

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: P936159

Luminaire Tested: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-4-4000K

Issue Date: 12/17/2024

**Test Information**

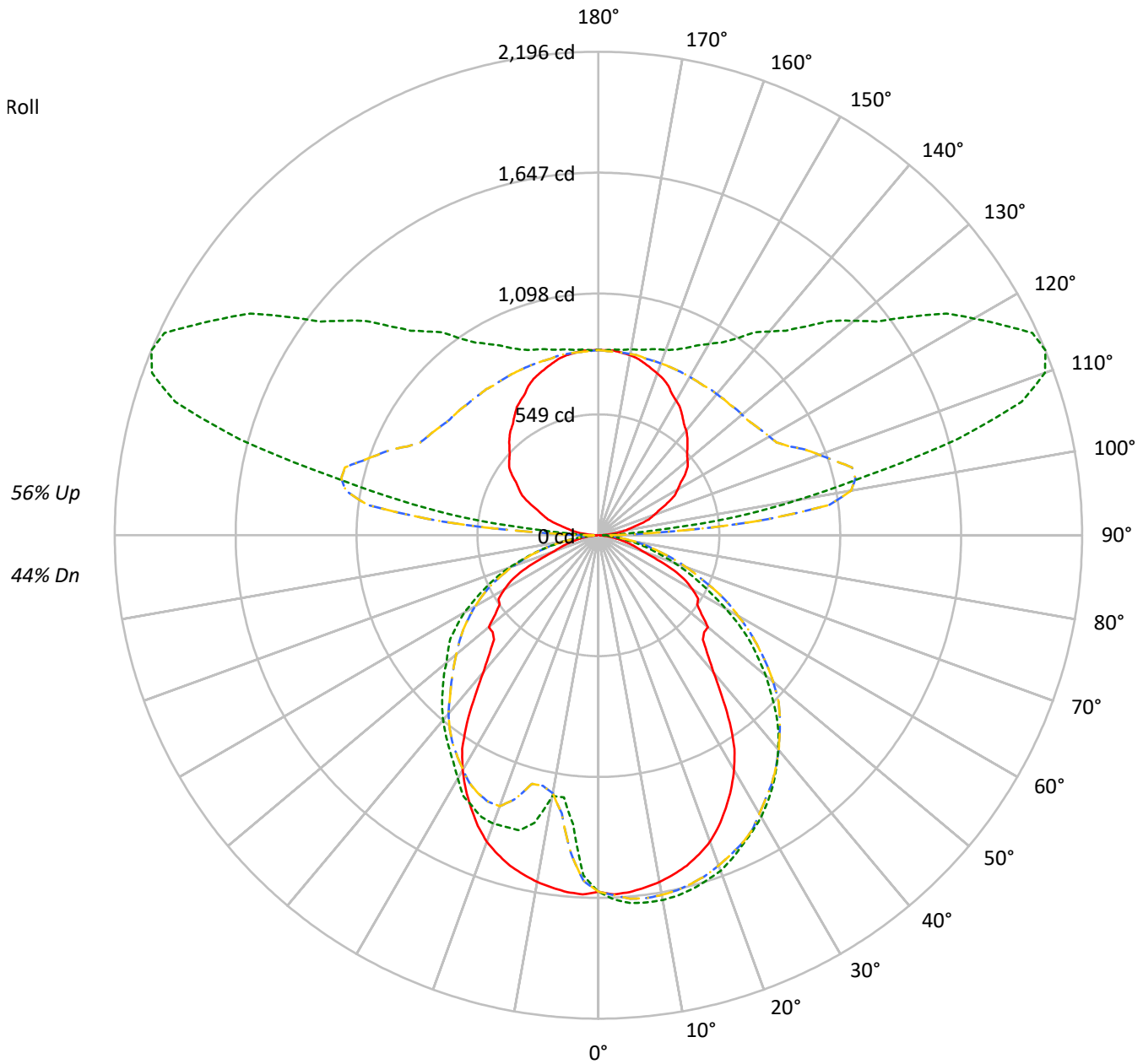
Test Method: LM-79-2019  
Report Number: P936159  
REPORT IS A COMBINATION OF REPORTS P933782 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-4-4000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9654.5 lumens  
Efficiency: N/A  
Efficacy: 116.0 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	
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	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	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°	15025	15025	15025	15025
5°	15120	15167	15120	11925
10°	15002	14940	15002	10681
15°	14823	14617	14823	12204
20°	14496	14233	14496	12230
25°	13844	13673	13844	11971
30°	13009	13209	13009	11402
35°	11579	12622	11579	10777
40°	9631	11931	9631	10304
45°	8589	11121	8589	9761
50°	9105	10156	9105	9215
55°	8543	9116	8543	8900
60°	8773	7743	8773	8152
65°	7917	6401	7917	7154
70°	5443	5100	5443	5996
75°	4722	3770	4722	4515
80°	3730	2493	3730	2714
85°	2029	1321	2029	1120

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 13190 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	146.2	1.5
10°-20°	415.0	4.3
20°-30°	641.5	6.6
30°-40°	765.8	7.9
40°-50°	770.3	8.0
50°-60°	670.2	6.9
60°-70°	475.2	4.9
70°-80°	251.4	2.6
80°-90°	65.8	0.7
90°-100°	410.0	4.2
100°-110°	1078.0	11.2
110°-120°	1117.8	11.6
120°-130°	896.6	9.3
130°-140°	703.5	7.3
140°-150°	540.0	5.6
150°-160°	388.9	4.0
160°-170°	237.9	2.5
170°-180°	80.4	0.8
0°-30°	1202.6	12.5
0°-40°	1968.4	20.4
0°-60°	3408.9	35.3
0°-90°	4201.4	43.5
90°-120°	2605.9	27.0
90°-150°	4745.9	49.2
90°-180°	5453.0	56.5
0°-180°	9654.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1619	1619	1619	1619	1619	
5°	1627	1677	1627	1319	1627	154
15°	1553	1662	1553	1388	1553	437
25°	1368	1550	1368	1357	1368	628
35°	1040	1383	1040	1181	1040	643
45°	671	1140	671	1000	671	537
55°	547	841	547	821	547	503
65°	380	507	380	567	380	363
75°	144	240	144	288	144	151
85°	24	61	24	52	24	33
90°	6	22	6	22	6	6
95°	54	248	54	248	54	60
105°	194	1688	194	1688	194	206
115°	345	2174	345	2174	345	341
125°	480	1731	480	1731	480	426
135°	572	1343	572	1343	572	442
145°	663	1090	663	1090	663	416
155°	750	938	750	938	750	344
165°	809	874	809	874	809	228
175°	841	847	841	847	841	80
180°	841	841	841	841	841	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1619.2	1619.2	1619.2	1619.2	1619.2	1619.2	1619.2	1619.2	1619.2	1619.2	1619.2
2.5°	1632.9	1632.9	1642.1	1645.2	1645.2	1640.6	1636.0	1640.6	1654.4	1659.0	1657.4
5°	1626.8	1639.1	1655.9	1659.0	1662.1	1660.5	1657.4	1660.5	1675.8	1678.9	1680.4
7.5°	1614.5	1637.5	1659.0	1663.6	1668.1	1663.6	1662.1	1665.1	1680.4	1683.5	1683.5
10°	1599.2	1631.4	1655.9	1659.0	1663.6	1659.0	1659.0	1665.1	1680.4	1683.5	1685.0
12.5°	1577.8	1622.2	1645.2	1648.2	1654.4	1652.8	1651.3	1657.4	1672.7	1675.8	1675.8
15°	1553.3	1605.4	1626.8	1629.8	1640.6	1637.5	1637.5	1643.7	1660.5	1665.1	1663.6
17.5°	1519.6	1583.9	1608.4	1613.0	1620.7	1619.2	1620.7	1626.8	1642.1	1645.2	1646.7
20°	1481.3	1554.8	1583.9	1588.5	1596.2	1596.2	1596.2	1603.9	1619.2	1625.3	1625.3
22.5°	1429.2	1524.2	1554.8	1557.9	1567.0	1567.0	1570.1	1580.9	1594.6	1596.2	1596.2
25°	1367.9	1490.4	1516.5	1525.7	1534.9	1539.5	1544.1	1550.2	1554.8	1553.3	1554.8
27.5°	1303.6	1447.5	1481.3	1487.4	1499.7	1504.3	1510.4	1511.9	1513.4	1518.0	1515.0
30°	1231.6	1387.8	1438.4	1444.5	1464.5	1467.4	1461.4	1464.5	1472.1	1475.1	1478.2
32.5°	1150.4	1299.0	1393.9	1407.7	1426.2	1416.9	1415.4	1420.0	1432.2	1432.2	1435.3
35°	1040.1	1230.0	1352.6	1364.9	1378.7	1367.9	1374.0	1375.6	1383.3	1387.8	1386.3
37.5°	919.1	1170.3	1309.7	1318.9	1329.6	1315.8	1325.1	1329.6	1335.7	1332.7	1332.7
40°	811.8	1076.9	1259.2	1265.3	1274.5	1263.8	1272.9	1276.0	1279.1	1276.0	1274.5
42.5°	732.2	974.2	1205.6	1213.2	1207.0	1214.7	1217.8	1224.0	1219.3	1213.2	1213.2
45°	670.9	946.7	1147.3	1156.5	1147.3	1159.6	1164.2	1164.2	1150.4	1147.3	1145.8
47.5°	651.0	891.5	1089.1	1089.1	1084.6	1099.9	1107.5	1096.8	1083.0	1078.4	1078.4
50°	649.5	830.2	1009.4	1003.4	1024.8	1043.2	1035.5	1024.8	1014.1	997.2	997.2
52.5°	589.7	755.2	906.9	929.8	963.5	974.2	962.0	951.2	932.9	925.3	919.1
55°	546.9	677.1	813.4	859.4	894.6	908.3	885.4	874.7	847.1	842.5	839.4
57.5°	537.7	563.7	727.7	785.9	828.7	827.2	813.4	793.5	770.5	765.9	764.4
60°	493.2	407.5	635.7	704.7	749.0	744.5	732.2	713.8	692.4	689.3	686.3
62.5°	447.3	295.6	531.5	609.6	672.4	670.9	660.2	632.6	617.3	609.6	603.6
65°	379.9	248.2	378.4	507.1	597.4	600.5	577.5	557.6	540.7	531.5	530.0
67.5°	289.5	202.2	255.8	422.8	525.4	522.4	493.2	484.1	462.6	458.0	448.9
70°	214.4	134.8	177.7	343.1	454.9	447.3	424.3	413.6	393.7	383.0	376.8
72.5°	177.7	108.8	130.2	266.6	383.0	373.7	353.8	341.6	324.8	315.5	309.4
75°	144.0	114.9	99.6	197.6	310.9	304.9	286.5	274.2	260.4	248.2	249.6
77.5°	105.7	107.3	79.7	145.5	246.7	237.4	226.7	211.4	205.3	193.0	193.0
80°	79.7	84.3	59.7	99.6	177.7	177.7	168.5	157.8	147.1	140.9	140.9
82.5°	53.6	53.6	44.4	62.8	121.0	116.4	110.2	107.3	101.1	98.0	98.0
85°	24.5	30.6	27.6	38.3	65.9	69.0	69.0	65.9	64.4	61.3	62.8
87.5°	7.7	13.8	16.8	21.5	33.7	35.2	36.7	36.7	36.7	38.3	38.3
90°	5.6	10.1	14.7	15.8	24.9	36.9	42.9	38.1	28.6	21.5	21.5
92.5°	22.5	60.9	99.4	109.0	153.2	212.1	241.6	211.7	152.1	107.3	103.0
95°	54.2	124.5	194.7	212.3	376.9	596.5	706.3	630.3	478.2	364.1	351.2
97.5°	93.7	155.7	217.7	233.2	507.7	873.8	1056.9	1008.8	912.7	840.6	816.0
100°	124.2	180.4	236.6	250.6	555.3	961.6	1164.7	1168.2	1175.3	1180.5	1151.2
102.5°	150.2	202.7	255.1	268.2	577.2	989.2	1195.2	1256.4	1378.8	1470.7	1445.6
105°	194.2	238.7	283.0	294.2	593.3	992.2	1191.7	1329.0	1603.5	1809.4	1795.9
107.5°	239.4	280.8	322.2	332.6	596.4	948.2	1124.0	1315.5	1698.4	1985.6	1988.8
110°	269.8	307.2	344.7	354.0	591.9	909.0	1067.5	1281.6	1709.7	2030.7	2044.8



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	299.8	335.5	371.1	380.0	592.1	874.8	1016.2	1235.3	1673.4	2001.9	2023.5
115°	345.0	377.8	410.7	418.9	597.5	835.6	954.7	1165.7	1587.7	1904.3	1934.2
117.5°	389.6	419.5	449.3	456.7	608.6	811.1	912.3	1102.8	1483.6	1769.3	1802.5
120°	415.5	443.6	471.7	478.7	617.6	802.8	895.4	1069.4	1417.4	1678.4	1710.7
122.5°	440.9	469.2	497.7	504.7	630.6	798.5	882.4	1039.1	1352.5	1587.6	1619.3
125°	479.9	505.7	531.6	538.0	648.1	794.9	868.3	1001.4	1267.6	1467.3	1496.6
127.5°	511.5	537.6	563.6	570.2	665.6	792.8	856.5	970.8	1199.3	1370.8	1395.5
130°	528.4	556.5	584.6	591.6	678.4	794.1	851.9	953.7	1157.2	1309.8	1332.6
132.5°	545.9	574.1	602.1	609.2	688.7	794.9	848.0	939.0	1121.2	1257.8	1278.3
135°	571.9	597.5	623.0	629.4	700.1	794.1	841.2	917.5	1070.0	1184.4	1202.1
137.5°	598.4	623.7	649.1	655.4	717.0	799.1	840.1	904.5	1033.5	1130.3	1144.7
140°	620.5	643.8	667.2	673.0	727.4	799.9	836.1	891.8	1003.2	1086.7	1100.2
142.5°	637.4	659.0	680.5	685.9	736.0	802.7	836.1	885.1	982.9	1056.3	1067.9
145°	663.4	682.2	701.0	705.7	747.3	802.8	830.5	870.5	950.5	1010.5	1019.3
147.5°	689.3	707.7	725.9	730.6	763.9	808.3	830.5	862.0	924.9	972.1	979.4
150°	706.3	722.9	739.3	743.5	772.5	811.1	830.5	857.1	910.2	950.1	956.0
152.5°	723.8	736.3	748.8	752.0	778.2	813.0	830.5	853.2	898.6	932.7	937.1
155°	749.7	759.1	768.3	770.7	790.6	817.2	830.5	848.6	884.7	911.8	914.8
157.5°	768.9	778.0	786.9	789.2	803.0	821.3	830.5	844.5	872.6	893.7	895.7
160°	781.9	788.9	796.0	797.7	808.7	823.2	830.5	842.5	866.6	884.6	885.8
162.5°	794.9	800.2	805.4	806.8	814.6	825.2	830.5	840.6	861.0	876.2	877.3
165°	809.0	813.7	818.5	819.7	823.3	828.1	830.5	837.7	852.3	863.2	864.3
167.5°	822.0	824.2	826.5	827.0	830.0	834.1	836.1	840.9	850.4	857.5	858.1
170°	830.5	832.7	835.0	835.6	835.7	836.0	836.1	840.9	850.4	857.5	857.5
172.5°	835.0	835.5	836.0	836.1	836.1	836.1	836.1	839.9	847.4	853.0	852.6
175°	841.2	841.2	841.2	841.2	839.4	837.2	836.1	838.5	843.2	846.9	846.9
177.5°	841.2	841.2	841.2	841.2	839.9	838.2	837.3	839.2	842.9	845.7	845.1
180°	841.2	841.2	841.2	841.2	841.2	841.2	841.2	841.2	841.2	841.2	841.2



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1619.2	1619.2	1619.2	1619.2	1619.2	1619.2	1619.2	1619.2	1619.2	1619.2	1619.2
2.5°	1660.5	1655.9	1660.5	1657.4	1659.0	1654.4	1640.6	1636.0	1640.6	1645.2	1645.2
5°	1680.4	1677.4	1680.4	1680.4	1678.9	1675.8	1660.5	1657.4	1660.5	1662.1	1659.0
7.5°	1686.5	1682.0	1686.5	1683.5	1683.5	1680.4	1665.1	1662.1	1663.6	1668.1	1663.6
10°	1686.5	1682.0	1686.5	1685.0	1683.5	1680.4	1665.1	1659.0	1659.0	1663.6	1659.0
12.5°	1678.9	1675.8	1678.9	1675.8	1675.8	1672.7	1657.4	1651.3	1652.8	1654.4	1648.2
15°	1666.6	1662.1	1666.6	1663.6	1665.1	1660.5	1643.7	1637.5	1637.5	1640.6	1629.8
17.5°	1648.2	1642.1	1648.2	1646.7	1645.2	1642.1	1626.8	1620.7	1619.2	1620.7	1613.0
20°	1626.8	1622.2	1626.8	1625.3	1625.3	1619.2	1603.9	1596.2	1596.2	1596.2	1588.5
22.5°	1593.1	1588.5	1593.1	1596.2	1596.2	1594.6	1580.9	1570.1	1567.0	1567.0	1557.9
25°	1554.8	1550.2	1554.8	1554.8	1553.3	1554.8	1550.2	1544.1	1539.5	1534.9	1525.7
27.5°	1518.0	1515.0	1518.0	1515.0	1518.0	1513.4	1511.9	1510.4	1504.3	1499.7	1487.4
30°	1481.3	1478.2	1481.3	1478.2	1475.1	1472.1	1464.5	1461.4	1467.4	1464.5	1444.5
32.5°	1435.3	1432.2	1435.3	1435.3	1432.2	1432.2	1420.0	1415.4	1416.9	1426.2	1407.7
35°	1387.8	1383.3	1387.8	1386.3	1387.8	1383.3	1375.6	1374.0	1367.9	1378.7	1364.9
37.5°	1332.7	1328.1	1332.7	1332.7	1332.7	1335.7	1329.6	1325.1	1315.8	1329.6	1318.9
40°	1276.0	1269.9	1276.0	1274.5	1276.0	1279.1	1276.0	1272.9	1263.8	1274.5	1265.3
42.5°	1211.6	1210.1	1211.6	1213.2	1213.2	1219.3	1224.0	1217.8	1214.7	1207.0	1213.2
45°	1142.8	1139.7	1142.8	1145.8	1147.3	1150.4	1164.2	1164.2	1159.6	1147.3	1156.5
47.5°	1069.2	1061.6	1069.2	1078.4	1078.4	1083.0	1096.8	1107.5	1099.9	1084.6	1089.1
50°	991.1	992.6	991.1	997.2	997.2	1014.1	1024.8	1035.5	1043.2	1024.8	1003.4
52.5°	914.5	912.9	914.5	919.1	925.3	932.9	951.2	962.0	974.2	963.5	929.8
55°	837.9	841.0	837.9	839.4	842.5	847.1	874.7	885.4	908.3	894.6	859.4
57.5°	761.3	756.7	761.3	764.4	765.9	770.5	793.5	813.4	827.2	828.7	785.9
60°	672.4	666.4	672.4	686.3	689.3	692.4	713.8	732.2	744.5	749.0	704.7
62.5°	594.3	583.6	594.3	603.6	609.6	617.3	632.6	660.2	670.9	672.4	609.6
65°	511.6	507.1	511.6	530.0	531.5	540.7	557.6	577.5	600.5	597.4	507.1
67.5°	436.6	436.6	436.6	448.9	458.0	462.6	484.1	493.2	522.4	525.4	422.8
70°	367.7	366.1	367.7	376.8	383.0	393.7	413.6	424.3	447.3	454.9	343.1
72.5°	301.8	300.2	301.8	309.4	315.5	324.8	341.6	353.8	373.7	383.0	266.6
75°	243.6	240.5	243.6	249.6	248.2	260.4	274.2	286.5	304.9	310.9	197.6
77.5°	186.9	186.9	186.9	193.0	193.0	205.3	211.4	226.7	237.4	246.7	145.5
80°	139.4	137.9	139.4	140.9	140.9	147.1	157.8	168.5	177.7	177.7	99.6
82.5°	98.0	95.0	98.0	98.0	98.0	101.1	107.3	110.2	116.4	121.0	62.8
85°	61.3	61.3	61.3	62.8	61.3	64.4	65.9	69.0	69.0	65.9	38.3
87.5°	39.8	38.3	39.8	38.3	38.3	36.7	36.7	36.7	35.2	33.7	21.5
90°	21.5	21.5	21.5	21.5	21.5	28.6	38.1	42.9	36.9	24.9	15.8
92.5°	85.9	68.9	85.9	103.0	107.3	152.1	211.7	241.6	212.1	153.2	109.0
95°	299.5	247.8	299.5	351.2	364.1	478.2	630.3	706.3	596.5	376.9	212.3
97.5°	717.7	619.3	717.7	816.0	840.6	912.7	1008.8	1056.9	873.8	507.7	233.2
100°	1034.1	916.8	1034.1	1151.2	1180.5	1175.3	1168.2	1164.7	961.6	555.3	250.6
102.5°	1345.3	1244.9	1345.3	1445.6	1470.7	1378.8	1256.4	1195.2	989.2	577.2	268.2
105°	1742.0	1688.0	1742.0	1795.9	1809.4	1603.5	1329.0	1191.7	992.2	593.3	294.2
107.5°	2001.9	2014.9	2001.9	1988.8	1985.6	1698.4	1315.5	1124.0	948.2	596.4	332.6
110°	2101.0	2157.2	2101.0	2044.8	2030.7	1709.7	1281.6	1067.5	909.0	591.9	354.0





TEST NUMBER: P936159

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-4-4000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2109.8	2196.1	2109.8	2023.5	2001.9	1673.4	1235.3	1016.2	874.8	592.1	380.0
115°	2053.9	2173.6	2053.9	1934.2	1904.3	1587.7	1165.7	954.7	835.6	597.5	418.9
117.5°	1935.2	2067.9	1935.2	1802.5	1769.3	1483.6	1102.8	912.3	811.1	608.6	456.7
120°	1839.6	1968.6	1839.6	1710.7	1678.4	1417.4	1069.4	895.4	802.8	617.6	478.7
122.5°	1746.6	1873.8	1746.6	1619.3	1587.6	1352.5	1039.1	882.4	798.5	630.6	504.7
125°	1613.7	1730.9	1613.7	1496.6	1467.3	1267.6	1001.4	868.3	794.9	648.1	538.0
127.5°	1494.3	1593.2	1494.3	1395.5	1370.8	1199.3	970.8	856.5	792.8	665.6	570.2
130°	1423.9	1515.2	1423.9	1332.6	1309.8	1157.2	953.7	851.9	794.1	678.4	591.6
132.5°	1360.0	1441.8	1360.0	1278.3	1257.8	1121.2	939.0	848.0	794.9	688.7	609.2
135°	1272.6	1343.1	1272.6	1202.1	1184.4	1070.0	917.5	841.2	794.1	700.1	629.4
137.5°	1202.4	1260.1	1202.4	1144.7	1130.3	1033.5	904.5	840.1	799.1	717.0	655.4
140°	1154.2	1208.1	1154.2	1100.2	1086.7	1003.2	891.8	836.1	799.9	727.4	673.0
142.5°	1114.3	1160.7	1114.3	1067.9	1056.3	982.9	885.1	836.1	802.7	736.0	685.9
145°	1054.5	1089.6	1054.5	1019.3	1010.5	950.5	870.5	830.5	802.8	747.3	705.7
147.5°	1008.5	1037.7	1008.5	979.4	972.1	924.9	862.0	830.5	808.3	763.9	730.6
150°	979.7	1003.2	979.7	956.0	950.1	910.2	857.1	830.5	811.1	772.5	743.5
152.5°	954.9	972.7	954.9	937.1	932.7	898.6	853.2	830.5	813.0	778.2	752.0
155°	926.5	938.3	926.5	914.8	911.8	884.7	848.6	830.5	817.2	790.6	770.7
157.5°	904.0	912.3	904.0	895.7	893.7	872.6	844.5	830.5	821.3	803.0	789.2
160°	890.6	895.4	890.6	885.8	884.6	866.6	842.5	830.5	823.2	808.7	797.7
162.5°	881.8	886.3	881.8	877.3	876.2	861.0	840.6	830.5	825.2	814.6	806.8
165°	869.1	873.9	869.1	864.3	863.2	852.3	837.7	830.5	828.1	823.3	819.7
167.5°	860.1	862.1	860.1	858.1	857.5	850.4	840.9	836.1	834.1	830.0	827.0
170°	857.5	857.5	857.5	857.5	857.5	850.4	840.9	836.1	836.0	835.7	835.6
172.5°	850.9	849.1	850.9	852.6	853.0	847.4	839.9	836.1	836.1	836.1	836.1
175°	846.9	846.9	846.9	846.9	846.9	843.2	838.5	836.1	837.2	839.4	841.2
177.5°	843.2	841.2	843.2	845.1	845.7	842.9	839.2	837.3	838.2	839.9	841.2
180°	841.2	841.2	841.2	841.2	841.2	841.2	841.2	841.2	841.2	841.2	841.2



TEST NUMBER: P936159

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-4-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1619.2	1619.2	1619.2	1619.2	1619.2	1619.2	1619.2	1619.2	1619.2	1619.2	1619.2
2.5°	1642.1	1632.9	1632.9	1617.6	1611.5	1606.8	1599.2	1576.2	1570.1	1564.0	1573.2
5°	1655.9	1639.1	1626.8	1599.2	1576.2	1567.0	1538.0	1482.8	1446.1	1418.5	1403.2
7.5°	1659.0	1637.5	1614.5	1571.6	1516.5	1492.0	1403.2	1302.1	1274.5	1249.9	1234.6
10°	1655.9	1631.4	1599.2	1534.9	1404.7	1361.8	1272.9	1207.0	1190.2	1185.7	1190.2
12.5°	1645.2	1622.2	1577.8	1470.5	1288.2	1259.2	1207.0	1168.7	1165.8	1173.4	1214.7
15°	1626.8	1605.4	1553.3	1384.8	1224.0	1202.5	1165.8	1151.9	1168.7	1222.4	1346.5
17.5°	1608.4	1583.9	1519.6	1300.5	1174.9	1159.6	1133.5	1161.1	1256.1	1328.1	1369.4
20°	1583.9	1554.8	1481.3	1239.3	1139.7	1125.9	1113.6	1237.7	1309.7	1335.7	1358.7
22.5°	1554.8	1524.2	1429.2	1196.4	1102.9	1092.2	1099.9	1280.6	1309.7	1328.1	1348.0
25°	1516.5	1490.4	1367.9	1162.7	1073.8	1061.6	1090.6	1276.0	1292.8	1297.5	1337.3
27.5°	1481.3	1447.5	1303.6	1132.0	1038.6	1034.0	1098.3	1256.1	1268.3	1272.9	1315.8
30°	1438.4	1387.8	1231.6	1099.9	1001.8	1000.3	1099.9	1231.6	1228.5	1240.8	1283.7
32.5°	1393.9	1299.0	1150.4	1060.0	966.6	965.1	1089.1	1194.8	1191.7	1208.6	1240.8
35°	1352.6	1230.0	1040.1	1014.1	922.2	923.7	1063.1	1151.9	1153.4	1168.7	1188.7
37.5°	1309.7	1170.3	919.1	963.5	879.3	879.3	1027.8	1112.1	1109.0	1113.6	1141.2
40°	1259.2	1076.9	811.8	897.6	839.4	834.8	985.0	1069.2	1058.5	1057.0	1095.2
42.5°	1205.6	974.2	732.2	810.3	793.5	787.4	932.9	1017.1	997.2	1001.8	1050.8
45°	1147.3	946.7	670.9	684.8	746.0	741.4	876.2	957.4	943.6	955.9	1006.4
47.5°	1089.1	891.5	651.0	568.4	695.4	693.9	813.4	899.2	891.5	903.8	957.4
50°	1009.4	830.2	649.5	487.2	638.8	644.9	738.3	842.5	842.5	853.2	909.9
52.5°	906.9	755.2	589.7	441.2	572.9	591.3	672.4	793.5	796.5	807.3	857.8
55°	813.4	677.1	546.9	406.0	494.8	534.6	608.2	743.0	749.0	759.8	805.8
57.5°	727.7	563.7	537.7	364.6	422.8	461.1	551.4	693.9	697.0	706.2	750.6
60°	635.7	407.5	493.2	320.2	360.0	389.0	499.4	635.7	646.5	652.5	690.8
62.5°	531.5	295.6	447.3	289.5	329.3	335.5	456.5	580.6	594.3	598.9	621.9
65°	378.4	248.2	379.9	263.5	297.2	298.7	410.5	523.9	536.1	543.8	560.7
67.5°	255.8	202.2	289.5	239.0	272.6	274.2	366.1	458.0	474.8	481.0	491.7
70°	177.7	134.8	214.4	212.9	245.1	248.2	318.6	398.3	413.6	418.2	424.3
72.5°	130.2	108.8	177.7	191.4	216.0	219.0	269.6	330.8	346.2	350.7	353.8
75°	99.6	114.9	144.0	167.0	183.8	185.4	220.6	269.6	280.3	283.4	284.9
77.5°	79.7	107.3	105.7	134.8	150.1	147.1	173.1	208.4	217.5	217.5	217.5
80°	59.7	84.3	79.7	96.5	110.2	107.3	124.1	148.6	151.6	154.7	153.2
82.5°	44.4	53.6	53.6	61.3	73.5	70.4	82.7	96.5	96.5	96.5	99.6
85°	27.6	30.6	24.5	32.1	41.4	39.8	46.0	52.0	53.6	53.6	50.5
87.5°	16.8	13.8	7.7	12.2	18.4	18.4	21.5	23.0	21.5	21.5	21.5
90°	14.7	10.1	5.6	10.1	14.7	15.8	24.9	36.9	42.9	38.1	28.6
92.5°	99.4	60.9	22.5	60.9	99.4	109.0	153.2	212.1	241.6	211.7	152.1
95°	194.7	124.5	54.2	124.5	194.7	212.3	376.9	596.5	706.3	630.3	478.2
97.5°	217.7	155.7	93.7	155.7	217.7	233.2	507.7	873.8	1056.9	1008.8	912.7
100°	236.6	180.4	124.2	180.4	236.6	250.6	555.3	961.6	1164.7	1168.2	1175.3
102.5°	255.1	202.7	150.2	202.7	255.1	268.2	577.2	989.2	1195.2	1256.4	1378.8
105°	283.0	238.7	194.2	238.7	283.0	294.2	593.3	992.2	1191.7	1329.0	1603.5
107.5°	322.2	280.8	239.4	280.8	322.2	332.6	596.4	948.2	1124.0	1315.5	1698.4
110°	344.7	307.2	269.8	307.2	344.7	354.0	591.9	909.0	1067.5	1281.6	1709.7



TEST NUMBER: P936159

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-4-4000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	371.1	335.5	299.8	335.5	371.1	380.0	592.1	874.8	1016.2	1235.3	1673.4
115°	410.7	377.8	345.0	377.8	410.7	418.9	597.5	835.6	954.7	1165.7	1587.7
117.5°	449.3	419.5	389.6	419.5	449.3	456.7	608.6	811.1	912.3	1102.8	1483.6
120°	471.7	443.6	415.5	443.6	471.7	478.7	617.6	802.8	895.4	1069.4	1417.4
122.5°	497.7	469.2	440.9	469.2	497.7	504.7	630.6	798.5	882.4	1039.1	1352.5
125°	531.6	505.7	479.9	505.7	531.6	538.0	648.1	794.9	868.3	1001.4	1267.6
127.5°	563.6	537.6	511.5	537.6	563.6	570.2	665.6	792.8	856.5	970.8	1199.3
130°	584.6	556.5	528.4	556.5	584.6	591.6	678.4	794.1	851.9	953.7	1157.2
132.5°	602.1	574.1	545.9	574.1	602.1	609.2	688.7	794.9	848.0	939.0	1121.2
135°	623.0	597.5	571.9	597.5	623.0	629.4	700.1	794.1	841.2	917.5	1070.0
137.5°	649.1	623.7	598.4	623.7	649.1	655.4	717.0	799.1	840.1	904.5	1033.5
140°	667.2	643.8	620.5	643.8	667.2	673.0	727.4	799.9	836.1	891.8	1003.2
142.5°	680.5	659.0	637.4	659.0	680.5	685.9	736.0	802.7	836.1	885.1	982.9
145°	701.0	682.2	663.4	682.2	701.0	705.7	747.3	802.8	830.5	870.5	950.5
147.5°	725.9	707.7	689.3	707.7	725.9	730.6	763.9	808.3	830.5	862.0	924.9
150°	739.3	722.9	706.3	722.9	739.3	743.5	772.5	811.1	830.5	857.1	910.2
152.5°	748.8	736.3	723.8	736.3	748.8	752.0	778.2	813.0	830.5	853.2	898.6
155°	768.3	759.1	749.7	759.1	768.3	770.7	790.6	817.2	830.5	848.6	884.7
157.5°	786.9	778.0	768.9	778.0	786.9	789.2	803.0	821.3	830.5	844.5	872.6
160°	796.0	788.9	781.9	788.9	796.0	797.7	808.7	823.2	830.5	842.5	866.6
162.5°	805.4	800.2	794.9	800.2	805.4	806.8	814.6	825.2	830.5	840.6	861.0
165°	818.5	813.7	809.0	813.7	818.5	819.7	823.3	828.1	830.5	837.7	852.3
167.5°	826.5	824.2	822.0	824.2	826.5	827.0	830.0	834.1	836.1	840.9	850.4
170°	835.0	832.7	830.5	832.7	835.0	835.6	835.7	836.0	836.1	840.9	850.4
172.5°	836.0	835.5	835.0	835.5	836.0	836.1	836.1	836.1	836.1	839.9	847.4
175°	841.2	841.2	841.2	841.2	841.2	841.2	839.4	837.2	836.1	838.5	843.2
177.5°	841.2	841.2	841.2	841.2	841.2	841.2	839.9	838.2	837.3	839.2	842.9
180°	841.2	841.2	841.2	841.2	841.2	841.2	841.2	841.2	841.2	841.2	841.2



TEST NUMBER: P936159

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-4-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1619.2	1619.2	1619.2	1619.2	1619.2	1619.2	1619.2	1619.2	1619.2	1619.2	1619.2
2.5°	1562.5	1557.9	1564.0	1547.1	1564.0	1557.9	1562.5	1573.2	1564.0	1570.1	1576.2
5°	1371.0	1363.4	1338.8	1318.9	1338.8	1363.4	1371.0	1403.2	1418.5	1446.1	1482.8
7.5°	1225.5	1219.3	1213.2	1201.0	1213.2	1219.3	1225.5	1234.6	1249.9	1274.5	1302.1
10°	1193.3	1194.8	1204.0	1202.5	1204.0	1194.8	1193.3	1190.2	1185.7	1190.2	1207.0
12.5°	1276.0	1289.8	1340.4	1337.3	1340.4	1289.8	1276.0	1214.7	1173.4	1165.8	1168.7
15°	1371.0	1375.6	1386.3	1387.8	1386.3	1375.6	1371.0	1346.5	1222.4	1168.7	1151.9
17.5°	1380.2	1381.7	1389.3	1389.3	1389.3	1381.7	1380.2	1369.4	1328.1	1256.1	1161.1
20°	1372.5	1375.6	1390.9	1393.9	1390.9	1375.6	1372.5	1358.7	1335.7	1309.7	1237.7
22.5°	1369.4	1375.6	1387.8	1386.3	1387.8	1375.6	1369.4	1348.0	1328.1	1309.7	1280.6
25°	1354.1	1354.1	1355.7	1357.2	1355.7	1354.1	1354.1	1337.3	1297.5	1292.8	1276.0
27.5°	1322.0	1325.1	1334.2	1332.7	1334.2	1325.1	1322.0	1315.8	1272.9	1268.3	1256.1
30°	1292.8	1289.8	1282.2	1276.0	1282.2	1289.8	1292.8	1283.7	1240.8	1228.5	1231.6
32.5°	1243.9	1236.2	1228.5	1224.0	1228.5	1236.2	1243.9	1240.8	1208.6	1191.7	1194.8
35°	1185.7	1187.1	1185.7	1181.1	1185.7	1187.1	1185.7	1188.7	1168.7	1153.4	1151.9
37.5°	1144.3	1147.3	1145.8	1139.7	1145.8	1147.3	1144.3	1141.2	1113.6	1109.0	1112.1
40°	1101.4	1102.9	1101.4	1096.8	1101.4	1102.9	1101.4	1095.2	1057.0	1058.5	1069.2
42.5°	1060.0	1058.5	1053.9	1050.8	1053.9	1058.5	1060.0	1050.8	1001.8	997.2	1017.1
45°	1012.5	1014.1	1004.9	1000.3	1004.9	1014.1	1012.5	1006.4	955.9	943.6	957.4
47.5°	965.1	965.1	957.4	952.8	957.4	965.1	965.1	957.4	903.8	891.5	899.2
50°	914.5	912.9	902.3	900.7	902.3	912.9	914.5	909.9	853.2	842.5	842.5
52.5°	856.3	856.3	857.8	860.9	857.8	856.3	856.3	857.8	807.3	796.5	793.5
55°	805.8	807.3	818.0	821.1	818.0	807.3	805.8	805.8	759.8	749.0	743.0
57.5°	753.6	753.6	761.3	761.3	761.3	753.6	753.6	750.6	706.2	697.0	693.9
60°	693.9	697.0	703.1	701.6	703.1	697.0	693.9	690.8	652.5	646.5	635.7
62.5°	631.1	634.2	635.7	632.6	635.7	634.2	631.1	621.9	598.9	594.3	580.6
65°	565.3	568.4	569.8	566.8	569.8	568.4	565.3	560.7	543.8	536.1	523.9
67.5°	497.8	496.3	494.8	500.9	494.8	496.3	497.8	491.7	481.0	474.8	458.0
70°	428.9	428.9	427.4	430.4	427.4	428.9	428.9	424.3	418.2	413.6	398.3
72.5°	355.4	353.8	360.0	355.4	360.0	353.8	355.4	353.8	350.7	346.2	330.8
75°	283.4	286.5	283.4	288.0	283.4	286.5	283.4	284.9	283.4	280.3	269.6
77.5°	216.0	219.0	216.0	216.0	216.0	219.0	216.0	217.5	217.5	217.5	208.4
80°	153.2	151.6	151.6	150.1	151.6	151.6	153.2	153.2	154.7	151.6	148.6
82.5°	98.0	96.5	96.5	99.6	96.5	96.5	98.0	99.6	96.5	96.5	96.5
85°	53.6	55.1	52.0	52.0	52.0	55.1	53.6	50.5	53.6	53.6	52.0
87.5°	19.9	18.4	18.4	18.4	18.4	18.4	19.9	21.5	21.5	21.5	23.0
90°	21.5	21.5	21.5	21.5	21.5	21.5	21.5	28.6	38.1	42.9	36.9
92.5°	107.3	103.0	85.9	68.9	85.9	103.0	107.3	152.1	211.7	241.6	212.1
95°	364.1	351.2	299.5	247.8	299.5	351.2	364.1	478.2	630.3	706.3	596.5
97.5°	840.6	816.0	717.7	619.3	717.7	816.0	840.6	912.7	1008.8	1056.9	873.8
100°	1180.5	1151.2	1034.1	916.8	1034.1	1151.2	1180.5	1175.3	1168.2	1164.7	961.6
102.5°	1470.7	1445.6	1345.3	1244.9	1345.3	1445.6	1470.7	1378.8	1256.4	1195.2	989.2
105°	1809.4	1795.9	1742.0	1688.0	1742.0	1795.9	1809.4	1603.5	1329.0	1191.7	992.2
107.5°	1985.6	1988.8	2001.9	2014.9	2001.9	1988.8	1985.6	1698.4	1315.5	1124.0	948.2
110°	2030.7	2044.8	2101.0	2157.2	2101.0	2044.8	2030.7	1709.7	1281.6	1067.5	909.0



TEST NUMBER: P936159

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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2001.9	2023.5	2109.8	2196.1	2109.8	2023.5	2001.9	1673.4	1235.3	1016.2	874.8
115°	1904.3	1934.2	2053.9	2173.6	2053.9	1934.2	1904.3	1587.7	1165.7	954.7	835.6
117.5°	1769.3	1802.5	1935.2	2067.9	1935.2	1802.5	1769.3	1483.6	1102.8	912.3	811.1
120°	1678.4	1710.7	1839.6	1968.6	1839.6	1710.7	1678.4	1417.4	1069.4	895.4	802.8
122.5°	1587.6	1619.3	1746.6	1873.8	1746.6	1619.3	1587.6	1352.5	1039.1	882.4	798.5
125°	1467.3	1496.6	1613.7	1730.9	1613.7	1496.6	1467.3	1267.6	1001.4	868.3	794.9
127.5°	1370.8	1395.5	1494.3	1593.2	1494.3	1395.5	1370.8	1199.3	970.8	856.5	792.8
130°	1309.8	1332.6	1423.9	1515.2	1423.9	1332.6	1309.8	1157.2	953.7	851.9	794.1
132.5°	1257.8	1278.3	1360.0	1441.8	1360.0	1278.3	1257.8	1121.2	939.0	848.0	794.9
135°	1184.4	1202.1	1272.6	1343.1	1272.6	1202.1	1184.4	1070.0	917.5	841.2	794.1
137.5°	1130.3	1144.7	1202.4	1260.1	1202.4	1144.7	1130.3	1033.5	904.5	840.1	799.1
140°	1086.7	1100.2	1154.2	1208.1	1154.2	1100.2	1086.7	1003.2	891.8	836.1	799.9
142.5°	1056.3	1067.9	1114.3	1160.7	1114.3	1067.9	1056.3	982.9	885.1	836.1	802.7
145°	1010.5	1019.3	1054.5	1089.6	1054.5	1019.3	1010.5	950.5	870.5	830.5	802.8
147.5°	972.1	979.4	1008.5	1037.7	1008.5	979.4	972.1	924.9	862.0	830.5	808.3
150°	950.1	956.0	979.7	1003.2	979.7	956.0	950.1	910.2	857.1	830.5	811.1
152.5°	932.7	937.1	954.9	972.7	954.9	937.1	932.7	898.6	853.2	830.5	813.0
155°	911.8	914.8	926.5	938.3	926.5	914.8	911.8	884.7	848.6	830.5	817.2
157.5°	893.7	895.7	904.0	912.3	904.0	895.7	893.7	872.6	844.5	830.5	821.3
160°	884.6	885.8	890.6	895.4	890.6	885.8	884.6	866.6	842.5	830.5	823.2
162.5°	876.2	877.3	881.8	886.3	881.8	877.3	876.2	861.0	840.6	830.5	825.2
165°	863.2	864.3	869.1	873.9	869.1	864.3	863.2	852.3	837.7	830.5	828.1
167.5°	857.5	858.1	860.1	862.1	860.1	858.1	857.5	850.4	840.9	836.1	834.1
170°	857.5	857.5	857.5	857.5	857.5	857.5	857.5	850.4	840.9	836.1	836.0
172.5°	853.0	852.6	850.9	849.1	850.9	852.6	853.0	847.4	839.9	836.1	836.1
175°	846.9	846.9	846.9	846.9	846.9	846.9	846.9	843.2	838.5	836.1	837.2
177.5°	845.7	845.1	843.2	841.2	843.2	845.1	845.7	842.9	839.2	837.3	838.2
180°	841.2	841.2	841.2	841.2	841.2	841.2	841.2	841.2	841.2	841.2	841.2



TEST NUMBER: P936159

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-4-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1619.2	1619.2	1619.2	1619.2	1619.2
2.5°	1599.2	1606.8	1611.5	1617.6	1632.9
5°	1538.0	1567.0	1576.2	1599.2	1626.8
7.5°	1403.2	1492.0	1516.5	1571.6	1614.5
10°	1272.9	1361.8	1404.7	1534.9	1599.2
12.5°	1207.0	1259.2	1288.2	1470.5	1577.8
15°	1165.8	1202.5	1224.0	1384.8	1553.3
17.5°	1133.5	1159.6	1174.9	1300.5	1519.6
20°	1113.6	1125.9	1139.7	1239.3	1481.3
22.5°	1099.9	1092.2	1102.9	1196.4	1429.2
25°	1090.6	1061.6	1073.8	1162.7	1367.9
27.5°	1098.3	1034.0	1038.6	1132.0	1303.6
30°	1099.9	1000.3	1001.8	1099.9	1231.6
32.5°	1089.1	965.1	966.6	1060.0	1150.4
35°	1063.1	923.7	922.2	1014.1	1040.1
37.5°	1027.8	879.3	879.3	963.5	919.1
40°	985.0	834.8	839.4	897.6	811.8
42.5°	932.9	787.4	793.5	810.3	732.2
45°	876.2	741.4	746.0	684.8	670.9
47.5°	813.4	693.9	695.4	568.4	651.0
50°	738.3	644.9	638.8	487.2	649.5
52.5°	672.4	591.3	572.9	441.2	589.7
55°	608.2	534.6	494.8	406.0	546.9
57.5°	551.4	461.1	422.8	364.6	537.7
60°	499.4	389.0	360.0	320.2	493.2
62.5°	456.5	335.5	329.3	289.5	447.3
65°	410.5	298.7	297.2	263.5	379.9
67.5°	366.1	274.2	272.6	239.0	289.5
70°	318.6	248.2	245.1	212.9	214.4
72.5°	269.6	219.0	216.0	191.4	177.7
75°	220.6	185.4	183.8	167.0	144.0
77.5°	173.1	147.1	150.1	134.8	105.7
80°	124.1	107.3	110.2	96.5	79.7
82.5°	82.7	70.4	73.5	61.3	53.6
85°	46.0	39.8	41.4	32.1	24.5
87.5°	21.5	18.4	18.4	12.2	7.7
90°	24.9	15.8	14.7	10.1	5.6
92.5°	153.2	109.0	99.4	60.9	22.5
95°	376.9	212.3	194.7	124.5	54.2
97.5°	507.7	233.2	217.7	155.7	93.7
100°	555.3	250.6	236.6	180.4	124.2
102.5°	577.2	268.2	255.1	202.7	150.2
105°	593.3	294.2	283.0	238.7	194.2
107.5°	596.4	332.6	322.2	280.8	239.4
110°	591.9	354.0	344.7	307.2	269.8



TEST NUMBER: P936159

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-4-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	592.1	380.0	371.1	335.5	299.8
115°	597.5	418.9	410.7	377.8	345.0
117.5°	608.6	456.7	449.3	419.5	389.6
120°	617.6	478.7	471.7	443.6	415.5
122.5°	630.6	504.7	497.7	469.2	440.9
125°	648.1	538.0	531.6	505.7	479.9
127.5°	665.6	570.2	563.6	537.6	511.5
130°	678.4	591.6	584.6	556.5	528.4
132.5°	688.7	609.2	602.1	574.1	545.9
135°	700.1	629.4	623.0	597.5	571.9
137.5°	717.0	655.4	649.1	623.7	598.4
140°	727.4	673.0	667.2	643.8	620.5
142.5°	736.0	685.9	680.5	659.0	637.4
145°	747.3	705.7	701.0	682.2	663.4
147.5°	763.9	730.6	725.9	707.7	689.3
150°	772.5	743.5	739.3	722.9	706.3
152.5°	778.2	752.0	748.8	736.3	723.8
155°	790.6	770.7	768.3	759.1	749.7
157.5°	803.0	789.2	786.9	778.0	768.9
160°	808.7	797.7	796.0	788.9	781.9
162.5°	814.6	806.8	805.4	800.2	794.9
165°	823.3	819.7	818.5	813.7	809.0
167.5°	830.0	827.0	826.5	824.2	822.0
170°	835.7	835.6	835.0	832.7	830.5
172.5°	836.1	836.1	836.0	835.5	835.0
175°	839.4	841.2	841.2	841.2	841.2
177.5°	839.9	841.2	841.2	841.2	841.2
180°	841.2	841.2	841.2	841.2	841.2



TEST NUMBER: P936159  
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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	13.58	14.38	14.59	15.40	16.77	16.37	17.18	17.39	18.20	19.56
	3H	14.05	14.77	15.07	15.80	17.18	17.71	18.43	18.73	19.46	20.84
	4H	14.24	14.92	15.27	15.96	17.34	18.14	18.83	19.18	19.86	21.25
	6H	14.36	14.99	15.40	16.02	17.42	18.42	19.05	19.46	20.08	21.48
	8H	14.36	14.95	15.40	16.01	17.40	18.48	19.08	19.53	20.14	21.53
	12H	14.32	14.89	15.38	15.94	17.36	18.52	19.09	19.57	20.13	21.55
4H	2H	14.60	15.28	15.64	16.31	17.70	16.78	17.46	17.82	18.50	19.88
	3H	15.62	16.19	16.67	17.25	18.65	18.27	18.84	19.32	19.90	21.30
	4H	15.89	16.41	16.95	17.46	18.89	18.79	19.31	19.84	20.36	21.79
	6H	16.01	16.46	17.08	17.54	18.96	19.14	19.59	20.21	20.67	22.09
	8H	16.02	16.44	17.08	17.50	18.94	19.24	19.66	20.31	20.73	22.16
	12H	15.98	16.36	17.07	17.44	18.88	19.29	19.67	20.38	20.75	22.19
8H	4H	16.34	16.75	17.40	17.82	19.26	18.91	19.33	19.98	20.40	21.83
	6H	16.59	16.94	17.68	18.05	19.48	19.34	19.68	20.42	20.79	22.22
	8H	16.64	16.94	17.73	18.03	19.48	19.48	19.79	20.58	20.88	22.33
	12H	16.62	16.89	17.72	17.97	19.46	19.57	19.84	20.67	20.93	22.42
12H	4H	16.34	16.72	17.42	17.80	19.24	18.87	19.25	19.96	20.33	21.77
	6H	16.65	16.96	17.75	18.05	19.50	19.33	19.64	20.43	20.73	22.18
	8H	16.72	16.98	17.82	18.07	19.56	19.49	19.75	20.59	20.84	22.33