

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: P936157

Luminaire Tested: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-4-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936157
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-4-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

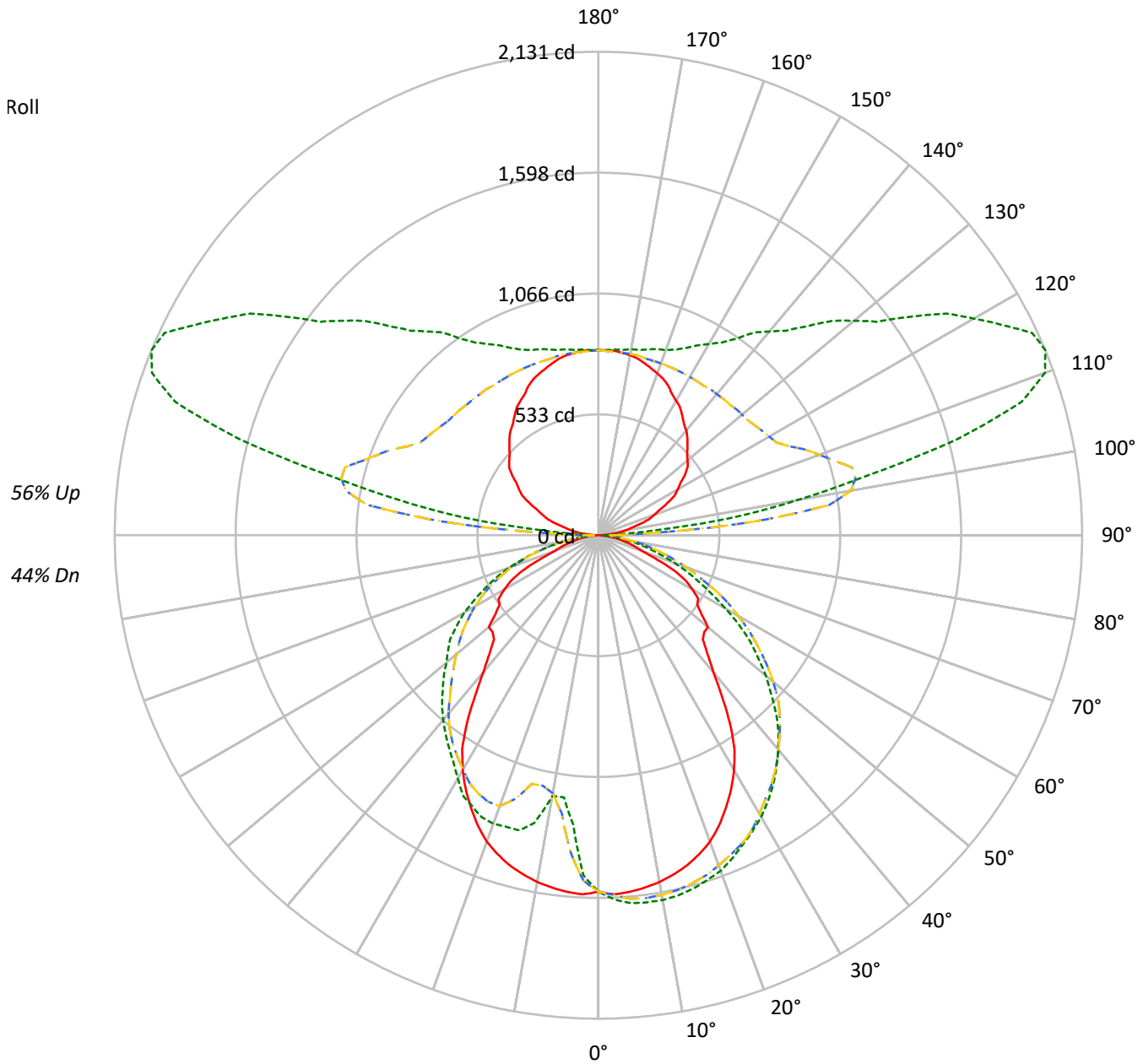
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9368.0 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 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	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°	14579	14579	14579	14579
5°	14671	14717	14671	11572
10°	14557	14497	14557	10364
15°	14383	14182	14383	11842
20°	14065	13811	14065	11867
25°	13433	13267	13433	11615
30°	12622	12817	12622	11063
35°	11237	12247	11237	10457
40°	9346	11576	9346	9998
45°	8335	10791	8335	9471
50°	8834	9854	8834	8942
55°	8290	8845	8290	8636
60°	8513	7513	8513	7910
65°	7681	6210	7681	6942
70°	5283	4950	5283	5818
75°	4581	3659	4581	4382
80°	3618	2419	3618	2632
85°	1971	1282	1971	1088

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 12798 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.8	1.5
10°-20°	402.7	4.3
20°-30°	622.4	6.6
30°-40°	743.1	7.9
40°-50°	747.4	8.0
50°-60°	650.3	6.9
60°-70°	461.1	4.9
70°-80°	244.0	2.6
80°-90°	63.9	0.7
90°-100°	397.9	4.2
100°-110°	1046.0	11.2
110°-120°	1084.6	11.6
120°-130°	870.0	9.3
130°-140°	682.6	7.3
140°-150°	523.9	5.6
150°-160°	377.3	4.0
160°-170°	230.9	2.5
170°-180°	78.0	0.8
0°-30°	1166.9	12.5
0°-40°	1910.0	20.4
0°-60°	3307.7	35.3
0°-90°	4076.7	43.5
90°-120°	2528.5	27.0
90°-150°	4605.1	49.2
90°-180°	5291.0	56.5
0°-180°	9368.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1571	1571	1571	1571	1571	
5°	1578	1628	1578	1280	1578	150
15°	1507	1613	1507	1347	1507	424
25°	1327	1504	1327	1317	1327	609
35°	1009	1342	1009	1146	1009	624
45°	651	1106	651	971	651	521
55°	531	816	531	797	531	488
65°	369	492	369	550	369	352
75°	140	233	140	280	140	147
85°	24	60	24	50	24	32
90°	5	21	5	21	5	6
95°	53	240	53	240	53	58
105°	188	1638	188	1638	188	200
115°	335	2109	335	2109	335	331
125°	466	1680	466	1680	466	413
135°	555	1303	555	1303	555	429
145°	644	1057	644	1057	644	403
155°	728	910	728	910	728	334
165°	785	848	785	848	785	222
175°	816	822	816	822	816	77
180°	816	816	816	816	816	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1
2.5°	1584.5	1584.5	1593.4	1596.4	1596.4	1591.9	1587.4	1591.9	1605.3	1609.8	1608.3
5°	1578.5	1590.4	1606.8	1609.8	1612.7	1611.2	1608.3	1611.2	1626.1	1629.1	1630.6
7.5°	1566.6	1588.9	1609.8	1614.2	1618.6	1614.2	1612.7	1615.7	1630.6	1633.6	1633.6
10°	1551.8	1583.0	1606.8	1609.8	1614.2	1609.8	1609.8	1615.7	1630.6	1633.6	1635.0
12.5°	1531.0	1574.1	1596.4	1599.3	1605.3	1603.8	1602.3	1608.3	1623.1	1626.1	1626.1
15°	1507.2	1557.8	1578.5	1581.5	1591.9	1588.9	1588.9	1594.9	1611.2	1615.7	1614.2
17.5°	1474.5	1536.9	1560.7	1565.1	1572.6	1571.1	1572.6	1578.5	1593.4	1596.4	1597.8
20°	1437.3	1508.7	1536.9	1541.3	1548.8	1548.8	1548.8	1556.3	1571.1	1577.1	1577.1
22.5°	1386.7	1479.0	1508.7	1511.6	1520.5	1520.5	1523.5	1534.0	1547.3	1548.8	1548.8
25°	1327.3	1446.2	1471.5	1480.5	1489.3	1493.8	1498.3	1504.2	1508.7	1507.2	1508.7
27.5°	1264.9	1404.6	1437.3	1443.2	1455.2	1459.6	1465.5	1467.0	1468.5	1473.0	1470.0
30°	1195.0	1346.6	1395.7	1401.7	1421.0	1423.9	1418.0	1421.0	1428.4	1431.4	1434.4
32.5°	1116.2	1260.4	1352.6	1365.9	1383.9	1374.9	1373.4	1377.9	1389.7	1389.7	1392.7
35°	1009.3	1193.5	1312.4	1324.4	1337.7	1327.3	1333.3	1334.8	1342.2	1346.6	1345.2
37.5°	891.8	1135.6	1270.8	1279.8	1290.1	1276.8	1285.7	1290.1	1296.1	1293.1	1293.1
40°	787.7	1044.9	1221.8	1227.8	1236.6	1226.3	1235.2	1238.1	1241.1	1238.1	1236.6
42.5°	710.5	945.3	1169.8	1177.2	1171.2	1178.7	1181.7	1187.6	1183.2	1177.2	1177.2
45°	651.0	918.6	1113.2	1122.2	1113.2	1125.2	1129.7	1129.7	1116.2	1113.2	1111.8
47.5°	631.7	865.0	1056.8	1056.8	1052.4	1067.2	1074.6	1064.2	1050.9	1046.4	1046.4
50°	630.2	805.6	979.5	973.6	994.4	1012.2	1004.8	994.4	984.0	967.6	967.6
52.5°	572.2	732.8	880.0	902.2	935.0	945.3	933.5	923.0	905.2	897.8	891.8
55°	530.7	657.0	789.2	833.9	868.0	881.4	859.2	848.7	822.0	817.5	814.5
57.5°	521.7	547.0	706.1	762.5	804.1	802.7	789.2	769.9	747.6	743.2	741.7
60°	478.6	395.4	616.8	683.8	726.8	722.4	710.5	692.6	671.8	668.8	665.9
62.5°	434.1	286.9	515.7	591.5	652.5	651.0	640.6	613.8	599.0	591.5	585.7
65°	368.6	240.8	367.1	492.0	579.7	582.7	560.4	541.0	524.7	515.7	514.2
67.5°	280.9	196.2	248.2	410.3	509.9	506.9	478.6	469.7	448.9	444.4	435.5
70°	208.1	130.8	172.4	333.0	441.4	434.1	411.7	401.3	382.0	371.6	365.6
72.5°	172.4	105.6	126.3	258.7	371.6	362.7	343.3	331.5	315.1	306.2	300.2
75°	139.7	111.5	96.6	191.7	301.7	295.8	278.0	266.0	252.7	240.8	242.2
77.5°	102.6	104.1	77.3	141.2	239.3	230.4	220.0	205.1	199.2	187.3	187.3
80°	77.3	81.8	58.0	96.6	172.4	172.4	163.5	153.1	142.7	136.8	136.8
82.5°	52.0	52.0	43.1	61.0	117.4	112.9	107.0	104.1	98.1	95.1	95.1
85°	23.8	29.7	26.8	37.2	63.9	66.9	66.9	63.9	62.4	59.5	61.0
87.5°	7.5	13.4	16.3	20.8	32.7	34.2	35.7	35.7	35.7	37.2	37.2
90°	5.4	9.8	14.2	15.4	24.2	35.8	41.6	37.0	27.8	20.8	20.8
92.5°	21.9	59.1	96.4	105.7	148.6	205.8	234.4	205.4	147.6	104.1	100.0
95°	52.6	120.8	188.9	206.0	365.7	578.8	685.3	611.6	464.0	353.3	340.8
97.5°	90.9	151.1	211.2	226.3	492.6	847.9	1025.5	978.9	885.6	815.7	791.8
100°	120.5	175.0	229.6	243.2	538.8	933.0	1130.1	1133.5	1140.4	1145.5	1117.0
102.5°	145.7	196.7	247.5	260.2	560.1	959.8	1159.7	1219.1	1337.9	1427.1	1402.7
105°	188.5	231.6	274.6	285.4	575.7	962.8	1156.4	1289.5	1555.9	1755.7	1742.6
107.5°	232.3	272.4	312.7	322.7	578.7	920.0	1090.7	1276.4	1648.0	1926.6	1929.8
110°	261.8	298.1	334.5	343.5	574.3	882.0	1035.9	1243.6	1658.9	1970.5	1984.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	290.9	325.5	360.1	368.7	574.5	848.9	986.1	1198.6	1623.7	1942.5	1963.4
115°	334.7	366.6	398.5	406.5	579.8	810.8	926.3	1131.1	1540.6	1847.8	1876.8
117.5°	378.0	407.0	436.0	443.2	590.6	787.0	885.2	1070.0	1439.6	1716.8	1749.0
120°	403.1	430.5	457.7	464.5	599.3	779.0	868.8	1037.6	1375.3	1628.6	1659.9
122.5°	427.8	455.3	482.9	489.7	611.9	774.8	856.3	1008.3	1312.4	1540.5	1571.3
125°	465.7	490.7	515.8	522.1	628.9	771.3	842.6	971.7	1230.0	1423.7	1452.2
127.5°	496.3	521.6	546.9	553.2	645.8	769.3	831.0	942.0	1163.7	1330.1	1354.1
130°	512.8	540.0	567.2	574.1	658.3	770.5	826.7	925.4	1122.8	1270.9	1293.0
132.5°	529.7	557.0	584.2	591.1	668.3	771.3	822.8	911.1	1088.0	1220.5	1240.3
135°	554.9	579.8	604.5	610.8	679.3	770.5	816.2	890.2	1038.2	1149.3	1166.4
137.5°	580.6	605.2	629.8	636.0	695.7	775.4	815.2	877.7	1002.8	1096.7	1110.7
140°	602.1	624.7	647.4	653.0	705.8	776.2	811.3	865.3	973.4	1054.5	1067.6
142.5°	618.5	639.4	660.3	665.6	714.1	778.9	811.3	858.8	953.7	1025.0	1036.2
145°	643.7	662.0	680.2	684.7	725.1	779.0	805.8	844.7	922.3	980.5	989.1
147.5°	668.8	686.7	704.4	708.9	741.2	784.3	805.8	836.4	897.4	943.3	950.3
150°	685.3	701.4	717.4	721.4	749.5	787.0	805.8	831.7	883.2	922.0	927.7
152.5°	702.3	714.5	726.6	729.7	755.1	788.9	805.8	827.9	872.0	905.0	909.3
155°	727.5	736.5	745.5	747.8	767.1	792.9	805.8	823.4	858.5	884.7	887.6
157.5°	746.1	754.9	763.6	765.8	779.1	797.0	805.8	819.5	846.7	867.1	869.2
160°	758.7	765.5	772.4	774.0	784.7	798.8	805.8	817.5	840.9	858.4	859.5
162.5°	771.3	776.4	781.5	782.8	790.5	800.7	805.8	815.7	835.4	850.2	851.2
165°	785.0	789.6	794.2	795.4	798.9	803.6	805.8	812.9	827.0	837.5	838.7
167.5°	797.6	799.8	802.0	802.5	805.4	809.4	811.3	815.9	825.2	832.1	832.6
170°	805.8	808.0	810.2	810.8	810.9	811.2	811.3	815.9	825.2	832.1	832.1
172.5°	810.2	810.7	811.2	811.3	811.3	811.3	811.3	815.0	822.3	827.7	827.3
175°	816.2	816.2	816.2	816.2	814.5	812.3	811.3	813.6	818.2	821.7	821.7
177.5°	816.2	816.2	816.2	816.2	815.0	813.3	812.4	814.3	817.9	820.6	820.1
180°	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1
2.5°	1611.2	1606.8	1611.2	1608.3	1609.8	1605.3	1591.9	1587.4	1591.9	1596.4	1596.4
5°	1630.6	1627.6	1630.6	1630.6	1629.1	1626.1	1611.2	1608.3	1611.2	1612.7	1609.8
7.5°	1636.5	1632.1	1636.5	1633.6	1633.6	1630.6	1615.7	1612.7	1614.2	1618.6	1614.2
10°	1636.5	1632.1	1636.5	1635.0	1633.6	1630.6	1615.7	1609.8	1609.8	1614.2	1609.8
12.5°	1629.1	1626.1	1629.1	1626.1	1626.1	1623.1	1608.3	1602.3	1603.8	1605.3	1599.3
15°	1617.1	1612.7	1617.1	1614.2	1615.7	1611.2	1594.9	1588.9	1588.9	1591.9	1581.5
17.5°	1599.3	1593.4	1599.3	1597.8	1596.4	1593.4	1578.5	1572.6	1571.1	1572.6	1565.1
20°	1578.5	1574.1	1578.5	1577.1	1577.1	1571.1	1556.3	1548.8	1548.8	1548.8	1541.3
22.5°	1545.8	1541.3	1545.8	1548.8	1548.8	1547.3	1534.0	1523.5	1520.5	1520.5	1511.6
25°	1508.7	1504.2	1508.7	1508.7	1507.2	1508.7	1504.2	1498.3	1493.8	1489.3	1480.5
27.5°	1473.0	1470.0	1473.0	1470.0	1473.0	1468.5	1467.0	1465.5	1459.6	1455.2	1443.2
30°	1437.3	1434.4	1437.3	1434.4	1431.4	1428.4	1421.0	1418.0	1423.9	1421.0	1401.7
32.5°	1392.7	1389.7	1392.7	1392.7	1389.7	1389.7	1377.9	1373.4	1374.9	1383.9	1365.9
35°	1346.6	1342.2	1346.6	1345.2	1346.6	1342.2	1334.8	1333.3	1327.3	1337.7	1324.4
37.5°	1293.1	1288.6	1293.1	1293.1	1293.1	1296.1	1290.1	1285.7	1276.8	1290.1	1279.8
40°	1238.1	1232.2	1238.1	1236.6	1238.1	1241.1	1238.1	1235.2	1226.3	1236.6	1227.8
42.5°	1175.7	1174.2	1175.7	1177.2	1177.2	1183.2	1187.6	1181.7	1178.7	1171.2	1177.2
45°	1108.9	1105.9	1108.9	1111.8	1113.2	1116.2	1129.7	1129.7	1125.2	1113.2	1122.2
47.5°	1037.4	1030.1	1037.4	1046.4	1046.4	1050.9	1064.2	1074.6	1067.2	1052.4	1056.8
50°	961.7	963.1	961.7	967.6	967.6	984.0	994.4	1004.8	1012.2	994.4	973.6
52.5°	887.3	885.9	887.3	891.8	897.8	905.2	923.0	933.5	945.3	935.0	902.2
55°	813.0	816.0	813.0	814.5	817.5	822.0	848.7	859.2	881.4	868.0	833.9
57.5°	738.7	734.3	738.7	741.7	743.2	747.6	769.9	789.2	802.7	804.1	762.5
60°	652.5	646.6	652.5	665.9	668.8	671.8	692.6	710.5	722.4	726.8	683.8
62.5°	576.7	566.3	576.7	585.7	591.5	599.0	613.8	640.6	651.0	652.5	591.5
65°	496.4	492.0	496.4	514.2	515.7	524.7	541.0	560.4	582.7	579.7	492.0
67.5°	423.6	423.6	423.6	435.5	444.4	448.9	469.7	478.6	506.9	509.9	410.3
70°	356.8	355.3	356.8	365.6	371.6	382.0	401.3	411.7	434.1	441.4	333.0
72.5°	292.8	291.3	292.8	300.2	306.2	315.1	331.5	343.3	362.7	371.6	258.7
75°	236.4	233.4	236.4	242.2	240.8	252.7	266.0	278.0	295.8	301.7	191.7
77.5°	181.4	181.4	181.4	187.3	187.3	199.2	205.1	220.0	230.4	239.3	141.2
80°	135.3	133.8	135.3	136.8	136.8	142.7	153.1	163.5	172.4	172.4	96.6
82.5°	95.1	92.1	95.1	95.1	95.1	98.1	104.1	107.0	112.9	117.4	61.0
85°	59.5	59.5	59.5	61.0	59.5	62.4	63.9	66.9	66.9	63.9	37.2
87.5°	38.6	37.2	38.6	37.2	37.2	35.7	35.7	35.7	34.2	32.7	20.8
90°	20.8	20.8	20.8	20.8	20.8	27.8	37.0	41.6	35.8	24.2	15.4
92.5°	83.4	66.8	83.4	100.0	104.1	147.6	205.4	234.4	205.8	148.6	105.7
95°	290.6	240.5	290.6	340.8	353.3	464.0	611.6	685.3	578.8	365.7	206.0
97.5°	696.4	600.9	696.4	791.8	815.7	885.6	978.9	1025.5	847.9	492.6	226.3
100°	1003.4	889.6	1003.4	1117.0	1145.5	1140.4	1133.5	1130.1	933.0	538.8	243.2
102.5°	1305.3	1207.9	1305.3	1402.7	1427.1	1337.9	1219.1	1159.7	959.8	560.1	260.2
105°	1690.3	1637.9	1690.3	1742.6	1755.7	1555.9	1289.5	1156.4	962.8	575.7	285.4
107.5°	1942.5	1955.1	1942.5	1929.8	1926.6	1648.0	1276.4	1090.7	920.0	578.7	322.7
110°	2038.6	2093.2	2038.6	1984.1	1970.5	1658.9	1243.6	1035.9	882.0	574.3	343.5



TEST NUMBER: P936157

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2047.2	2130.9	2047.2	1963.4	1942.5	1623.7	1198.6	986.1	848.9	574.5	368.7
115°	1993.0	2109.1	1993.0	1876.8	1847.8	1540.6	1131.1	926.3	810.8	579.8	406.5
117.5°	1877.8	2006.6	1877.8	1749.0	1716.8	1439.6	1070.0	885.2	787.0	590.6	443.2
120°	1785.1	1910.2	1785.1	1659.9	1628.6	1375.3	1037.6	868.8	779.0	599.3	464.5
122.5°	1694.8	1818.2	1694.8	1571.3	1540.5	1312.4	1008.3	856.3	774.8	611.9	489.7
125°	1565.8	1679.6	1565.8	1452.2	1423.7	1230.0	971.7	842.6	771.3	628.9	522.1
127.5°	1450.0	1545.9	1450.0	1354.1	1330.1	1163.7	942.0	831.0	769.3	645.8	553.2
130°	1381.7	1470.3	1381.7	1293.0	1270.9	1122.8	925.4	826.7	770.5	658.3	574.1
132.5°	1319.6	1399.0	1319.6	1240.3	1220.5	1088.0	911.1	822.8	771.3	668.3	591.1
135°	1234.8	1303.2	1234.8	1166.4	1149.3	1038.2	890.2	816.2	770.5	679.3	610.8
137.5°	1166.7	1222.7	1166.7	1110.7	1096.7	1002.8	877.7	815.2	775.4	695.7	636.0
140°	1119.9	1172.3	1119.9	1067.6	1054.5	973.4	865.3	811.3	776.2	705.8	653.0
142.5°	1081.3	1126.2	1081.3	1036.2	1025.0	953.7	858.8	811.3	778.9	714.1	665.6
145°	1023.2	1057.3	1023.2	989.1	980.5	922.3	844.7	805.8	779.0	725.1	684.7
147.5°	978.6	1006.9	978.6	950.3	943.3	897.4	836.4	805.8	784.3	741.2	708.9
150°	950.6	973.4	950.6	927.7	922.0	883.2	831.7	805.8	787.0	749.5	721.4
152.5°	926.6	943.8	926.6	909.3	905.0	872.0	827.9	805.8	788.9	755.1	729.7
155°	899.0	910.4	899.0	887.6	884.7	858.5	823.4	805.8	792.9	767.1	747.8
157.5°	877.2	885.2	877.2	869.2	867.1	846.7	819.5	805.8	797.0	779.1	765.8
160°	864.2	868.8	864.2	859.5	858.4	840.9	817.5	805.8	798.8	784.7	774.0
162.5°	855.6	860.0	855.6	851.2	850.2	835.4	815.7	805.8	800.7	790.5	782.8
165°	843.3	848.0	843.3	838.7	837.5	827.0	812.9	805.8	803.6	798.9	795.4
167.5°	834.6	836.5	834.6	832.6	832.1	825.2	815.9	811.3	809.4	805.4	802.5
170°	832.1	832.1	832.1	832.1	832.1	825.2	815.9	811.3	811.2	810.9	810.8
172.5°	825.6	823.9	825.6	827.3	827.7	822.3	815.0	811.3	811.3	811.3	811.3
175°	821.7	821.7	821.7	821.7	821.7	818.2	813.6	811.3	812.3	814.5	816.2
177.5°	818.1	816.2	818.1	820.1	820.6	817.9	814.3	812.4	813.3	815.0	816.2
180°	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2



TEST NUMBER: P936157

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1
2.5°	1593.4	1584.5	1584.5	1569.6	1563.6	1559.2	1551.8	1529.5	1523.5	1517.6	1526.5
5°	1606.8	1590.4	1578.5	1551.8	1529.5	1520.5	1492.3	1438.8	1403.2	1376.4	1361.5
7.5°	1609.8	1588.9	1566.6	1525.0	1471.5	1447.7	1361.5	1263.4	1236.6	1212.8	1198.0
10°	1606.8	1583.0	1551.8	1489.3	1363.0	1321.4	1235.2	1171.2	1154.9	1150.5	1154.9
12.5°	1596.4	1574.1	1531.0	1426.9	1250.0	1221.8	1171.2	1134.1	1131.2	1138.5	1178.7
15°	1578.5	1557.8	1507.2	1343.7	1187.6	1166.8	1131.2	1117.7	1134.1	1186.1	1306.6
17.5°	1560.7	1536.9	1474.5	1261.9	1140.0	1125.2	1099.9	1126.7	1218.8	1288.6	1328.8
20°	1536.9	1508.7	1437.3	1202.5	1105.9	1092.5	1080.6	1201.0	1270.8	1296.1	1318.4
22.5°	1508.7	1479.0	1386.7	1160.9	1070.2	1059.8	1067.2	1242.6	1270.8	1288.6	1308.0
25°	1471.5	1446.2	1327.3	1128.2	1041.9	1030.1	1058.3	1238.1	1254.5	1259.0	1297.6
27.5°	1437.3	1404.6	1264.9	1098.4	1007.8	1003.3	1065.7	1218.8	1230.7	1235.2	1276.8
30°	1395.7	1346.6	1195.0	1067.2	972.1	970.6	1067.2	1195.0	1192.0	1204.0	1245.6
32.5°	1352.6	1260.4	1116.2	1028.6	937.9	936.4	1056.8	1159.4	1156.4	1172.7	1204.0
35°	1312.4	1193.5	1009.3	984.0	894.8	896.3	1031.6	1117.7	1119.2	1134.1	1153.4
37.5°	1270.8	1135.6	891.8	935.0	853.2	853.2	997.3	1079.1	1076.1	1080.6	1107.4
40°	1221.8	1044.9	787.7	871.0	814.5	810.1	955.8	1037.4	1027.1	1025.6	1062.7
42.5°	1169.8	945.3	710.5	786.3	769.9	764.0	905.2	986.9	967.6	972.1	1019.6
45°	1113.2	918.6	651.0	664.4	723.9	719.4	850.2	929.0	915.6	927.5	976.6
47.5°	1056.8	865.0	631.7	551.5	674.8	673.3	789.2	872.5	865.0	877.0	929.0
50°	979.5	805.6	630.2	472.7	619.8	625.8	716.4	817.5	817.5	827.9	882.9
52.5°	880.0	732.8	572.2	428.1	555.9	573.7	652.5	769.9	772.9	783.4	832.4
55°	789.2	657.0	530.7	393.9	480.1	518.7	590.1	720.9	726.8	737.2	781.9
57.5°	706.1	547.0	521.7	353.8	410.3	447.4	535.1	673.3	676.3	685.3	728.3
60°	616.8	395.4	478.6	310.7	349.3	377.5	484.6	616.8	627.3	633.2	670.3
62.5°	515.7	286.9	434.1	280.9	319.5	325.5	442.9	563.3	576.7	581.2	603.5
65°	367.1	240.8	368.6	255.7	288.3	289.8	398.3	508.4	520.2	527.7	544.0
67.5°	248.2	196.2	280.9	231.9	264.5	266.0	355.3	444.4	460.8	466.7	477.1
70°	172.4	130.8	208.1	206.6	237.8	240.8	309.2	386.5	401.3	405.8	411.7
72.5°	126.3	105.6	172.4	185.8	209.6	212.5	261.6	321.0	336.0	340.3	343.3
75°	96.6	111.5	139.7	162.0	178.4	179.9	214.0	261.6	272.0	275.0	276.5
77.5°	77.3	104.1	102.6	130.8	145.6	142.7	167.9	202.2	211.1	211.1	211.1
80°	58.0	81.8	77.3	93.6	107.0	104.1	120.4	144.2	147.1	150.1	148.6
82.5°	43.1	52.0	52.0	59.5	71.3	68.3	80.3	93.6	93.6	93.6	96.6
85°	26.8	29.7	23.8	31.2	40.1	38.6	44.6	50.5	52.0	52.0	49.0
87.5°	16.3	13.4	7.5	11.9	17.8	17.8	20.8	22.3	20.8	20.8	20.8
90°	14.2	9.8	5.4	9.8	14.2	15.4	24.2	35.8	41.6	37.0	27.8
92.5°	96.4	59.1	21.9	59.1	96.4	105.7	148.6	205.8	234.4	205.4	147.6
95°	188.9	120.8	52.6	120.8	188.9	206.0	365.7	578.8	685.3	611.6	464.0
97.5°	211.2	151.1	90.9	151.1	211.2	226.3	492.6	847.9	1025.5	978.9	885.6
100°	229.6	175.0	120.5	175.0	229.6	243.2	538.8	933.0	1130.1	1133.5	1140.4
102.5°	247.5	196.7	145.7	196.7	247.5	260.2	560.1	959.8	1159.7	1219.1	1337.9
105°	274.6	231.6	188.5	231.6	274.6	285.4	575.7	962.8	1156.4	1289.5	1555.9
107.5°	312.7	272.4	232.3	272.4	312.7	322.7	578.7	920.0	1090.7	1276.4	1648.0
110°	334.5	298.1	261.8	298.1	334.5	343.5	574.3	882.0	1035.9	1243.6	1658.9



TEST NUMBER: P936157

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	360.1	325.5	290.9	325.5	360.1	368.7	574.5	848.9	986.1	1198.6	1623.7
115°	398.5	366.6	334.7	366.6	398.5	406.5	579.8	810.8	926.3	1131.1	1540.6
117.5°	436.0	407.0	378.0	407.0	436.0	443.2	590.6	787.0	885.2	1070.0	1439.6
120°	457.7	430.5	403.1	430.5	457.7	464.5	599.3	779.0	868.8	1037.6	1375.3
122.5°	482.9	455.3	427.8	455.3	482.9	489.7	611.9	774.8	856.3	1008.3	1312.4
125°	515.8	490.7	465.7	490.7	515.8	522.1	628.9	771.3	842.6	971.7	1230.0
127.5°	546.9	521.6	496.3	521.6	546.9	553.2	645.8	769.3	831.0	942.0	1163.7
130°	567.2	540.0	512.8	540.0	567.2	574.1	658.3	770.5	826.7	925.4	1122.8
132.5°	584.2	557.0	529.7	557.0	584.2	591.1	668.3	771.3	822.8	911.1	1088.0
135°	604.5	579.8	554.9	579.8	604.5	610.8	679.3	770.5	816.2	890.2	1038.2
137.5°	629.8	605.2	580.6	605.2	629.8	636.0	695.7	775.4	815.2	877.7	1002.8
140°	647.4	624.7	602.1	624.7	647.4	653.0	705.8	776.2	811.3	865.3	973.4
142.5°	660.3	639.4	618.5	639.4	660.3	665.6	714.1	778.9	811.3	858.8	953.7
145°	680.2	662.0	643.7	662.0	680.2	684.7	725.1	779.0	805.8	844.7	922.3
147.5°	704.4	686.7	668.8	686.7	704.4	708.9	741.2	784.3	805.8	836.4	897.4
150°	717.4	701.4	685.3	701.4	717.4	721.4	749.5	787.0	805.8	831.7	883.2
152.5°	726.6	714.5	702.3	714.5	726.6	729.7	755.1	788.9	805.8	827.9	872.0
155°	745.5	736.5	727.5	736.5	745.5	747.8	767.1	792.9	805.8	823.4	858.5
157.5°	763.6	754.9	746.1	754.9	763.6	765.8	779.1	797.0	805.8	819.5	846.7
160°	772.4	765.5	758.7	765.5	772.4	774.0	784.7	798.8	805.8	817.5	840.9
162.5°	781.5	776.4	771.3	776.4	781.5	782.8	790.5	800.7	805.8	815.7	835.4
165°	794.2	789.6	785.0	789.6	794.2	795.4	798.9	803.6	805.8	812.9	827.0
167.5°	802.0	799.8	797.6	799.8	802.0	802.5	805.4	809.4	811.3	815.9	825.2
170°	810.2	808.0	805.8	808.0	810.2	810.8	810.9	811.2	811.3	815.9	825.2
172.5°	811.2	810.7	810.2	810.7	811.2	811.3	811.3	811.3	811.3	815.0	822.3
175°	816.2	816.2	816.2	816.2	816.2	816.2	814.5	812.3	811.3	813.6	818.2
177.5°	816.2	816.2	816.2	816.2	816.2	816.2	815.0	813.3	812.4	814.3	817.9
180°	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2



TEST NUMBER: P936157

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1
2.5°	1516.1	1511.6	1517.6	1501.2	1517.6	1511.6	1516.1	1526.5	1517.6	1523.5	1529.5
5°	1330.3	1322.9	1299.1	1279.8	1299.1	1322.9	1330.3	1361.5	1376.4	1403.2	1438.8
7.5°	1189.1	1183.2	1177.2	1165.3	1177.2	1183.2	1189.1	1198.0	1212.8	1236.6	1263.4
10°	1157.9	1159.4	1168.3	1166.8	1168.3	1159.4	1157.9	1154.9	1150.5	1154.9	1171.2
12.5°	1238.1	1251.5	1300.6	1297.6	1300.6	1251.5	1238.1	1178.7	1138.5	1131.2	1134.1
15°	1330.3	1334.8	1345.2	1346.6	1345.2	1334.8	1330.3	1306.6	1186.1	1134.1	1117.7
17.5°	1339.2	1340.7	1348.1	1348.1	1348.1	1340.7	1339.2	1328.8	1288.6	1218.8	1126.7
20°	1331.8	1334.8	1349.6	1352.6	1349.6	1334.8	1331.8	1318.4	1296.1	1270.8	1201.0
22.5°	1328.8	1334.8	1346.6	1345.2	1346.6	1334.8	1328.8	1308.0	1288.6	1270.8	1242.6
25°	1313.9	1313.9	1315.4	1316.9	1315.4	1313.9	1313.9	1297.6	1259.0	1254.5	1238.1
27.5°	1282.8	1285.7	1294.6	1293.1	1294.6	1285.7	1282.8	1276.8	1235.2	1230.7	1218.8
30°	1254.5	1251.5	1244.1	1238.1	1244.1	1251.5	1254.5	1245.6	1204.0	1192.0	1195.0
32.5°	1207.0	1199.5	1192.0	1187.6	1192.0	1199.5	1207.0	1204.0	1172.7	1156.4	1159.4
35°	1150.5	1151.9	1150.5	1146.0	1150.5	1151.9	1150.5	1153.4	1134.1	1119.2	1117.7
37.5°	1110.3	1113.2	1111.8	1105.9	1111.8	1113.2	1110.3	1107.4	1080.6	1076.1	1079.1
40°	1068.7	1070.2	1068.7	1064.2	1068.7	1070.2	1068.7	1062.7	1025.6	1027.1	1037.4
42.5°	1028.6	1027.1	1022.6	1019.6	1022.6	1027.1	1028.6	1019.6	972.1	967.6	986.9
45°	982.5	984.0	975.1	970.6	975.1	984.0	982.5	976.6	927.5	915.6	929.0
47.5°	936.4	936.4	929.0	924.5	929.0	936.4	936.4	929.0	877.0	865.0	872.5
50°	887.3	885.9	875.5	874.0	875.5	885.9	887.3	882.9	827.9	817.5	817.5
52.5°	830.9	830.9	832.4	835.4	832.4	830.9	830.9	832.4	783.4	772.9	769.9
55°	781.9	783.4	793.7	796.7	793.7	783.4	781.9	781.9	737.2	726.8	720.9
57.5°	731.3	731.3	738.7	738.7	738.7	731.3	731.3	728.3	685.3	676.3	673.3
60°	673.3	676.3	682.3	680.8	682.3	676.3	673.3	670.3	633.2	627.3	616.8
62.5°	612.4	615.3	616.8	613.8	616.8	615.3	612.4	603.5	581.2	576.7	563.3
65°	548.5	551.5	552.9	550.0	552.9	551.5	548.5	544.0	527.7	520.2	508.4
67.5°	483.1	481.6	480.1	486.1	480.1	481.6	483.1	477.1	466.7	460.8	444.4
70°	416.1	416.1	414.7	417.6	414.7	416.1	416.1	411.7	405.8	401.3	386.5
72.5°	344.8	343.3	349.3	344.8	349.3	343.3	344.8	343.3	340.3	336.0	321.0
75°	275.0	278.0	275.0	279.5	275.0	278.0	275.0	276.5	275.0	272.0	261.6
77.5°	209.6	212.5	209.6	209.6	209.6	212.5	209.6	211.1	211.1	211.1	202.2
80°	148.6	147.1	147.1	145.6	147.1	147.1	148.6	148.6	150.1	147.1	144.2
82.5°	95.1	93.6	93.6	96.6	93.6	93.6	95.1	96.6	93.6	93.6	93.6
85°	52.0	53.5	50.5	50.5	50.5	53.5	52.0	49.0	52.0	52.0	50.5
87.5°	19.3	17.8	17.8	17.8	17.8	17.8	19.3	20.8	20.8	20.8	22.3
90°	20.8	20.8	20.8	20.8	20.8	20.8	20.8	27.8	37.0	41.6	35.8
92.5°	104.1	100.0	83.4	66.8	83.4	100.0	104.1	147.6	205.4	234.4	205.8
95°	353.3	340.8	290.6	240.5	290.6	340.8	353.3	464.0	611.6	685.3	578.8
97.5°	815.7	791.8	696.4	600.9	696.4	791.8	815.7	885.6	978.9	1025.5	847.9
100°	1145.5	1117.0	1003.4	889.6	1003.4	1117.0	1145.5	1140.4	1133.5	1130.1	933.0
102.5°	1427.1	1402.7	1305.3	1207.9	1305.3	1402.7	1427.1	1337.9	1219.1	1159.7	959.8
105°	1755.7	1742.6	1690.3	1637.9	1690.3	1742.6	1755.7	1555.9	1289.5	1156.4	962.8
107.5°	1926.6	1929.8	1942.5	1955.1	1942.5	1929.8	1926.6	1648.0	1276.4	1090.7	920.0
110°	1970.5	1984.1	2038.6	2093.2	2038.6	1984.1	1970.5	1658.9	1243.6	1035.9	882.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1942.5	1963.4	2047.2	2130.9	2047.2	1963.4	1942.5	1623.7	1198.6	986.1	848.9
115°	1847.8	1876.8	1993.0	2109.1	1993.0	1876.8	1847.8	1540.6	1131.1	926.3	810.8
117.5°	1716.8	1749.0	1877.8	2006.6	1877.8	1749.0	1716.8	1439.6	1070.0	885.2	787.0
120°	1628.6	1659.9	1785.1	1910.2	1785.1	1659.9	1628.6	1375.3	1037.6	868.8	779.0
122.5°	1540.5	1571.3	1694.8	1818.2	1694.8	1571.3	1540.5	1312.4	1008.3	856.3	774.8
125°	1423.7	1452.2	1565.8	1679.6	1565.8	1452.2	1423.7	1230.0	971.7	842.6	771.3
127.5°	1330.1	1354.1	1450.0	1545.9	1450.0	1354.1	1330.1	1163.7	942.0	831.0	769.3
130°	1270.9	1293.0	1381.7	1470.3	1381.7	1293.0	1270.9	1122.8	925.4	826.7	770.5
132.5°	1220.5	1240.3	1319.6	1399.0	1319.6	1240.3	1220.5	1088.0	911.1	822.8	771.3
135°	1149.3	1166.4	1234.8	1303.2	1234.8	1166.4	1149.3	1038.2	890.2	816.2	770.5
137.5°	1096.7	1110.7	1166.7	1222.7	1166.7	1110.7	1096.7	1002.8	877.7	815.2	775.4
140°	1054.5	1067.6	1119.9	1172.3	1119.9	1067.6	1054.5	973.4	865.3	811.3	776.2
142.5°	1025.0	1036.2	1081.3	1126.2	1081.3	1036.2	1025.0	953.7	858.8	811.3	778.9
145°	980.5	989.1	1023.2	1057.3	1023.2	989.1	980.5	922.3	844.7	805.8	779.0
147.5°	943.3	950.3	978.6	1006.9	978.6	950.3	943.3	897.4	836.4	805.8	784.3
150°	922.0	927.7	950.6	973.4	950.6	927.7	922.0	883.2	831.7	805.8	787.0
152.5°	905.0	909.3	926.6	943.8	926.6	909.3	905.0	872.0	827.9	805.8	788.9
155°	884.7	887.6	899.0	910.4	899.0	887.6	884.7	858.5	823.4	805.8	792.9
157.5°	867.1	869.2	877.2	885.2	877.2	869.2	867.1	846.7	819.5	805.8	797.0
160°	858.4	859.5	864.2	868.8	864.2	859.5	858.4	840.9	817.5	805.8	798.8
162.5°	850.2	851.2	855.6	860.0	855.6	851.2	850.2	835.4	815.7	805.8	800.7
165°	837.5	838.7	843.3	848.0	843.3	838.7	837.5	827.0	812.9	805.8	803.6
167.5°	832.1	832.6	834.6	836.5	834.6	832.6	832.1	825.2	815.9	811.3	809.4
170°	832.1	832.1	832.1	832.1	832.1	832.1	832.1	825.2	815.9	811.3	811.2
172.5°	827.7	827.3	825.6	823.9	825.6	827.3	827.7	822.3	815.0	811.3	811.3
175°	821.7	821.7	821.7	821.7	821.7	821.7	821.7	818.2	813.6	811.3	812.3
177.5°	820.6	820.1	818.1	816.2	818.1	820.1	820.6	817.9	814.3	812.4	813.3
180°	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2	816.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1571.1	1571.1	1571.1	1571.1	1571.1
2.5°	1551.8	1559.2	1563.6	1569.6	1584.5
5°	1492.3	1520.5	1529.5	1551.8	1578.5
7.5°	1361.5	1447.7	1471.5	1525.0	1566.6
10°	1235.2	1321.4	1363.0	1489.3	1551.8
12.5°	1171.2	1221.8	1250.0	1426.9	1531.0
15°	1131.2	1166.8	1187.6	1343.7	1507.2
17.5°	1099.9	1125.2	1140.0	1261.9	1474.5
20°	1080.6	1092.5	1105.9	1202.5	1437.3
22.5°	1067.2	1059.8	1070.2	1160.9	1386.7
25°	1058.3	1030.1	1041.9	1128.2	1327.3
27.5°	1065.7	1003.3	1007.8	1098.4	1264.9
30°	1067.2	970.6	972.1	1067.2	1195.0
32.5°	1056.8	936.4	937.9	1028.6	1116.2
35°	1031.6	896.3	894.8	984.0	1009.3
37.5°	997.3	853.2	853.2	935.0	891.8
40°	955.8	810.1	814.5	871.0	787.7
42.5°	905.2	764.0	769.9	786.3	710.5
45°	850.2	719.4	723.9	664.4	651.0
47.5°	789.2	673.3	674.8	551.5	631.7
50°	716.4	625.8	619.8	472.7	630.2
52.5°	652.5	573.7	555.9	428.1	572.2
55°	590.1	518.7	480.1	393.9	530.7
57.5°	535.1	447.4	410.3	353.8	521.7
60°	484.6	377.5	349.3	310.7	478.6
62.5°	442.9	325.5	319.5	280.9	434.1
65°	398.3	289.8	288.3	255.7	368.6
67.5°	355.3	266.0	264.5	231.9	280.9
70°	309.2	240.8	237.8	206.6	208.1
72.5°	261.6	212.5	209.6	185.8	172.4
75°	214.0	179.9	178.4	162.0	139.7
77.5°	167.9	142.7	145.6	130.8	102.6
80°	120.4	104.1	107.0	93.6	77.3
82.5°	80.3	68.3	71.3	59.5	52.0
85°	44.6	38.6	40.1	31.2	23.8
87.5°	20.8	17.8	17.8	11.9	7.5
90°	24.2	15.4	14.2	9.8	5.4
92.5°	148.6	105.7	96.4	59.1	21.9
95°	365.7	206.0	188.9	120.8	52.6
97.5°	492.6	226.3	211.2	151.1	90.9
100°	538.8	243.2	229.6	175.0	120.5
102.5°	560.1	260.2	247.5	196.7	145.7
105°	575.7	285.4	274.6	231.6	188.5
107.5°	578.7	322.7	312.7	272.4	232.3
110°	574.3	343.5	334.5	298.1	261.8



TEST NUMBER: P936157

CATALOG NUMBER: SQ4-FA-150U-125D-93050-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	574.5	368.7	360.1	325.5	290.9
115°	579.8	406.5	398.5	366.6	334.7
117.5°	590.6	443.2	436.0	407.0	378.0
120°	599.3	464.5	457.7	430.5	403.1
122.5°	611.9	489.7	482.9	455.3	427.8
125°	628.9	522.1	515.8	490.7	465.7
127.5°	645.8	553.2	546.9	521.6	496.3
130°	658.3	574.1	567.2	540.0	512.8
132.5°	668.3	591.1	584.2	557.0	529.7
135°	679.3	610.8	604.5	579.8	554.9
137.5°	695.7	636.0	629.8	605.2	580.6
140°	705.8	653.0	647.4	624.7	602.1
142.5°	714.1	665.6	660.3	639.4	618.5
145°	725.1	684.7	680.2	662.0	643.7
147.5°	741.2	708.9	704.4	686.7	668.8
150°	749.5	721.4	717.4	701.4	685.3
152.5°	755.1	729.7	726.6	714.5	702.3
155°	767.1	747.8	745.5	736.5	727.5
157.5°	779.1	765.8	763.6	754.9	746.1
160°	784.7	774.0	772.4	765.5	758.7
162.5°	790.5	782.8	781.5	776.4	771.3
165°	798.9	795.4	794.2	789.6	785.0
167.5°	805.4	802.5	802.0	799.8	797.6
170°	810.9	810.8	810.2	808.0	805.8
172.5°	811.3	811.3	811.2	810.7	810.2
175°	814.5	816.2	816.2	816.2	816.2
177.5°	815.0	816.2	816.2	816.2	816.2
180°	816.2	816.2	816.2	816.2	816.2



TEST NUMBER: P936157
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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	13.47	14.28	14.48	15.30	16.66	16.27	17.08	17.28	18.10	19.46
	3H	13.95	14.67	14.97	15.70	17.08	17.60	18.32	18.62	19.35	20.73
	4H	14.13	14.82	15.17	15.85	17.24	18.04	18.72	19.07	19.75	21.14
	6H	14.25	14.88	15.30	15.92	17.32	18.31	18.94	19.36	19.98	21.38
	8H	14.25	14.85	15.30	15.90	17.30	18.38	18.98	19.43	20.03	21.43
	12H	14.22	14.79	15.27	15.84	17.26	18.41	18.98	19.47	20.03	21.45
4H	2H	14.49	15.18	15.53	16.21	17.60	16.67	17.36	17.71	18.39	19.78
	3H	15.51	16.08	16.56	17.14	18.54	18.17	18.74	19.21	19.80	21.20
	4H	15.79	16.31	16.84	17.36	18.78	18.68	19.21	19.74	20.26	21.68
	6H	15.91	16.36	16.97	17.43	18.85	19.04	19.49	20.10	20.56	21.98
	8H	15.91	16.33	16.98	17.40	18.83	19.14	19.56	20.20	20.63	22.06
	12H	15.88	16.26	16.96	17.34	18.78	19.19	19.57	20.27	20.65	22.09
8H	4H	16.23	16.65	17.30	17.72	19.15	18.81	19.22	19.87	20.29	21.73
	6H	16.49	16.84	17.58	17.95	19.38	19.23	19.58	20.32	20.69	22.12
	8H	16.53	16.84	17.63	17.93	19.38	19.38	19.68	20.47	20.77	22.23
	12H	16.51	16.78	17.61	17.87	19.36	19.47	19.74	20.57	20.82	22.31
12H	4H	16.23	16.61	17.32	17.69	19.13	18.77	19.15	19.85	20.23	21.67
	6H	16.55	16.85	17.64	17.94	19.40	19.23	19.53	20.32	20.62	22.08
	8H	16.61	16.88	17.71	17.97	19.46	19.38	19.65	20.48	20.74	22.23