
175°	815.9	815.9	815.9	815.9	815.9	815.9	815.9	812.4	807.8	805.5	806.5
177.5°	814.7	814.2	812.3	810.4	812.3	814.2	814.7	812.0	808.5	806.6	807.5
180°	810.4	810.4	810.4	810.4	810.4	810.4	810.4	810.4	810.4	810.4	810.4



TEST NUMBER: P936132

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1559.9	1559.9	1559.9	1559.9	1559.9
2.5°	1540.7	1548.0	1552.5	1558.4	1573.1
5°	1481.7	1509.7	1518.6	1540.7	1567.2
7.5°	1351.8	1437.4	1461.0	1514.1	1555.4
10°	1226.3	1312.0	1353.3	1478.7	1540.7
12.5°	1162.9	1213.1	1241.1	1416.7	1520.0
15°	1123.1	1158.5	1179.2	1334.1	1496.4
17.5°	1092.0	1117.2	1131.9	1252.9	1464.0
20°	1072.9	1084.7	1098.0	1193.9	1427.1
22.5°	1059.6	1052.2	1062.6	1152.6	1376.9
25°	1050.7	1022.7	1034.5	1120.1	1317.8
27.5°	1058.1	996.1	1000.6	1090.6	1255.9
30°	1059.6	963.7	965.2	1059.6	1186.5
32.5°	1049.2	929.8	931.2	1021.2	1108.3
35°	1024.2	889.9	888.4	976.9	1002.1
37.5°	990.2	847.1	847.1	928.3	885.5
40°	948.9	804.3	808.7	864.8	782.1
42.5°	898.7	758.6	764.4	780.6	705.4
45°	844.1	714.3	718.7	659.7	646.4
47.5°	783.6	668.5	670.0	547.6	627.2
50°	711.3	621.3	615.4	469.3	625.7
52.5°	647.8	569.6	551.9	425.0	568.1
55°	585.9	515.0	476.7	391.1	526.9
57.5°	531.2	444.2	407.3	351.3	518.0
60°	481.1	374.8	346.8	308.4	475.2
62.5°	439.8	323.2	317.2	278.9	431.0
65°	395.5	287.8	286.3	253.8	366.0
67.5°	352.7	264.1	262.7	230.2	278.9
70°	307.0	239.1	236.1	205.1	206.6
72.5°	259.7	211.0	208.1	184.4	171.2
75°	212.5	178.6	177.1	160.9	138.7
77.5°	166.7	141.7	144.6	129.8	101.9
80°	119.6	103.3	106.2	93.0	76.7
82.5°	79.7	67.8	70.8	59.0	51.6
85°	44.3	38.4	39.9	31.0	23.6
87.5°	20.7	17.7	17.7	11.8	7.4
90°	24.0	15.3	14.1	9.8	5.4
92.5°	147.5	105.0	95.7	58.7	21.7
95°	363.1	204.5	187.6	119.9	52.2
97.5°	489.1	224.6	209.7	150.0	90.3
100°	535.0	241.5	227.9	173.8	119.6
102.5°	556.1	258.4	245.7	195.2	144.7
105°	571.6	283.4	272.7	230.0	187.1
107.5°	574.6	320.4	310.4	270.5	230.7
110°	570.2	341.1	332.1	296.0	260.0



TEST NUMBER: P936132

CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	570.4	366.1	357.5	323.2	288.8
115°	575.6	403.6	395.6	364.0	332.3
117.5°	586.4	440.0	432.9	404.1	375.3
120°	595.0	461.2	454.4	427.4	400.3
122.5°	607.5	486.2	479.4	452.1	424.8
125°	624.4	518.3	512.1	487.2	462.4
127.5°	641.2	549.3	543.0	517.9	492.8
130°	653.6	570.0	563.2	536.1	509.1
132.5°	663.5	586.9	580.1	553.0	525.9
135°	674.4	606.4	600.2	575.6	551.0
137.5°	690.7	631.4	625.3	600.9	576.5
140°	700.8	648.4	642.8	620.3	597.8
142.5°	709.1	660.8	655.6	634.8	614.1
145°	720.0	679.8	675.3	657.3	639.1
147.5°	735.9	703.8	699.4	681.8	664.1
150°	744.2	716.3	712.3	696.4	680.4
152.5°	749.7	724.5	721.4	709.4	697.3
155°	761.6	742.4	740.2	731.3	722.3
157.5°	773.6	760.3	758.1	749.5	740.8
160°	779.1	768.5	766.9	760.1	753.3
162.5°	784.8	777.2	775.9	770.9	765.8
165°	793.2	789.7	788.6	784.0	779.4
167.5°	799.7	796.8	796.3	794.1	791.9
170°	805.1	805.0	804.5	802.3	800.1
172.5°	805.5	805.5	805.4	804.9	804.5
175°	808.7	810.4	810.4	810.4	810.4
177.5°	809.2	810.4	810.4	810.4	810.4
180°	810.4	810.4	810.4	810.4	810.4



TEST NUMBER: P936132
 CATALOG NUMBER: SQ4-FA-150U-125D-92765-1D-UNV-STD-W-4-3000K

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	13.45	14.25	14.46	15.27	16.64	16.25	17.05	17.26	18.07	19.43
	3H	13.92	14.64	14.94	15.67	17.05	17.58	18.30	18.60	19.33	20.71
	4H	14.11	14.79	15.14	15.83	17.21	18.01	18.70	19.05	19.73	21.12
	6H	14.23	14.86	15.27	15.89	17.29	18.29	18.92	19.33	19.95	21.35
	8H	14.23	14.82	15.27	15.88	17.27	18.35	18.95	19.40	20.01	21.40
	12H	14.19	14.76	15.25	15.81	17.23	18.39	18.96	19.44	20.00	21.42
4H	2H	14.47	15.15	15.51	16.18	17.57	16.65	17.33	17.69	18.37	19.75
	3H	15.49	16.06	16.54	17.12	18.52	18.14	18.71	19.19	19.77	21.17
	4H	15.76	16.28	16.82	17.33	18.76	18.66	19.18	19.71	20.23	21.66
	6H	15.88	16.33	16.95	17.41	18.83	19.01	19.46	20.08	20.54	21.96
	8H	15.89	16.31	16.95	17.37	18.81	19.11	19.53	20.18	20.60	22.03
	12H	15.85	16.23	16.94	17.31	18.75	19.16	19.54	20.25	20.62	22.06
8H	4H	16.21	16.62	17.27	17.69	19.13	18.78	19.20	19.85	20.27	21.70
	6H	16.46	16.81	17.55	17.92	19.35	19.21	19.55	20.29	20.66	22.09
	8H	16.51	16.81	17.60	17.90	19.35	19.35	19.66	20.45	20.75	22.20
	12H	16.49	16.76	17.59	17.84	19.33	19.44	19.71	20.54	20.80	22.29
12H	4H	16.21	16.59	17.29	17.67	19.11	18.74	19.12	19.83	20.20	21.64
	6H	16.52	16.83	17.62	17.92	19.37	19.20	19.51	20.30	20.60	22.05
	8H	16.59	16.85	17.69	17.94	19.43	19.36	19.62	20.46	20.71	22.20